



# **Air Quality Technical Report**

**September 2008**



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# **1. Introduction to Purple Line**

The Maryland Transit Administration is preparing an Alternatives Analysis and Draft Environmental Impact Statement (AA/Draft EIS) to study a range of alternatives for addressing mobility and accessibility issues in the corridor between Bethesda and New Carrollton, Maryland. The corridor is located in Montgomery and Prince George's Counties, just north of the Washington, D.C. boundary. The Purple Line would provide a rapid transit connection along the 16-mile corridor that lies between the Metrorail Red Line (Bethesda and Silver Spring Stations), Green Line (College Park Station), and Orange Line (New Carrollton Station). This *Air Quality Technical Report* presents the analysis of potential air quality effects that were summarized in the AA/DEIS. It describes the methodology used for the analysis and the results of that analysis.

## **1.1. Background and Project Location**

Changing land uses in the Washington, D.C. area have resulted in more suburb-to-suburb travel, while the existing transit system is oriented toward radial travel in and out of downtown Washington, D.C. The only transit service available for east-west travel is bus service, which is slow and unreliable. A need exists for efficient, rapid, and high capacity transit for east-west travel. The Purple Line would serve transit patrons whose journey is solely east-west in the corridor, as well as those who want to access the existing north-south rapid transit services, particularly Metrorail and MARC commuter rail service.

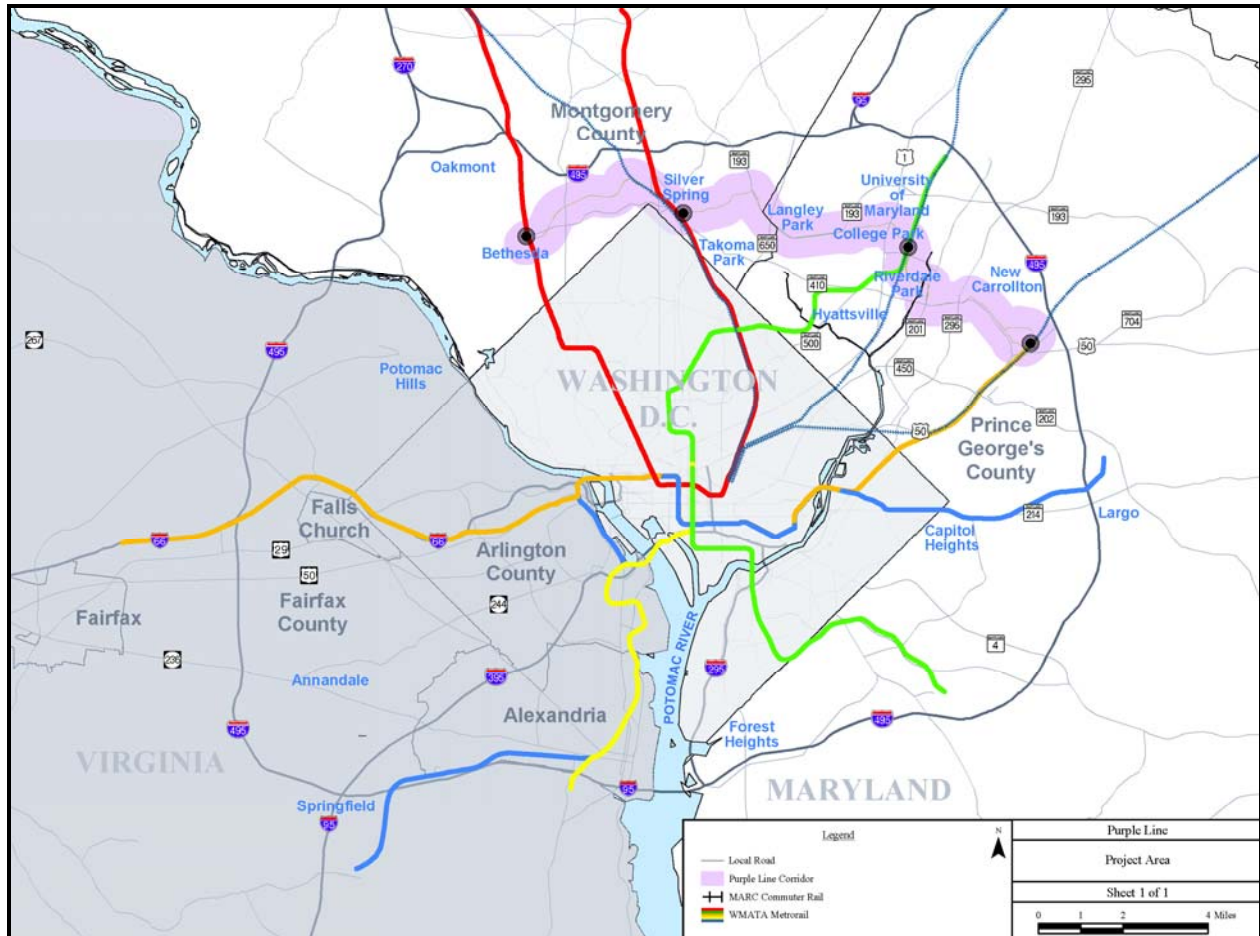
The corridor has a sizeable population that already uses transit and contains some of the busiest transit routes and transfer areas in the Washington, D.C. metropolitan area. Many communities in the corridor have a high percentage of households without a vehicle, and most transit in these communities is bus service. Projections of substantial growth in population and employment in the corridor indicate a growing need for transit improvements. The increasingly congested roadway system does not have adequate capacity to accommodate the existing average daily travel demand, and congestion on these roadways is projected to worsen as traffic continues to grow through 2030.

A need exists for high quality transit service to key activity centers and to improve transit travel time in the corridor. Although north-south rapid transit serves parts of the corridor, transit users who are not within walking distance of these services must drive or use slow and unreliable buses to access them. Faster and more reliable connections along the east-west Purple Line Corridor to the existing radial rail lines (Metrorail and MARC trains) would improve mobility and accessibility. This enhanced system connectivity would also help to improve transit efficiencies. In addition, poor air quality in the region needs to be addressed, and changes to the existing transportation infrastructure would help in attaining federal air quality standards.



### 1.1.1. Corridor Setting

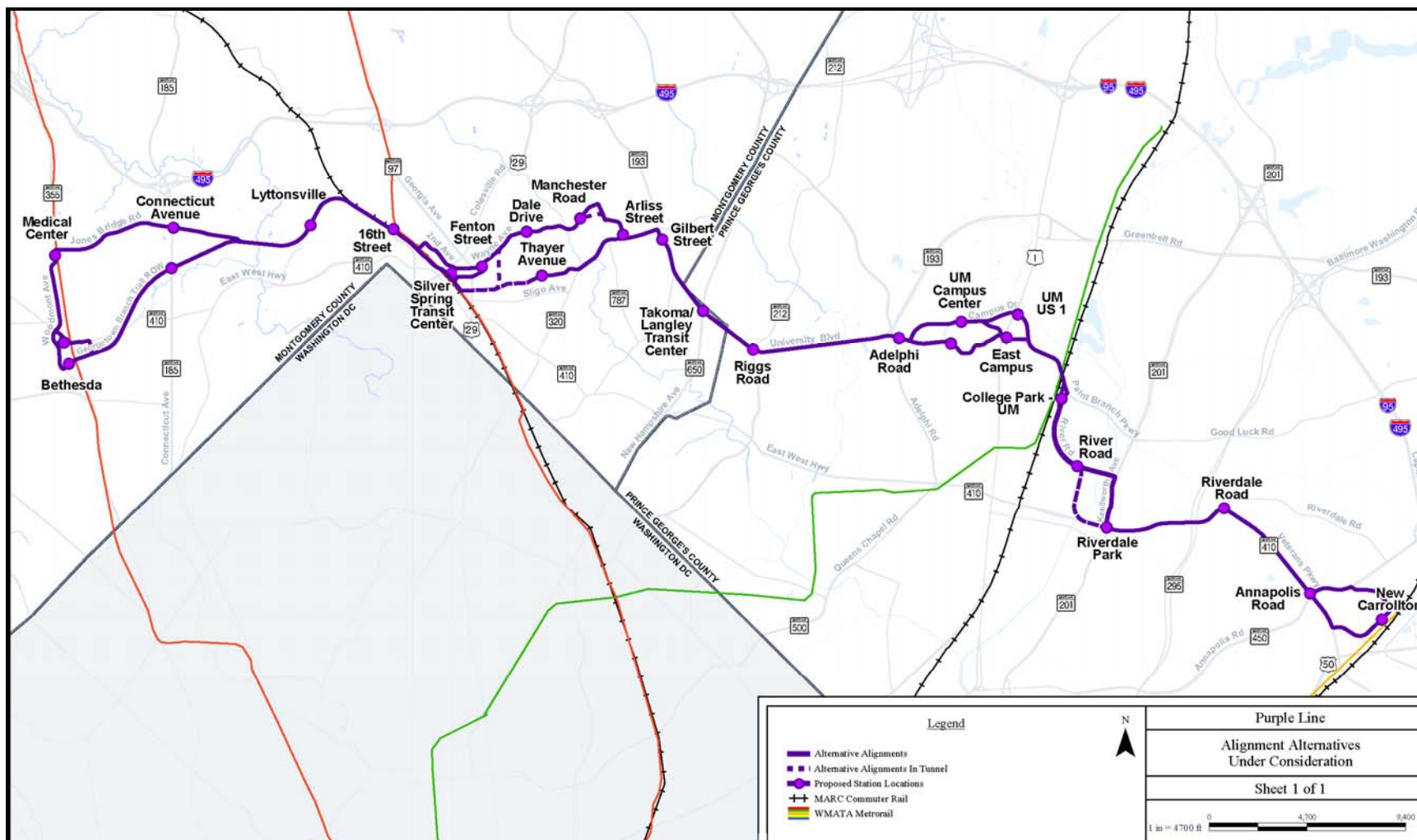
The Purple Line Corridor, as shown in Figure 1-1, is north and northeast of Washington, D.C., with a majority of the alignment within one to three miles of the circumferential I-95/I-495 Capital Beltway.



**Figure 1-1: Project Location**

## 1.2. Alternatives Retained for Detailed Study

The Purple Line study has identified eight alternatives for detailed study, shown on Figure 1-2. The alternatives include the No Build Alternative, the Transportation System Management (TSM) Alternative, and six Build Alternatives. The Build Alternatives include three using bus rapid transit (BRT) technology and three using light rail transit (LRT) technology.



**Figure 1-2: Alternative Alignments**





All alternatives extend the full length of the Purple Line Corridor between the Bethesda Metro Station in the west and the New Carrollton Metro Station in the east, with variations in alignment, type of running way (shared, dedicated, or exclusive), and amount of grade-separation options (e.g., tunnel segments or aerial). For purposes of evaluation, complete alignments need to be considered. These alternatives were used to examine the general benefits, costs, and impacts for serving major market areas within the corridor.

#### ***1.2.1. Alternative 1: No Build Alternative***

The No Build Alternative is used as the baseline against which the other alternatives are compared for purposes of environmental and community impacts. The No Build Alternative consists of the transit service levels, highway networks, traffic volumes, and forecasted demographics for horizon year 2030 that are assumed in the local Constrained Long Range Plan of the local metropolitan planning organization (in this case, the Metropolitan Washington Council of Governments).

#### ***1.2.2. Alternative 2: TSM Alternative***

The TSM Alternative provides an appropriate baseline against which all major investment alternatives are evaluated for the Federal Transit Administration's New Starts funding program. The New Starts rating and evaluation process begins when the project applies to enter preliminary engineering and continues through final design.

The TSM Alternative represents the best that can be done for mobility in the corridor without constructing a new transitway. Generally, the TSM Alternative emphasizes upgrades in transit service through operational and minor physical improvements, plus selected highway upgrades through intersection improvements, minor widening, and other focused traffic engineering actions. A TSM Alternative normally includes such features as bus route restructuring, shortened bus headways, expanded use of articulated buses, reserved bus lanes, express and limited-stop service, signalization improvements, and timed-transfer operations.

#### ***1.2.3. Build Alternatives***

The six Build Alternatives generally use the same alignments; only a few segments have locations where different roadways would be used. The differences between the alternatives are more often the incorporation of design features, such as grade separation to avoid congested roadways or intersections.

#### **Alternative 3: Low Investment BRT**

The Low Investment BRT Alternative would primarily use existing streets to avoid the cost of grade separation and extensive reconstruction of existing streets. It would incorporate signal, signage, and lane improvements in certain places. This alternative would operate mostly in mixed lanes with at-grade crossings of all intersections and queue jump lanes at some intersections. Southbound along Kenilworth Avenue and westbound along Annapolis Road, Low Investment BRT would operate in dedicated lanes. This is the only alternative that would operate on Jones Bridge Road, directly serving the National Institutes of Health and the National





Naval Medical Center near Wisconsin Avenue and Jones Bridge Road. It is also the only alternative that would use the bus portion of the new Silver Spring Transit Center. A detailed description of the alternative follows.

From the western terminus in Bethesda, Low Investment BRT would originate at the Bethesda Metro Station bus terminal. The alignment would operate on Woodmont Avenue within the existing curb. At the Bethesda Station, the buses would enter the station via Edgemoor Road and exit onto Old Georgetown Road.

At Wisconsin Avenue, just south of Jones Bridge Road, the transitway would remain on the west side of the road in exclusive lanes. Low Investment BRT would turn onto Jones Bridge Road where the transit would operate in shared lanes with queue jump lanes westbound at the intersection with Wisconsin Avenue and westbound for the intersection at Connecticut Avenue. Some widening would be required at North Chevy Chase Elementary School.

The alignment would continue along Jones Bridge Road to Jones Mill Road where it would turn right (south) onto Jones Mill Road. Eastbound on Jones Bridge Road would be a queue jump lane at the intersection. From Jones Mill Road, the alignment would turn east onto the Georgetown Branch right-of-way, where a new exclusive roadway would be constructed, with an adjacent trail on the south side.

Low Investment BRT would continue on the Georgetown Branch right-of-way, crossing Rock Creek Park on a new bridge, replacing the existing pedestrian bridge. The trail would also be accommodated on the bridge or on an adjacent bridge. A trail connection to the Rock Creek Trail would be provided east of the bridge. The alignment would continue on the Georgetown Branch right-of-way until the CSX corridor at approximately Kansas Avenue.

At this point, the alignment would turn southeast to run parallel and immediately adjacent to the CSX tracks on a new exclusive right-of-way. The trail would parallel the transitway, crossing the transitway and the CSX right-of-way east of Talbot Avenue on a new structure and continuing on the north side of the CSX right-of-way. The transitway would continue on a new roadway between the CSX tracks and Rosemary Hills Elementary School and continue past the school. The transitway would cross 16<sup>th</sup> Street at -grade, where a station would be located. The transitway would continue parallel to the CSX tracks to Spring Street where it would connect to Spring Street and turn to cross over the CSX tracks on Spring Street. The alignment would continue on Spring Street to 2<sup>nd</sup> Avenue where it would turn east. Buses would operate in shared lanes on Spring Street and Second Avenue.

Low Investment BRT would cross Colesville Road at-grade and continue up Wayne Avenue to Ramsey Street, where the buses would turn right to enter the Silver Spring Transit Center at the second level.

The buses would leave the Silver Spring Transit Center and return to Wayne Avenue via Ramsey Street. Low Investment BRT would continue east on Wayne Avenue in shared lanes. After crossing Sligo Creek Parkway, the alignment would operate in shared lanes.



At Flower Avenue, the alignment would turn left (south) onto Arliss Street, operating in shared lanes to Piney Branch Road. At Piney Branch Road, the alignment would turn left to continue in shared lanes to University Boulevard.

Low Investment BRT would follow University Boulevard to Adelphi Road. The lanes on University Boulevard would be shared. At Adelphi Road, the alignment would enter the University of Maryland (UM) campus on Campus Drive. The alignment would follow the Union Drive extension, as shown in the University of Maryland Facilities Master Plan (2001-2020), through what are currently parking lots. The alignment would follow Union Drive and then Campus Drive through campus in mixed traffic and the main gate to US 1.

Low Investment BRT would operate on Paint Branch Parkway to the College Park Metro Station in shared lanes. The alignment would then follow River Road to Kenilworth Avenue in shared lanes. Along Kenilworth Avenue, the southbound alignment would be a dedicated lane, but northbound would be in mixed traffic.

The alignment turns east from Kenilworth Avenue on East West Highway (MD 410) and continues in shared lanes on Veterans Parkway. This alignment turns left on Annapolis Road and then right on Harkins Road to the New Carrollton Metro Station. The westbound alignment on Annapolis would be dedicated, but the eastbound lanes would be shared.

#### **Alternative 4: Medium Investment BRT**

Alternative 4, the Medium Investment BRT Alternative, is, by definition, an alternative that uses the various options that provide maximum benefit relative to cost. Most of the segments are selected from either the Low or High Investment BRT Alternatives.

This alternative follows a one-way counter-clockwise loop from the Georgetown Branch right-of-way onto Pearl Street, East West Highway, Old Georgetown Road, Edgemoor Lane, and Woodmont Avenue and from there onto the Georgetown Branch right-of-way under the Air Rights Building. The buses stop at both the existing Bethesda Metro Station on Edgemoor Lane and at the new southern entrance to the Metro station under the Air Rights Building.

The alignment continues on the Georgetown Branch right-of-way with an aerial crossing over Connecticut Avenue and a crossing under Jones Mill Road.

This alignment, and all others that use the Georgetown Branch right-of-way, includes construction of a hiker-biker trail between Bethesda and the Silver Spring Transit Center.

The alignment would continue on the Georgetown Branch right-of-way until the CSX right-of-way. The alignment would cross Rock Creek Park on a new bridge, replacing the existing pedestrian bridge. The trail would also be accommodated on the bridge or on an adjacent bridge. The alignment would continue on the Georgetown Branch right-of-way until the CSX corridor at approximately Kansas Avenue. This segment of the alignment, from Jones Mill Road to the CSX corridor, would be the same for all the alternatives.

As with Low Investment BRT, this alternative would follow the CSX corridor on the south side of the right-of-way, but it would cross 16<sup>th</sup> Street and Spring Street below the grade of the streets, at approximately the same grade as the CSX tracks. The station at 16<sup>th</sup> Street would have elevators and escalators to provide access from 16<sup>th</sup> Street.

After passing under the Spring Street Bridge, Medium Investment BRT would rise above the level of the existing development south of the CSX right-of-way. East of the Falklands Chase apartments, Medium Investment BRT would cross over the CSX tracks on an aerial structure to enter the Silver Spring Transit Center parallel to, but at a higher level than, the existing tracks.

After the Silver Spring Transit Center, Medium Investment BRT would leave the CSX right-of-way and follow Bonifant Street at-grade, crossing Georgia Avenue, and just prior to Fenton Street turn north toward Wayne Avenue. The alignment would continue on Wayne Avenue in shared lanes with added left turn lanes to Flower Avenue and then Arliss Street. At Piney Branch Road, the alternative would turn left into dedicated lanes to University Boulevard.

Medium Investment BRT would be in dedicated lanes on University Boulevard with an at-grade crossing of the intersections. The alignment would continue through the University of Maryland campus in dedicated lanes on Campus Drive and then continue at-grade in a new exclusive transitway along the intramural fields to US 1.

Crossing US 1 at-grade, Medium Investment BRT would pass through the East Campus development on Rossborough Lane to Paint Branch Parkway. The alignment would continue on Paint Branch Parkway and River Road in shared lanes, as with Low Investment BRT. At Kenilworth Avenue, both lanes would be dedicated.

Turning left on East West Highway, Medium Investment BRT would be in dedicated lanes. As with Low Investment BRT, this alternative would travel in shared lanes on Veterans Parkway.

Medium Investment BRT would continue on Veterans Parkway to Ellin Road, where it would turn left into dedicated lanes to the New Carrollton Metro Station.

#### **Alternative 5: High Investment BRT via Master Plan Alignment**

The High Investment BRT Alternative is intended to provide the most rapid travel time for a BRT alternative. It would make maximum use of vertical grade separation and horizontal traffic separation. Tunnels and aerial structures are proposed at key locations to improve travel time and reduce delay. When operating within or adjacent to existing roads, this alternative would operate primarily in dedicated lanes. Like Medium Investment BRT, this alternative would serve the Bethesda Station both at the existing Bethesda bus terminal at the Metro station and at the new south entrance to the Metro station beneath the Apex Building.

High Investment BRT would follow a one-way loop in Bethesda from the Master Plan alignment onto Pearl Street, then travel west on East West Highway and Old Georgetown Road into the Bethesda Metro Station bus terminal, exit onto Woodmont Avenue southbound, and then continue left under the Air Rights Building to rejoin the Georgetown Branch right-of-way.



Elevators would provide a direct connection to the south end of the Bethesda Metro Station in the tunnel under the Air Rights Building.

High Investment BRT would be the same as Medium Investment BRT until it reaches the CSX corridor. As with the Low and Medium Investment BRT Alternatives, this alternative would follow the CSX corridor on the south side of the right-of-way, but it would cross 16<sup>th</sup> Street and Spring Street below the grade of the streets, at approximately the same grade as the CSX tracks. The station at 16<sup>th</sup> Street would have elevators and escalators to provide access from 16<sup>th</sup> Street.

The crossing of the CSX right-of-way would be the same as for Medium Investment BRT. From the Silver Spring Transit Center, High Investment BRT would continue along the CSX tracks until Silver Spring Avenue, where the alignment would turn east entering a tunnel, passing under Georgia Avenue, and turning north to Wayne Avenue. The alignment would return to the surface on Wayne Avenue near Cedar Street. It would continue on Wayne Avenue in dedicated lanes, crossing Sligo Creek Parkway, and entering a tunnel approximately half-way between Sligo Creek and Flower Avenue, then turning east to pass under Plymouth Street, crossing under Flower Avenue, and emerging from the tunnel on Arliss Street.

High Investment BRT would be the same on Piney Branch Road and University Boulevard except that the alignment would have grade-separated crossings over New Hampshire Avenue and Riggs Road.

Approaching the University of Maryland, the alignment would cross under Adelphi Road. After Adelphi Road, the alignment would follow Campus Drive and turn onto the proposed Union Drive extended. The alignment would enter a tunnel while on Union Drive, prior to Cole Field House, and pass through the campus under Campus Drive. After emerging from the tunnel east of Regents Drive, the alignment would be the same as Medium Investment BRT, until Paint Branch Parkway.

The alignment would continue east on Paint Branch Parkway in dedicated lanes, except under the CSX overpass, to the College Park Metro Station. The alternative would then follow River Road in dedicated lanes. The alignment would be dedicated on these roadways, except under the CSX Bridge on Paint Branch Parkway.

From River Road (also in dedicated lanes) near Haig Drive, the alignment would turn right and enter a tunnel heading south, roughly parallel to Kenilworth Avenue. Near East West Highway (MD 410), the alignment would turn left and continue in the tunnel under Anacostia River Park. The alignment would transition to a surface alignment west of the Kenilworth Avenue/East West Highway intersection. The alternative would follow East West Highway in dedicated lanes.

High Investment BRT would turn right down Veterans Parkway in dedicated lanes. Unlike Medium Investment BRT, this alignment would cross under Annapolis Road before continuing on to Ellin Road.

### **Alternative 6: Low Investment LRT**

The Low Investment LRT Alternative would operate in shared and dedicated lanes with minimal use of vertical grade separation and horizontal traffic separation. All LRT Alternatives would serve only the south entrance of the Bethesda Station and would operate there in a stub-end platform arrangement.

Low Investment LRT would begin on the Georgetown Branch right-of-way near the Bethesda Metro Station under the Air Rights Building. The hiker-biker trail connection to the Capital Crescent Trail would not be through the tunnel under the Air Rights Building, but rather through Elm Street Park on existing streets. The terminal station would be the Bethesda Metro Station with a connection to the southern end of the existing station platform.

After emerging from under the Air Rights Building, the transitway would follow the Georgetown Branch right-of-way, crossing Connecticut Avenue at-grade and crossing under Jones Mill Road. Between approximately Pearl Street and just west of Jones Mill Road, the trail would be on the north side of the transitway; elsewhere it would be on the south side.

The segment from Jones Mill Road to Spring Street in the CSX corridor would be the same as for Low and Medium Investment BRT.

After crossing Spring Street, Low Investment LRT would be the same as the Medium and High Investment BRT Alternatives.

Low Investment LRT would be the same as Medium Investment BRT from the Silver Spring Transit Center to Bonifant Street to Wayne Avenue.

Turning right, Low Investment LRT would continue at-grade on Wayne Avenue in shared lanes, crossing Sligo Creek Parkway and entering a tunnel from Wayne Avenue to pass under Plymouth Street. As with High Investment BRT, the alignment emerges from the tunnel on Arliss Street.

The Low Investment LRT Alternative would then follow Piney Branch Road and University Boulevard at-grade in dedicated lanes. In keeping with the low investment definition of this alternative, the major intersections of New Hampshire Avenue and Riggs Road would not be grade-separated.

As this alternative approaches Adelphi Road, the grade of the existing roadway is too steep for the type of LRT vehicles being considered. For this reason, the transitway would cross the intersection below grade.

At Adelphi Road, the alignment would enter the University of Maryland campus on Campus Drive. The alignment would follow the same alignment to the College Park Metro Station as described for Medium Investment BRT.



From the College Park Metro Station to the terminus at the New Carrollton Metro Station, Low Investment LRT would be in dedicated lanes on River Road. On Kenilworth Avenue, the LRT would be in a dedicated lane southbound, but a shared lane northbound. On East West Highway, the LRT would be in dedicated lanes with shared left turn lanes and in shared lanes under Baltimore-Washington Parkway. On Veterans Parkway, the LRT is in dedicated lanes.

As with Low Investment BRT, this alignment turns left on Annapolis Road from Veterans Parkway and then right on Harkins Road to the New Carrollton Metro Station. The segments on Annapolis Road and Harkins Lane would be dedicated.

#### **Alternative 7: Medium Investment LRT**

Medium Investment LRT is the same as Low Investment LRT from Bethesda to the CSX corridor, except that the alignment would cross over Connecticut Avenue.

Along the CSX corridor, the alignment would be the same as High Investment BRT, grade-separated (below) at 16<sup>th</sup> and Spring Streets. The alignment would be the same as Medium and High Investment BRT and Low Investment LRT from Spring Street through the Silver Spring Transit Center.

From the Silver Spring Transit Center, the alignment would follow Bonifant Street in dedicated lanes to Wayne Avenue. On Wayne Avenue, this alternative would be in shared lanes with added left turn lanes. The alignment would be the same as Low Investment LRT until Paint Branch Parkway, where it would be in dedicated lanes, except under the CSX/metro tracks at the College Park Metro Station, except for Paint Branch Parkway where it would be in dedicated lanes. The LRT follows River Road, Kenilworth Avenue, East West Highway, and Veterans Parkway in dedicated lanes. At the intersection of Veterans Parkway and Annapolis Road the LRT continues across Annapolis, turning left at Ellin Road still in dedicated lanes.

#### **Alternative 8: High Investment LRT**

Alternative 8, High Investment LRT, would be the same as the High Investment BRT Alternative, except for the Bethesda terminus. The alignment would begin just west of the tunnel under the Air Rights Building. The hiker-biker trail would follow the alignment through the tunnel under the Air Rights Building. Because of physical constraints, the trail would be elevated above the westbound tracks. The trail would return to grade as it approaches Woodmont Avenue. The terminal station would be the Bethesda Metro Station with a connection to the southern end of the existing station platform.

#### **1.2.4. Design Options**

##### **North Side of CSX**

This design option is based on the Georgetown Branch Master Plan. From the eastern end of the Georgetown Branch right-of-way, the alignment would cross under the CSX corridor and then continue down the north side. It would emerge from the tunnel near Lyttonsville Road in Woodside. The alignment would be below the grade of 16<sup>th</sup> Street, passing under the bridge, but providing a station at that location. It would also pass under the Spring Street Bridge but would



begin to rise on an aerial structure over the CSX right-of-way 1,000 feet northwest of Colesville Road due to the location of the Metro Plaza Building. The aerial structure over the CSX right-of-way would provide the required 23-foot clearance from top of rail to bottom of structure. The alternative would enter the Silver Spring Transit Center parallel to, but at a higher level than, the existing tracks.

#### **South Side of CSX with a Crossing West of the Falklands Chase Apartments**

This option would operate on the south side of the CSX, as described either at or below grade at 16<sup>th</sup> Street. The alignment would cross the CSX corridor between Spring Street and Fenwick Lane. This option would continue along the north side of the CSX right-of-way on an aerial structure over the CSX right-of-way 1,000 feet northwest of Colesville Road, due to the location of the Metro Plaza Building. The aerial structure over the CSX right-of-way would provide the required 23-foot clearance from top of rail to bottom of structure. The alternative would enter the Silver Spring Transit Center parallel to, but at a higher level than, the existing tracks.

#### **Silver Spring/Thayer Tunnel**

This design option would begin at the Silver Spring Transit Center where the alignment leaves the CSX corridor near Silver Spring Avenue. It would enter a tunnel on Silver Spring Avenue passing under Georgia Avenue and Fenton Street. At approximately Grove Street, the alignment would shift northward to continue under the storm drain easement and backyards of homes on Thayer and Silver Spring Avenues. The transitway would emerge from the tunnel behind the East Silver Spring Elementary School on Thayer Avenue and follow Thayer Avenue across Dale Drive to Piney Branch Road. If the mode selected were LRT, the grade of Piney Branch Road would require an aerial structure from west of Sligo Creek and Sligo Creek Parkway and would return to grade just west of Flower Avenue. This aerial structure requires that the road be widened. For this design option, a station would be located on Thayer Avenue where the alignment would emerge from the tunnel.

#### **University of Maryland Campus via Preinkert Drive**

Preinkert Drive is being evaluated as a design option for both BRT and LRT through the campus of the University of Maryland. The alignment would run from the west on Campus Drive turning right onto Preinkert Drive where it would head southeast. The transitway would turn left to pass directly between LeFrak Hall and the South Dining Campus Hall and then northeast through the Lot Y parking lot. From there, the alignment would run east along Chapel Drive between Memorial Chapel and Marie Mount Hall and eventually would pass to the south of Lee Building at Chapel Fields. The alignment would continue onto Rossborough Lane, passing directly north of Rossborough Inn to cross US 1, and continues east through the East Campus development.

#### ***1.2.5. Stations and Station Facilities***

Between 20 and 21 stations are being considered for each of the alternatives. Table 1-1 provides the stations for each of the Build Alternatives.





**Table 1-1: Stations by Alternative**

Segment Name	Low Invest. BRT	Medium Invest. BRT	High Invest. BRT	Low Invest. LRT	Medium Invest. LRT	High Invest. LRT
Bethesda Metro, North Entrance	Yes	Yes	Yes	N/A	N/A	N/A
Medical Center Metro	Yes	N/A	N/A	N/A	N/A	N/A
Bethesda Metro, South Entrance	N/A	Yes	Yes	Yes	Yes	Yes
Connecticut Avenue	Yes	Yes	Yes	Yes	Yes	Yes
Lyttonsville	Yes	Yes	Yes	Yes	Yes	Yes
Woodside/16 <sup>th</sup> Street	Yes	Yes	Yes	Yes	Yes	Yes
Silver Spring Transit Center	Yes	Yes	Yes	Yes	Yes	Yes
Fenton Street	Yes	Yes	N/A	Yes	Yes	N/A
Dale Drive	Yes	Yes	Yes	Yes	Yes	Yes
Manchester Place	Yes	Yes	Yes	Yes	Yes	Yes
Arliss Street	Yes	Yes	Yes	Yes	Yes	Yes
Gilbert Street	Yes	Yes	Yes	Yes	Yes	Yes
Takoma/Langley Transit Center	Yes	Yes	Yes	Yes	Yes	Yes
Riggs Road	Yes	Yes	Yes	Yes	Yes	Yes
Adelphi Road	Yes	Yes	Yes	Yes	Yes	Yes
University of Maryland Campus Center	Yes	Yes	Yes	Yes	Yes	Yes
US 1	Yes	N/A	N/A	N/A	N/A	N/A
East Campus	N/A	Yes	Yes	Yes	Yes	Yes
College Park Metro	Yes	Yes	Yes	Yes	Yes	Yes
River Road	Yes	Yes	Yes	Yes	Yes	Yes
Riverdale Park	Yes	Yes	Yes	Yes	Yes	Yes
Riverdale Heights	Yes	Yes	Yes	Yes	Yes	Yes
Annapolis Road	Yes	Yes	Yes	Yes	Yes	Yes
New Carrollton Metro	Yes	Yes	Yes	Yes	Yes	Yes

The design of the Purple Line stations has not been determined at this stage of the project; however, the stations would likely include the following elements: shelters, ticket vending machines, seating, and electronic schedule information. The stations would be located along the transitway and would be on local sidewalks or in the median of the streets, depending on the location of the transitway. Because both the BRT and LRT vehicles under consideration are “low floor,” the platforms would be about 14 inches above the height of the roadway. The platforms would be approximately 200 feet long and between 10 and 15 feet wide, depending on the anticipated level of ridership at each particular station. No new parking facilities would be constructed as part of the Purple Line. Municipal parking garages exist near the Bethesda and Silver Spring Metro Stations, and transit parking facilities exist at the College Park and New Carrollton Metro Stations.

Additional kiss-and-ride facilities would be considered at the stations at Connecticut Avenue on the Georgetown Branch right-of-way and Lyttonsville. The Silver Spring Transit Center, College Park Metro Station, and New Carrollton Metro Station already have kiss-and-ride parking facilities available and the Purple Line would not add more. It has been determined that kiss-and-ride facilities are not needed at the Takoma/Langley Transit Center.

### ***1.2.6. Maintenance and Storage Facilities***

LRT and BRT both require maintenance and storage facilities; however, the requirements in terms of location and size are not the same. LRT requires a facility located along the right-of-way while a BRT facility can be located elsewhere. Depending on the construction phasing and mode chosen, two maintenance facilities (one in Montgomery County and one in Prince George's County) are ideal.

The size of the facility depends on the number of vehicles required. A fleet of 40 to 45 vehicles (including Spares) would require approximately 20 acres. The Purple Line would also require storage for non-revenue vehicles and equipment such as: maintenance, supervisory, and security vehicles.

Activities at the maintenance facility would include:

- Vehicle Storage area (tracks for LRT)
- Inspection/Cleaning
- Running Repairs
- Maintenance/Repair
- Operations/Security
- Parking
- Materials/Equipment Storage

Two sites improve operations by providing services and storage near the ends of the alignment. It is possible to have one site provide the majority of the services and the other function as an auxiliary site.

Five potential sites were identified during the course of the alternatives analysis and were evaluated for environmental impacts. As part of the screening process three were eliminated from further consideration. These five sites are listed below:

- Lyttonsville – This is a maintenance facility on Brookville Road in Lyttonsville, currently used by Montgomery County Ride On buses and school buses. The Purple Line would require the use of some additional adjacent property.
- Haig Court – This site is located on River Road at Haig Court. It would require minimal grading, but is partly wooded, and is very close to the residential neighborhood of Riverdale which is also a historic district.
- North Veterans Parkway – This site is located on the north side of Veterans Parkway. This site is heavily wooded and includes steep grades.
- Glenridge Maintenance Facility – This site is located on the south side of Veterans Parkway near West Lanham Shopping Center. It is currently being used as a maintenance facility for Prince George's County Park vehicles.



- MTA New Carrollton property – This site is a parcel owned but the MTA on the east side of the New Carrollton Metro station. It is not particularly well located for use by the Purple Line because it would require the Purple Line to pass under or around the New Carrollton Metro Station.

The Lyttonsville site and the Glenridge Maintenance Facility were identified as the two sites most appropriate for maintenance and storage facilities for the project based on potential environmental effects and location. These two sites would provide sufficient capacity for either BRT or LRT operations; and are well located near either end of the alignment.

#### ***1.2.7. Traction Power Substations***

Light rail's electric traction power system requires electrical substations approximately every 1.25 miles, depending on the frequency and size of the vehicles. These substations, which are approximately 10 feet by 40 feet, do not need to be immediately adjacent to the tracks. This flexibility means the substations can be located to minimize visual intrusions and can be visually shielded by fencing, landscaping, or walls, or can be incorporated into existing buildings. The number and location of these substations will be determined during the preliminary engineering phase of project development.

## **2. Environmental Analysis**

### **2.1. Affected Environment**

Air pollution is a general term that refers to one or more chemical substances that degrade the quality of the atmosphere. Individual air pollutants degrade the atmosphere by reducing visibility, damaging property, reducing the productivity or vigor of crops or natural vegetation, or harming human or animal health.

#### ***2.1.1. Clean Air Act Amendments of 1990***

The Clean Air Act (CAA) Amendments of 1990 and the Final Transportation Conformity Rule [40 CFR Parts 51 and 93] direct the U.S. Environmental Protection Agency (EPA) to implement environmental policies and regulations that will ensure acceptable levels of air quality.

The CAA and the Final Transportation Conformity Rule affect proposed transportation projects. According to Title I, Section 176 (c) 2:

"No federal agency may approve, accept, or fund any transportation plan, program, or project unless such plan, program, or project has been found to conform to any applicable State Implementation Plan (SIP) in effect under this act."

The Final Conformity Rule defines conformity as follows:

"Conformity to an implementation plan's purpose of eliminating or reducing the severity and number of violations of the National Ambient Air Quality Standards (NAAQS) and achieving expeditious attainment of such standards; and

That such activities will not:

- Cause or contribute to any new violation of any NAAQS in any area;
- Increase the frequency or severity of any existing violation of any NAAQS in any area; or
- Delay timely attainment of any NAAQS or any required interim emission reductions or other milestones in any area."

#### ***2.1.2. National and State Ambient Air Quality Standards***

As required by the CAA, NAAQS have been established for six major air pollutants. These pollutants, known as criteria pollutants, are carbon monoxide, nitrogen dioxide, ozone, particulate matter, sulfur dioxide, and lead.



The federal standards are summarized in Table 2-1. The primary standards have been established to protect the public health. The secondary standards are intended to protect the nation's welfare, and they account for air pollutant effects on soil, water, visibility, materials, vegetation, and other aspects of the general welfare.

**Table 2-1: National Ambient Air Quality Standards**

Pollutant	Averaging Period	National and State Standards	
		Primary	Secondary
Carbon Monoxide (CO)	Eight Hours <sup>1</sup>	9 ppm (10 µg/m <sup>3</sup> )	No Secondary Standard
	One Hour <sup>1</sup>	35 ppm (40 µg/m <sup>3</sup> )	No Secondary Standard
Lead (Pb)	Maximum Quarterly Average	1.5 µg/m <sup>3</sup>	Same as Primary Standard
Nitrogen Dioxide (NO <sub>2</sub> )	Annual Arithmetic Mean	0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary Standard
Particulate Matter (PM <sub>10</sub> )	Annual Arithmetic Mean <sup>2</sup>	50 µg/m <sup>3</sup> / Revoked <sup>2</sup>	
	24-Hour <sup>3</sup>	150 µg/m <sup>3</sup>	
Fine Particulate Matter (PM <sub>2.5</sub> )	Annual Arithmetic Mean <sup>4</sup>	15 µg/m <sup>3</sup>	Same as Primary Standard
	98 <sup>th</sup> Percentile 24-Hour <sup>5</sup>	65 µg/m <sup>3</sup> / 35 µg/m <sup>3</sup>	Same as Primary Standard
Ozone (O <sub>3</sub> )	Fourth Highest Eight-Hour Daily Maximum <sup>6</sup>	0.08 ppm	Same as Primary Standard
	Maximum Daily One-hour Average <sup>7</sup> (applies only in limited areas)	0.12 ppm (235 µg/m <sup>3</sup> )	Same as Primary Standard
Sulfur Dioxide (SO <sub>2</sub> )	Annual Arithmetic Mean	80 µg/m <sup>3</sup> (0.03 ppm)	–
	24 Hours <sup>1</sup>	365 µg/m <sup>3</sup> (0.14 ppm)	–
	Three Hours <sup>1</sup>	–	1,300 ug/m <sup>3</sup> / (0.5 ppm)

Source: EPA, National Primary and Secondary Ambient Air Quality Standards (49 CFR 50), October 2006.

**Notes:**

<sup>1</sup> Not to be exceeded more than once per year.

<sup>2</sup> Due to a lack of evidence linking health problems to long-term exposure to coarse particle pollution, the agency revoked the annual PM<sub>10</sub> standard in 2006 (effective December 17, 2006).

<sup>3</sup> Not to be exceeded more than once per year on average over three years.

<sup>4</sup> To attain this standard, the three-year average of the weighted annual mean PM<sub>2.5</sub> concentrations from single or multiple community-oriented monitors must not exceed 15.0 µg/m<sup>3</sup>.

<sup>5</sup> To attain this standard, the three-year average of the 98<sup>th</sup> percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 µg/m<sup>3</sup> (effective December 17, 2006).

<sup>6</sup> To attain this standard, the three-year average of the fourth-highest daily maximum eight-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.08 ppm.

<sup>7</sup> (a) The standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 ppm is ≤1, as determined by Appendix H of 40 CFR 50 – National Primary and Secondary Ambient Air Quality Standards  
[http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=/ecfrbrowse/Title40/40cfr50\\_main\\_02.tpl](http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=/ecfrbrowse/Title40/40cfr50_main_02.tpl).

(b) As of June 15, 2005, EPA revoked the one-hour ozone standard in all areas except the 14 eight-hour ozone nonattainment Early Action Compact Areas. The project is not located in one of these areas.

Abbreviations: ppm = parts per million, µg/m<sup>3</sup> = micrograms per cubic meter.

### **2.1.3. Criteria Pollutants and Effects**

Pollutants that have established national standards are referred to as criteria pollutants. The sources of these pollutants, their effects on human health and the nation's welfare, and their final deposition in the atmosphere vary considerably. A brief description of each pollutant is provided below.

**Ozone.** Ozone ( $O_3$ ) is a colorless toxic gas. As shown in Figure 2-1,  $O_3$  is found in both the earth's upper and lower atmospheric levels. In the upper atmosphere,  $O_3$  is a naturally occurring gas that helps to prevent the sun's harmful ultraviolet rays from reaching the earth. In the lower layer of the atmosphere,  $O_3$  is man-made. Although  $O_3$  is not directly emitted, it forms in the lower atmosphere through a chemical reaction between hydrocarbons (HC), also referred to as volatile organic compounds or VOCs, and nitrogen oxides ( $NO_x$ ), which are emitted from industrial sources and automobiles. Substantial  $O_3$  formations generally require a stable atmosphere with strong sunlight; thus high levels of  $O_3$  are generally a concern in the summer.  $O_3$  is the main ingredient of smog.  $O_3$  enters the bloodstream through the respiratory system and interferes with the transfer of oxygen, depriving sensitive tissues in the heart and brain of oxygen.  $O_3$  also damages vegetation by inhibiting its growth.

**Particulate Matter.** Particulate pollution is composed of solid particles or liquid droplets that are small enough to remain suspended in the air. In general, particulate pollution can include dust, soot, and smoke; these can be irritating but are not usually poisonous.

Particulate pollution also can include bits of solid or liquid substances that can be highly toxic. Of particular concern are those particles that are smaller than, or equal to, 10 microns ( $PM_{10}$ ) and 2.5 microns ( $PM_{2.5}$ ) in size.

$PM_{10}$  refers to particulate matter less than 10 microns in diameter, about  $1/7^{th}$  the thickness of a human hair (Figure 2-2). Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter also forms when industry and gases emitted from motor vehicles undergo chemical reactions in the atmosphere.

Major sources of  $PM_{10}$  include motor vehicles; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Suspended particulates produce haze and reduce visibility.

Data collected through numerous nationwide studies indicate that most of the  $PM_{10}$  comes from the following:

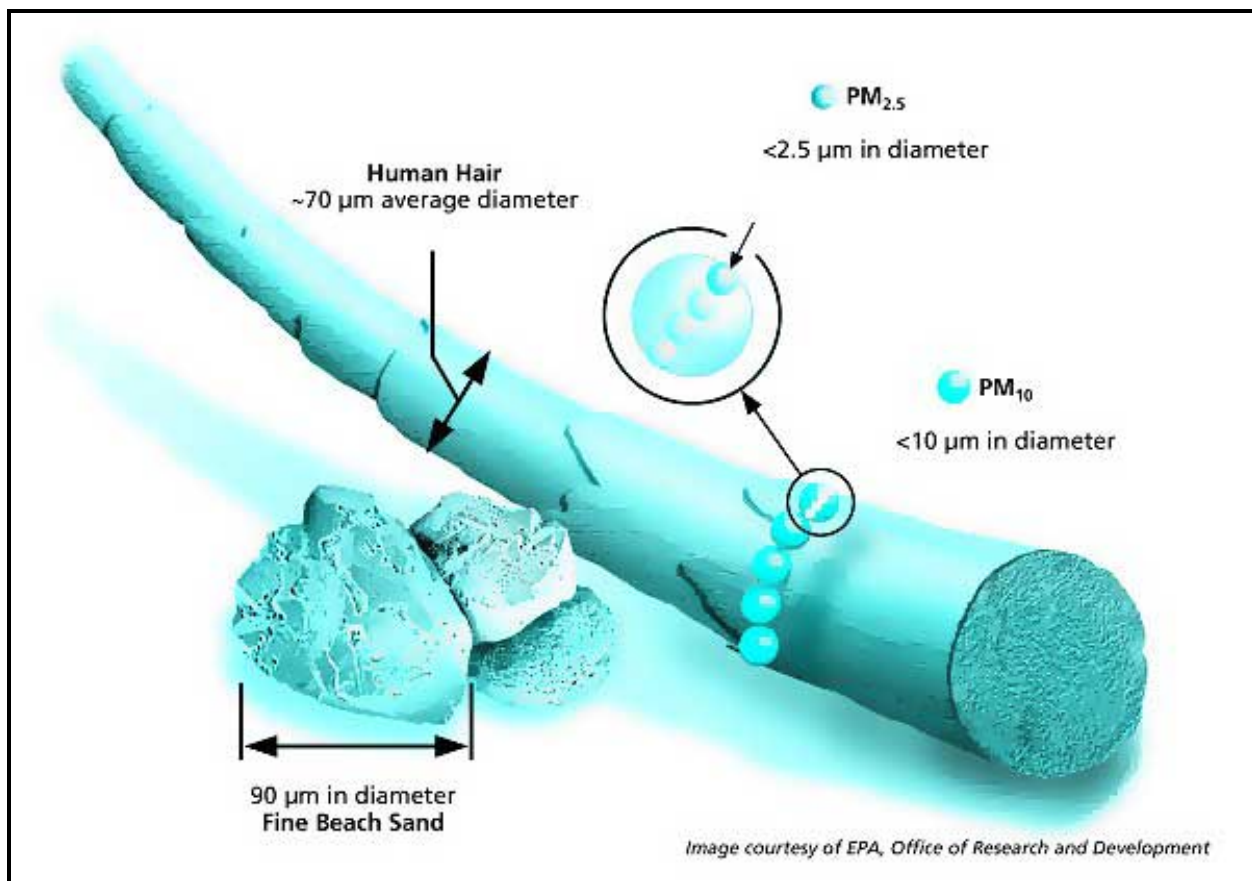
- Fugitive dust
- Wind erosion
- Agricultural and forestry sources



Source: OzoneNY [http://www.ozoneny.org/about\\_ozone/good\\_vs\\_bad\\_ozone.asp](http://www.ozoneny.org/about_ozone/good_vs_bad_ozone.asp)

**Figure 2-1: Ozone in the Atmosphere**





Source: EPA Office of Air and Radiation <http://www.epa.gov/oar/particlepollution/basic.html>

**Figure 2-2: Relative Particulate Matter Size**



A small portion of particulate matter is the product of fuel combustion processes. In the case of  $PM_{2.5}$ , the combustion of fossil fuels accounts for a significant portion of this pollutant. The main health effect of airborne particulate matter is on the respiratory system.  $PM_{2.5}$  refers to particulates that are 2.5 microns or less in diameter, roughly  $1/28^{th}$  the diameter of a human hair.  $PM_{2.5}$  results from fuel combustion (from motor vehicles, power generation, and industrial facilities), residential fireplaces, and wood stoves. In addition,  $PM_{2.5}$  can be formed in the atmosphere from gases such as sulfur dioxide, nitrogen oxides, and VOCs. Like  $PM_{10}$ ,  $PM_{2.5}$  can penetrate the human respiratory system's natural defenses and damage the respiratory tract when inhaled. Whereas particles 2.5 to 10 microns in diameter tend to collect in the upper portion of the respiratory system, particles 2.5 microns or less are so tiny that they can penetrate deeper into the lungs and damage lung tissues.

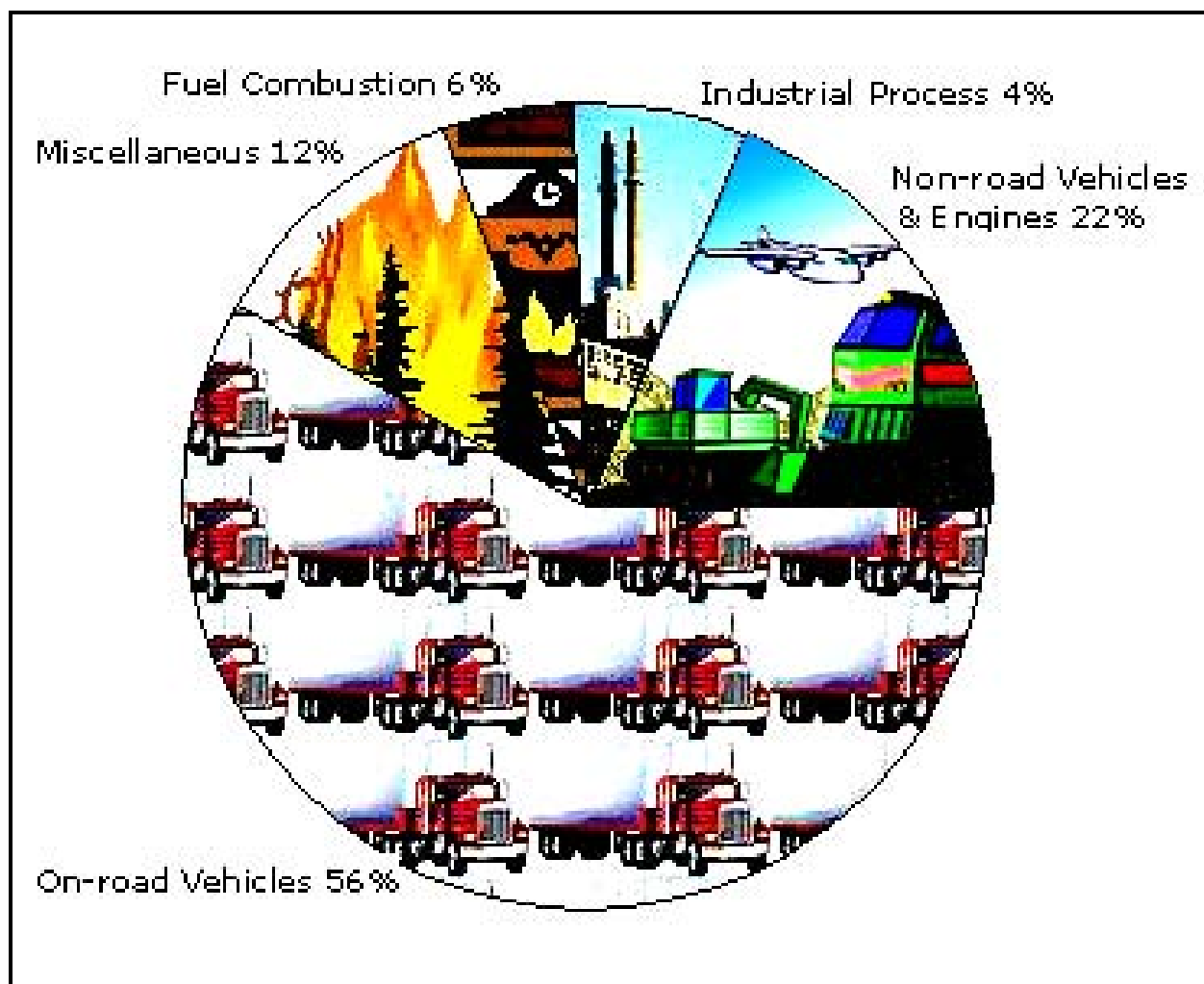
**Carbon Monoxide.** Carbon monoxide (CO) is a colorless gas that interferes with the transfer of oxygen to the brain. CO is emitted almost exclusively from the incomplete combustion of fossil fuels. As shown in Figure 2-3, on-road motor vehicle exhaust is the primary source of CO. In cities, 85 to 95 percent of all CO emissions may come from motor vehicle exhaust. Prolonged exposure to high levels of CO can cause headaches, drowsiness, loss of equilibrium, or heart disease. CO levels are generally highest in the colder months of the year when inversion conditions (when warmer air traps colder air near the ground) are more frequent.

CO concentrations can vary greatly over relatively short distances. Relatively high concentrations of CO are typically found near congested intersections, along heavily used roadways carrying slow-moving traffic, and in areas where atmospheric dispersion is inhibited by urban "street canyon" conditions. Consequently, CO concentrations must be predicted on a localized, or microscale, basis.

**Nitrogen Dioxide.** Nitrogen dioxide ( $NO_2$ ) is a brownish gas that irritates the lungs. It can cause breathing difficulties at high concentrations. As with  $O_3$ ,  $NO_2$  is not directly emitted, but is formed through a reaction between nitric oxide (NO) and atmospheric oxygen. NO and  $NO_2$  are collectively referred to as nitrogen oxides ( $NO_x$ ) and are major contributors to ozone formation.  $NO_2$  also contributes to the formation of  $PM_{10}$ . At atmospheric concentrations,  $NO_2$  is only potentially irritating. In high concentrations, the result is a brownish-red cast to the atmosphere and reduced visibility. There is some indication of a relationship between  $NO_2$  and chronic pulmonary fibrosis. An increase in bronchitis in children (two and three years old) has also been observed at concentrations below 0.3 ppm.

**Lead.** Lead (Pb) is a stable element that persists and accumulates both in the environment and in animals. Its principal effects in humans are on the blood-forming, nervous, and renal systems. Lead levels in the urban environment from mobile sources have decreased significantly due to the federally-mandated switch to lead-free gasoline.

**Sulfur Dioxide.** Sulfur Dioxide ( $SO_2$ ) is a product of high-sulfur fuel combustion. The main sources of  $SO_2$  are coal and oil used in power stations, industry, and domestic heating. Industrial chemical manufacturing is another source of  $SO_2$ .  $SO_2$  is an irritant gas that attacks the throat and lungs. It can cause acute respiratory symptoms and diminished ventilator function in children.  $SO_2$  can also yellow plant leaves and corrode iron and steel.



Source: US EPA, <http://www.epa.gov/air/urbanair/co/what1.html#>

**Figure 2-3: Sources of CO**



#### **2.1.4. Mobile Source Air Toxics**

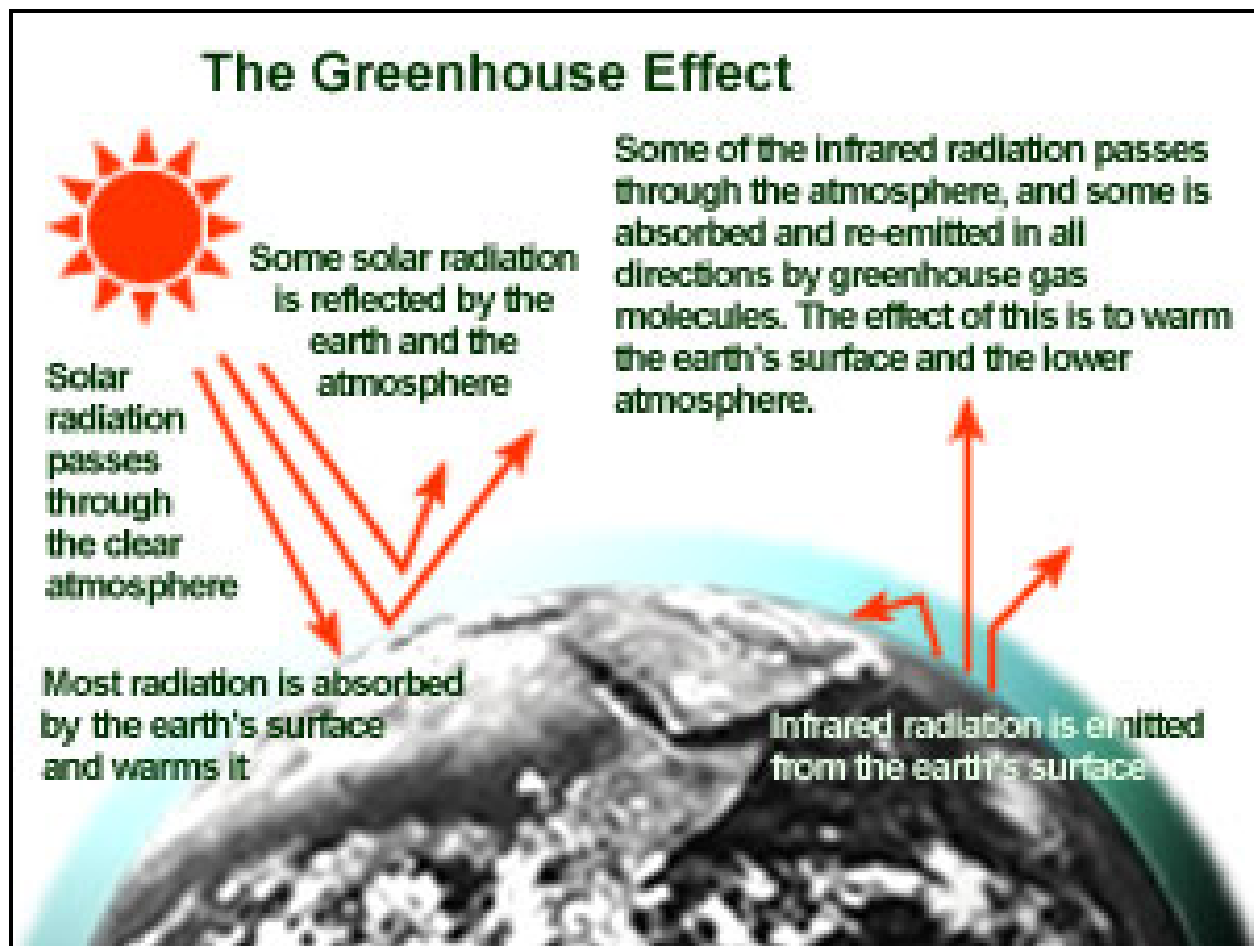
In addition to the criteria pollutants for which there are NAAQS, EPA also regulates air toxics. Toxic air pollutants are those pollutants known or suspected to cause cancer or other serious health effects. Most air toxics originate from human-made sources, including on-road mobile sources, non-road mobile sources (e.g., airplanes), area sources (e.g., dry cleaners), and stationary sources (e.g., factories or refineries). The CAA identified 188 air toxics. In 2001 EPA identified a list of 21 Mobile Source Air Toxics (MSAT) and highlighted six of these MSATs as priority MSATs. Since 2001, EPA has conducted an extensive review of the literature to produce a list of the compounds identified in the exhaust or evaporative emissions from on-road and non-road equipment and alternative fuels. This list currently includes approximately 1,000 compounds, many emitted in trace amounts.

In February 2007, EPA finalized a rule to reduce hazardous air pollutants from mobile sources (*Control of Hazardous Air Pollutants from Mobile Sources*, February 9, 2007). The rule limits the benzene content of gasoline and reduces toxic emissions from passenger vehicles and gas cans. EPA estimates that in 2030 this rule would reduce total emissions of MSATs by 330,000 tons and VOC emissions (precursors to ozone and PM<sub>2.5</sub>) by more than one million tons.

By 2010, EPA's existing programs will reduce MSATs by more than one million tons from 1999 levels. In addition to controlling pollutants, such as hydrocarbons, particulate matter, and nitrogen oxides, EPA's recent regulations controlling emissions from highway vehicles and non-road equipment will result in large air toxic reductions. Furthermore, EPA has programs under development that would provide additional benefits from further controls for small non-road gasoline engines and diesel locomotive and marine engines. Finally, EPA has developed a variety of programs to reduce risk in communities, such as Clean School Bus USA, the Voluntary Diesel Retrofit Program, Best Workplaces for Commuters, and National Clean Diesel Campaign.

#### **2.1.5. Greenhouse Gases**

Gases that trap heat in the atmosphere are often referred to as greenhouse gases. Greenhouse gases are necessary to life as we know it because they keep the planet's surface warmer than it otherwise would be. This is referred to as the Greenhouse Effect (Figure 2-4). As concentrations of greenhouse gases are increasing, however, the earth's temperature is increasing. According to National Oceanic and Atmospheric Administration and National Aeronautics and Space Administration data, the earth's average surface temperature has increased by about 1.2 to 1.4°F in the last 100 years. Eleven of the last 12 years rank among the 12 warmest years on record (since 1850), with the warmest two years being 1998 and 2005. Most of the warming in recent decades is very likely the result of human activities. Other aspects of the climate are also changing, such as rainfall patterns, snow and ice cover, and sea level.



Source: <http://www.epa.gov/climatechange/science/index.html>

**Figure 2-4: The Greenhouse Effect**



Some greenhouse gases, such as carbon dioxide, occur naturally and are emitted to the atmosphere through natural processes and human activities. Other greenhouse gases (e.g., fluorinated gases) are created and emitted solely through human activities. The principal greenhouse gases that enter the atmosphere because of human activities are described below.

**Carbon Dioxide (CO<sub>2</sub>).** Carbon dioxide enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and also as a result of other chemical reactions (e.g., manufacture of cement). Carbon dioxide is also removed from the atmosphere (or sequestered) when it is absorbed by plants as part of the biological carbon cycle.

**Methane (CH<sub>4</sub>).** Methane is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and by the decay of organic waste in municipal solid waste landfills.

**Nitrous Oxide (N<sub>2</sub>O).** Nitrous oxide is emitted during agricultural and industrial activities and during combustion of fossil fuels and solid waste.

**Fluorinated Gases.** Hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride are synthetic, powerful greenhouse gases that are emitted from a variety of industrial processes. Fluorinated gases are sometimes used as substitutes for ozone-depleting substances (e.g., chlorofluorocarbons, hydrochlorofluorocarbons, and halons). These gases are typically emitted in smaller quantities, but because they are potent greenhouse gases, they are sometimes referred to as High Global Warming Potential gases (High GWP gases).

Greenhouse gases differ in their ability to trap heat. For example, one ton of emissions of CO<sub>2</sub> has a different effect than one ton of emissions of methane. To compare emissions of different greenhouse gases, inventory compilers use a weighting factor called a Global Warming Potential or GWP. To use a GWP, the heat-trapping ability of one metric ton (1,000 kilograms) of CO<sub>2</sub> is taken as the standard, and emissions are expressed in terms of CO<sub>2</sub> equivalent, but can also be expressed in terms of carbon equivalent. For mobile source analyses based on fossil fuel consumption, CO<sub>2</sub> is the predominant greenhouse gas emitted; therefore, this analysis will focus on CO<sub>2</sub> emission burdens generated by the project's energy consumption.

#### ***2.1.6. Attainment Status/Regional Air Quality Conformity***

Section 107 of the 1977 CAA Amendment requires that EPA publish a list of all geographic areas in compliance with the NAAQS and areas not in attainment of the NAAQS. The designation of an area is made on a pollutant-by-pollutant basis. EPA's area designations are shown in Table 2-2.

**Table 2-2: Attainment Classifications and Definitions**

<b>Attainment</b>	<b>Unclassified</b>	<b>Maintenance</b>	<b>Nonattainment</b>
Area is in compliance with the NAAQS.	Area has insufficient data to make a determination and is treated as being in attainment.	Area once classified as nonattainment but has since demonstrated attainment of the NAAQS.	Area is not in compliance with the NAAQS.

The region is classified as a maintenance area for CO, a nonattainment area for PM<sub>2.5</sub>, and a moderate nonattainment area for O<sub>3</sub>. The area must come into attainment for PM<sub>2.5</sub> and O<sub>3</sub> by April 2010 and June 2010, respectively. EPA has recently (September 21, 2006) revoked the annual PM<sub>10</sub> standard and revised the PM<sub>2.5</sub> 24-hour standard from 65 to 35 ug/m<sup>3</sup>. Attainment status for this revision will be based on monitored data collected in 2007-2009. Area designations will be issued in 2010. Based upon the new designation, attainment dates for PM<sub>2.5</sub> may be revised by the EPA.

Prince George's and Montgomery Counties are part of the Metropolitan Washington Council of Governments (MWCOG). MWCOG is a regional organization of 20 local governments surrounding the nation's capital, plus members of the Maryland and Virginia legislatures, the U.S. Senate, and the U.S. House of Representatives. Among other responsibilities, MWCOG provides daily reports and forecasts of regional air quality. Through MWCOG, the Metropolitan Washington Air Quality Committee prepares the air quality plan for the Washington, D.C.-Maryland-Virginia metropolitan area as regulated under Section 174 of the CAA. The Transportation Planning Board (TPB), housed within MWCOG, is the organization that brings together key decision makers to coordinate planning and funding for the region's transportation system. TPB members include local officials, representatives of state transportation agencies, the Washington Metropolitan Area Transit Authority, state legislators, and others. The TPB is designated as a Metropolitan Planning Organization and is therefore responsible for meeting federal metropolitan planning requirements for transportation. The TPB is staffed by MWCOG.

The TPB is required to produce two basic documents. The first is the *Financially Constrained Long-Range Transportation Plan*, which includes all regionally significant transportation projects and programs that are planned in the Washington region over the next 25 years. This differs from the second document, the *Transportation Improvement Plan (TIP)*, which lists projects and programs that will be funded in the next six years. In order to receive federal funding, transportation projects must be included in the Financially Constrained Long-Range Transportation Plan and the TIP. The TIP is the basis for the regional mobile source air quality analysis, which uses vehicle miles traveled (VMT) and emissions factors to determine emissions estimates for the entire transportation system. The analysis results, presented under the Transportation Conformity Rule, demonstrate that the plan and the TIP are consistent with the goals of the SIP.

The Purple Line is listed in the Washington Metropolitan Region's Fiscal Year 2007-2012 TIP (approved on October 18, 2006). The Metropolitan Washington Air Quality Committee and TPB develop an *Air Quality Conformity Report*, which contains emissions ceilings (called mobile emissions budgets) to which the transportation plan must conform. The draft analysis of the plan indicates that mobile emissions are within currently required budgets for NO<sub>x</sub> and VOCs for 2010, 2020, and 2030. In addition to NO<sub>x</sub> and VOCs, the plan must track and estimate Particulate Matter (PM<sub>2.5</sub>). SIPs, however, are still in the development phase for eight-hour O<sub>3</sub> and PM<sub>2.5</sub>. In the interim, the one-hour motor vehicle emissions budgets are applicable for transportation conformity purposes. For PM<sub>2.5</sub>, the area must maintain a PM<sub>2.5</sub> budget no greater than the 2002 PM<sub>2.5</sub> budget. An eight-hour O<sub>3</sub> SIP was submitted to EPA in May 2007, and a





PM<sub>2.5</sub> SIP is expected to be submitted to EPA in April 2008, although this may change as a result of the new PM<sub>2.5</sub> standards.

### ***2.1.7. Ambient Air Quality in the Study Area***

#### **Local Meteorology**

The nature of the surrounding atmosphere is an important element in assessing the ambient air quality of an area. The project area/corridor/region is located east of the Blue Ridge, Bull Run, and Catocin Mountains. The terrain in the project area/corridor/region is mostly low rolling hills. Easterly winds cause an upslope effect from the Atlantic Ocean, located approximately 120 miles to the east, and the Chesapeake Bay, located approximately 35 miles to the east.

The project area/corridor/region is in the middle latitudes, where the general atmospheric flow is from west to east and favors a continental climate with four well-defined seasons. Summers are warm and at times humid. Winters are mild. Generally pleasant weather prevails in spring and autumn. The coldest period, when low temperatures average 21 degrees, occurs in late January. The warmest period, averaging high of 88 degrees, occurs in the last half of July. Precipitation is rather evenly distributed throughout the year. Annual precipitation has ranged from about 25 inches to more than 55 inches. Rainfalls exceeding 10 inches in a 24-hour period have been recorded during the passage of tropical storms. The seasonal snowfall is nearly 24 inches, but varies greatly from season to season. Snowfalls of four inches or more occur only twice each winter on average. Accumulations of over 20 inches from a single storm are extremely rare. Storm damage results mainly from heavy snows and freezing rains in winter and from hurricanes and severe thunderstorms during other seasons. Precipitation helps cleanse the atmosphere of pollutants. Very small particles in the atmosphere act as condensation nuclei, triggering the formation of raindrops, while larger particles are literally washed from the air during precipitation events. Precipitation also prevents the drying of the ground, alleviating the formation of fugitive dust; however, precipitation can combine with the oxides of sulfur and nitrogen to produce another form of pollution, namely acid rain.

Prevailing winds are from the south, except during the winter when they are from the northwest. The windiest period is late winter and early spring. Winds are generally less during the night and early morning hours and increase to a high in the afternoon. Winds may reach 50 to 60 miles per hour or even higher during severe summer thunderstorms, hurricanes, and winter storms. Wind speed direction and its variability have a large influence on the dispersion of atmospheric pollutants (National Oceanic and Atmospheric Administration 2005).

#### **Monitored Air Quality**

The Air and Radiation Management Administration, within the Maryland Department of the Environment, is responsible for implementing and enforcing regulations to ensure that the air Maryland citizens breathe is clean and healthful. This mission is accomplished through several methods, including air pollution monitoring. The MWCOG collects and distributes air quality data from monitors located throughout the Washington, D.C., Virginia, and Maryland areas. Figure 2-5 shows the location of the monitors within the metropolitan area relative to the project study area.

Monitored air quality data within or near the study area for the years 2004-2006 is presented in Table 2-3. Maximum measured air pollutant concentrations at these monitors are shown in Figure 2-6. Further monitoring information is located in Appendix A.

## **2.2. Environmental Consequences**

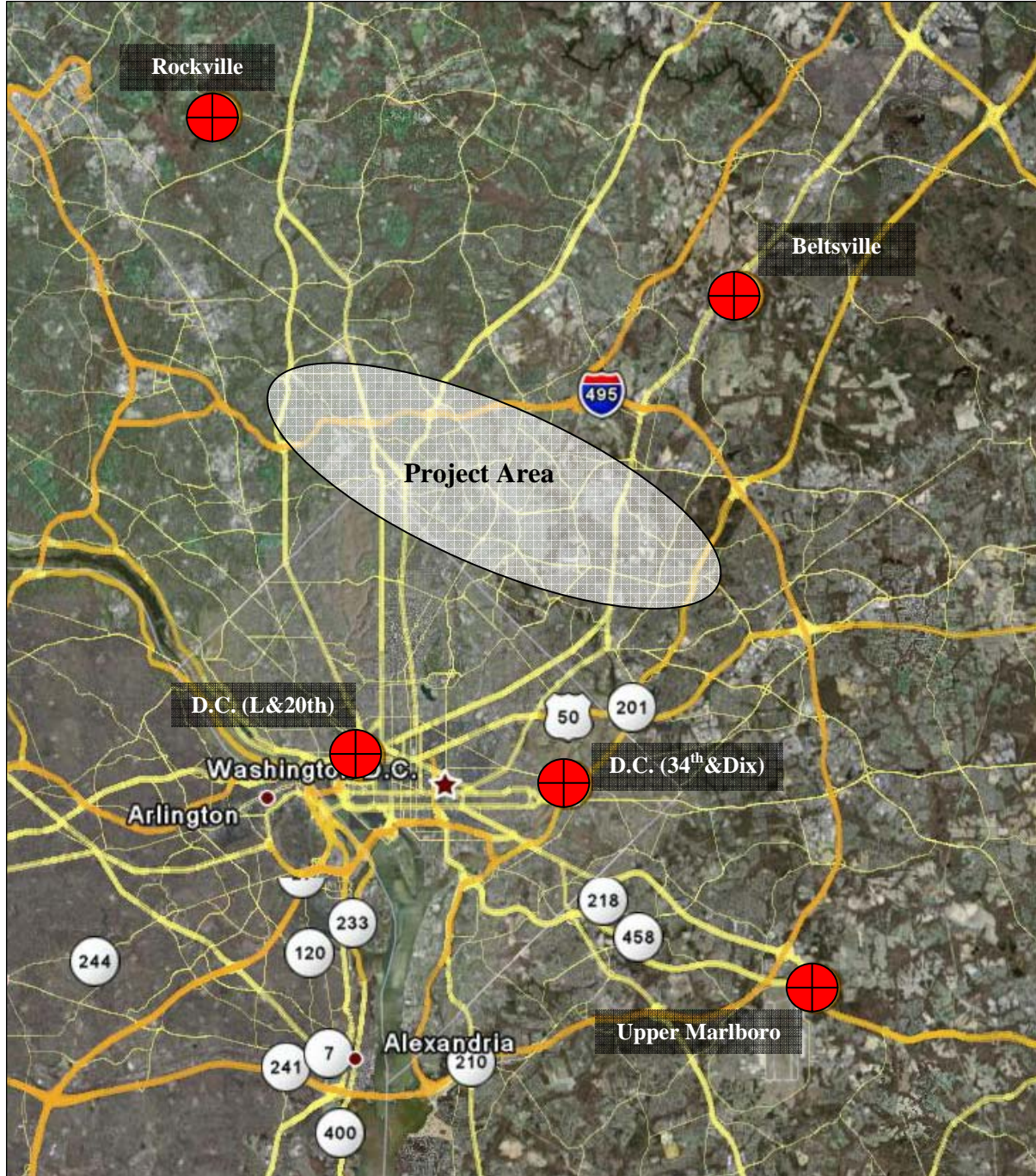
### **2.2.1. Pollutants for Analysis**

Pollutants that can be traced principally to motor vehicles are relevant to the evaluation of the project's impacts; these pollutants include CO, HC, NO<sub>x</sub>, O<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and MSAT. Transportation sources account for a small percentage of regional emissions of SO<sub>x</sub> and Pb; thus, a detailed analysis is not required.

HC (VOC) and NO<sub>x</sub> emissions from automotive sources are a concern primarily because they are precursors in the formation of ozone and particulate matter. Ozone is formed through a series of reactions that occur in the atmosphere in the presence of sunlight. Since the reactions are slow and occur as the pollutants are diffusing downwind, elevated ozone levels often are found many miles from the sources of the precursor pollutants. Therefore, the effects of HC and NO<sub>x</sub> emissions generally are examined on a regional or mesoscale basis.

PM<sub>10</sub> and PM<sub>2.5</sub> impacts are both regional and local. A significant portion of particulate matter, especially PM<sub>10</sub>, comes from disturbed vacant land, construction activity, and paved road dust. PM<sub>2.5</sub> also comes from these sources. Motor vehicle exhaust, particularly from diesel vehicles, is also a source of PM<sub>10</sub> and PM<sub>2.5</sub>. PM<sub>10</sub>, and especially PM<sub>2.5</sub>, can also be created by secondary formation from precursor elements such as sulfur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), volatile organic compounds (VOCs), and ammonia (NH<sub>3</sub>). Secondary formation occurs due to chemical reaction in the atmosphere generally downwind some distance from the original emission source. Thus, it is appropriate to predict concentrations of PM<sub>10</sub> and PM<sub>2.5</sub> on both a regional and a localized basis.

CO impacts are generally localized. Even under the worst meteorological conditions and most congested traffic conditions, high concentrations are limited to a relatively short distance (300 to 600 feet) of heavily traveled roadways. Vehicle emissions are the major sources of CO. The Purple Line project could change traffic patterns within the project area/corridor/region. Consequently, it is appropriate to predict concentrations of CO on both a regional and a localized or microscale basis.



**Figure 2-5: Air Quality Monitoring Locations**

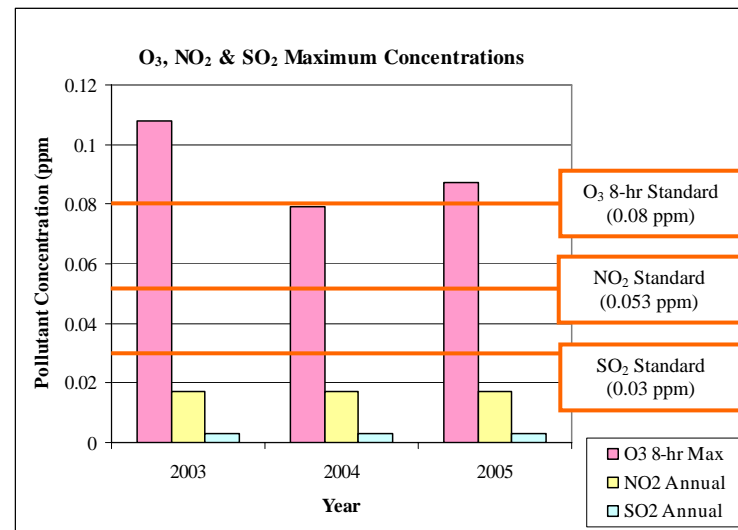
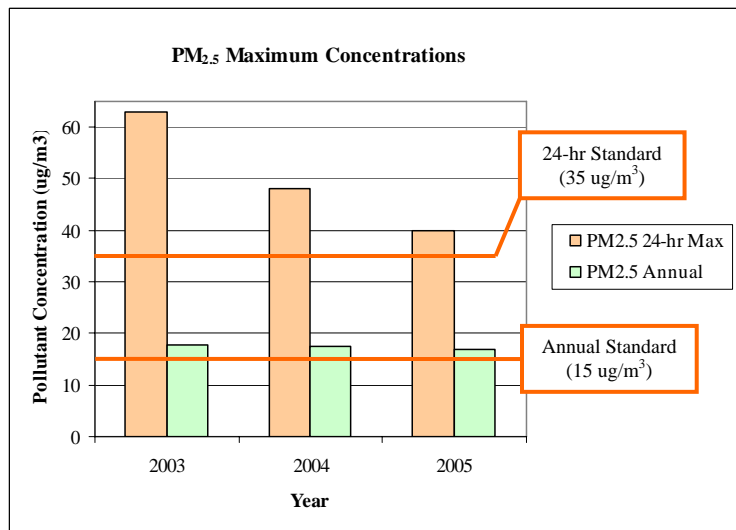
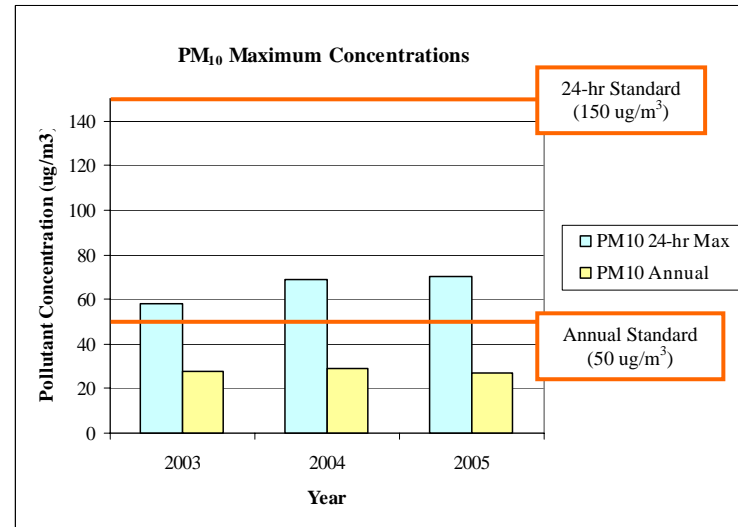
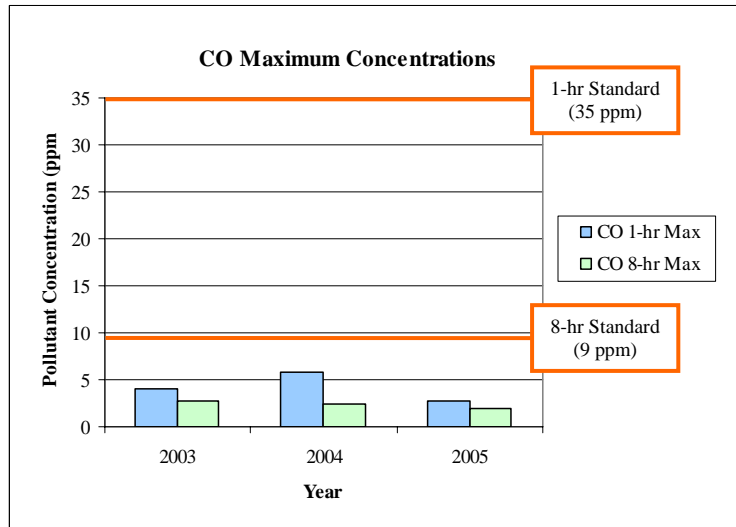




**Table 2-3: Ambient Air Quality Monitored Data 2004-2006**

			Rockville 5110 Meadows Lane			Upper Marlboro 14955 Pennsylvania Avenue			Beltsville 12003 Old Baltimore Pike			Washington, D.C. L Street and 20 <sup>th</sup> Street			Washington, D.C. 34 <sup>th</sup> Street and Dix Street		
			2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006
Carbon Monoxide (CO) [ppm]	1-Hour	Maximum										3.8	3.0	10.3	4.1	4.1	4.5
		Second Maximum										3.4	2.9	3.2	4.0	3.8	4.0
		# of Exceedances										0	0	0	0	0	0
	8-Hour	Maximum										2.4	2.1	2.6	3.5	3.3	3.4
		Second Maximum										2.4	1.9	2.3	3.4	3.2	3.3
		# of Exceedances										0	0	0	0	0	0
Particulate Matter [ug/m3]	PM <sub>10</sub>	Maximum 24-Hour													60	81	63
		Mean Annual													27	36	30
		# of Exceedances													0	0	0
	PM <sub>2.5</sub>	Maximum 24-Hour	41	38	32	44	37	36	38	38	36				44	39	76
		Mean Annual	12.6	13.6	11.4	13.3	13.8	12.2	12.6	13.4	11.5				14.9	15.7	14.3
		# of Exceedances	0	0	0	0	0	0	0	0	0				0	1	0
Ozone (O <sub>3</sub> ) [ppm]	8-Hour	First Highest	0.094	0.100	0.101	0.100	0.097	0.102		0.094	0.098						
		Second Highest	0.086	0.087	0.091	0.093	0.094	0.100		0.088	0.095						
		Third Highest	0.084	0.085	0.090	0.087	0.093	0.096		0.086	0.090						
		Fourth Highest	0.080	0.083	0.088	0.086	0.092	0.095		0.085	0.086						
		# of Days Standard Exceeded	2	3	4	5	5	6		4	6						
Nitrogen Dioxide (NO <sub>2</sub> ) [ppm]		One-Hour Maximum								0.043	0.052				0.115	0.115	0.119
		One-Hour Second Maximum								0.039	0.051				0.106	0.105	0.099
		Annual Mean								0.011	0.011				0.021	0.021	0.016
		# of Days Standard Exceeded								0	0				0	0	0
Sulfur Dioxide (SO <sub>2</sub> ) [ppm]		One-Hour Maximum													0.090	0.075	0.066
		Three-Hour Maximum													0.047	0.047	0.045
		24-Hour Maximum													0.018	0.018	0.014
		Annual Mean													0.007	0.005	0.005

Source: EPA Office of Air Quality Planning and Standards (AIRSDData); <http://www.epa.gov/air/data/geosel.html>



**Figure 2-6: Maximum Measured Pollutant Concentrations**

MSAT impacts are both regional and local. Through the issuance of EPA's Final Rule, Control of Emissions of Hazardous Air Pollutants from Mobile Sources (66 FR 17229), it was determined that many existing and newly promulgated mobile source emission control programs would result in a reduction of MSATs. Federal Highway Administration (FHWA) projects that even with a 64 percent increase in VMT, on-highway emissions of benzene, formaldehyde, 1,3-butadiene, and acetaldehyde will decrease by 57 percent to 65 percent and on-highway diesel PM emissions will decrease by 87 percent. As a result EPA has concluded that no further motor vehicle emission standards or fuel standards were necessary to further control MSATs.

### **2.2.2. Regional Analysis**

A regional or mesoscale analysis of a project determines a project's overall impact on regional air quality levels. This analysis uses regional VMT and vehicle hours traveled within the region with and without the project to determine daily pollutant burden levels.

### **2.2.3. Microscale CO Analysis**

Microscale air quality modeling was performed using the most recent version of the EPA mobile source emission factor model (MOBILE6.2) and the CAL3QHC (Version 2.0) air quality dispersion model to estimate future No Build (without the proposed project) and future Build (with the proposed project) CO levels at selected locations in the project area/corridor/region.

#### **Dispersion Model**

Mobile source models are the basic analytical tools used to estimate CO concentrations expected under given traffic, roadway geometry, and meteorological conditions. The mathematical expressions and formulations that comprise the various models attempt to describe an extremely complex physical phenomenon as closely as possible. The dispersion modeling program used in this project for estimating pollutant concentrations near roadway intersections is the CAL3QHC (Version 2.0) dispersion model developed by the EPA and released in 1992.

CAL3QHC is a Gaussian model recommended in the *EPA Guidelines for Modeling Carbon Monoxide from Roadway Intersections* (EPA-454/R-92-005). Gaussian models assume that the dispersion of pollutants downwind of a pollution source follows a normal distribution from the center of the pollution source.

Different emission rates occur when vehicles are stopped (idling), accelerating, decelerating, and moving at different average speeds. CAL3QHC simplifies these different emission rates into two components:

- Emissions when vehicles are stopped (idling) during the red phase of a signalized intersection
- Emissions when vehicles are in motion during the green phase of a signalized intersection

The CAL3QHC (Version 2.0) air quality dispersion model has undergone extensive testing by the EPA and has been found to provide reliable estimates of inert (nonreactive) pollutant concentrations resulting from motor vehicle emissions. A complete description of the model is



provided in the *User's Guide to CAL3QHC (Version 2.0): A Modeling Methodology for Predicting Pollutant Concentrations Near Roadway Intersections* (EPA-454/R-92-006).

### **Vehicular Emissions**

Vehicular emissions were estimated using the EPA MOBILE6.2 vehicular emission factor model. (*User's Guide to MOBILE6.2, Mobile Source Emission Factor Model*, Ann Arbor, Michigan, EPA420-R-02-028, October 2002). Input parameters were provided by MWCOG.

MOBILE6.2 is a mobile source emission estimate program that provides current and future estimates of emissions from highway motor vehicles. The latest in the MOBILE series, dating to 1978, MOBILE6.2, was designed by EPA to address a wide variety of air pollution modeling needs. This latest version of MOBILE differs significantly in both structure and data requirements from previous versions. MOBILE6.2 incorporates updated information on basic emission rates, more realistic driving patterns, separation of start and running emissions, improved correction factors, and changing fleet composition. It also includes impacts of new regulations promulgated since the model's previous version, MOBILE5b, was released. Input and output files for the Mobile6.2 program are included in Appendix B.

### **Site Selection and Receptor Locations**

A screening evaluation was performed to identify which intersections in the project area/corridor/region are most congested and most affected by the Build Alternatives. Fifty-eight locations were screened based on changes in intersection volumes, delay, and levels of service (LOS) from the No Build to the Build Alternatives. Sites fail the screening evaluation if the LOS decreases below D in one of the Build Alternatives as compared to the No Build Alternative, or if the delay and/or volume increase from the No Build to Build scenario along with a LOS below D.

Twenty of the 67 locations failed the screening analysis. Of these, 17 intersections were selected for detailed analysis. In addition, three free-flow sites were chosen for analysis (Table 2-4 and Figure 2-7).

For free-flow sites, the following locations were chosen based on nearby land use:

- Georgetown Branch Interim Trail right-of-way – west of MD 410 to Edgevale Court (FF1 on Figure 2-7)
- North Chevy Chase Elementary School – on Jones Bridge Road at Manor Road (FF2 on Figure 2-7)
- Rosemary Hills Elementary School – near Grace Church Road and Lanier Drive (FF3 on Figure 2-7)



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**Table 2-4: CO Microscale Analysis Locations**

<b>Preliminary Site #</b>	<b>Intersection Description</b>	<b>Neighborhood</b>
1	Woodmont Avenue and Battery Lane	Jones Bridge Road / Woodmont
2	Jones Bridge Road and Wisconsin Avenue / Rockville Pike	Jones Bridge Road / Woodmont
3	Jones Bridge Road and Connecticut Avenue / Kensington Parkway	Jones Bridge Road / Woodmont
4	Jones Bridge Road and Jones Mill Road	Jones Bridge Road / Woodmont
5	Second Avenue and Colesville Road	Downtown Silver Spring
6	Wayne Avenue and Cedar Street	East Silver Spring
7	Wayne Avenue and Dale Drive	East Silver Spring
8	Wayne Avenue and Sligo Creek Parkway	East Silver Spring
9	University Boulevard and Piney Branch Road	East Silver Spring
10	University Boulevard and New Hampshire Avenue	University Boulevard
11	Campus Drive and Adelphi Road	University Boulevard
12	Kenilworth Avenue at East West Highway (MD 410)	Riverdale Park
13	MD 410 at Baltimore-Washington Parkway Southbound Ramps	Riverdale Park
14	MD 410 at Baltimore-Washington Parkway Northbound Ramps	New Carrollton
15	Veterans Parkway at Annapolis Road	New Carrollton
16	Campus Drive and US 1	College Park
17	East Campus Entrance and US 1	College Park

### **Meteorological Conditions**

The transport and concentration of pollutants emitted from motor vehicles are influenced by three principal meteorological factors: wind direction, wind speed, and the atmosphere's profile. The values for these parameters were chosen to maximize pollutant concentrations at each prediction site (that is, to establish a conservative, worst-case situation).

- **Wind Direction.** Maximum CO concentrations normally are found when the wind is assumed to blow parallel to a roadway adjacent to the receptor location. At complex intersections, it is difficult to predict which wind angle will result in maximum concentrations. Therefore, the approximate wind angle that would result in maximum pollutant concentrations at each receptor location was used in the analysis. All wind angles from 0° to 360° (in 5° increments) were considered.
- **Wind Speed.** CO concentrations are greatest at low wind speeds. A conservative wind speed of one meter per second (2.2 miles per hour) was used to predict CO concentrations during peak traffic periods.

**Temperature and Profile of the Atmosphere.** A minimum temperature of 33° F, a maximum temperature of 53° F, a mixing height (the height in the atmosphere to which pollutants rise) of 1,000 meters, and neutral atmospheric stability (stability class D) conditions were used in estimating microscale CO concentrations. The selection of these meteorological parameters was

based on recommendations from the MWCOG. The CO levels estimated by the model are the maximum concentrations that could be expected to occur at each air quality receptor site analyzed given the assumed simultaneous occurrence of a number of worst-case conditions: peak-hour traffic conditions, conservative vehicular operating conditions, low wind speed, low atmospheric temperature, neutral atmospheric conditions, and maximizing wind direction.

### **Persistence Factor**

Peak eight-hour concentrations of CO were obtained by multiplying the highest peak hour CO estimates by a persistence factor. The persistence factor accounts for the following:

- Over eight-hours (as distinct from a single hour) vehicle volumes will fluctuate downward from the peak hour
- Vehicle speeds may vary
- Meteorological conditions, including wind speed and wind direction, will vary compared to the conservative assumptions used for the single hour

A persistence factor of 0.7 was used in this analysis. This factor is recommended by MWCOG and approved by EPA.

### **Background Concentrations**

Microscale modeling is used to predict CO concentrations resulting from emissions from motor vehicles using roadways immediately adjacent to the locations at which predictions are being made. A CO background level must be added to this value to account for CO entering the area from other sources upwind of the receptors. The CO background level should be located away from the influence of local traffic congestion.

Based on the recommendation of the Maryland State Highway Administration (SHA), a one-hour background level of 4.4 ppm and an eight-hour background level of 2.9 ppm were added to each analysis site.

### **Traffic Information**

Traffic data for the air quality analysis were derived from traffic counts and other information developed as part of an overall traffic analysis for the project using methodology accepted by the SHA. Output from the Synchro6 signal timing traffic model was used to obtain signal timing parameters. The microscale CO analysis was performed based on data from this analysis for the AM and PM peak traffic periods. These are the periods when maximum traffic volumes occur on local streets and when the greatest traffic and air quality effects of the proposed project are expected.

The percentages of each type of vehicle, for the existing and future year conditions, were determined using data for the Metropolitan Washington area provided by MWCOG. Vehicle speeds used in the analysis were obtained from traffic information developed for this project.



## Analysis Years

CO concentrations were predicted for the existing (2006), opening (2015), and design (2030) years for the project.

### 2.2.4. Project Level Emission Burden Assessment

The emission burden analysis of a project determines a project's overall impact on regional air quality levels. As shown in Table 2-5, an emission burden analysis based on the study area's 2030 VMT and vehicle hours traveled was conducted for each of the Build Alternatives and compared to the No Build Alternative. Emission factors were calculated using EPA's MOBILE6 mobile source emission factor program.

**Table 2-5: Project Level Emission Burden Assessment**

Alt	VMT	Pollutant (Kilograms per Day)					Percent Change from No Build				
		CO	NO <sub>x</sub>	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	NO <sub>x</sub>	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>
No Build	261,054,000	723,722	41,769	21,276	7,022	3,237	--	--	--	--	--
TSM	261,117,354	723,935	41,788	21,284	7,024	3,238	0.02%	0.05%	0.04%	0.03%	0.03%
Low BRT	261,009,354	723,634	41,769	21,275	7,021	3,237	-0.02%	0.00%	0.00%	-0.01%	-0.01%
Medium BRT	260,947,213	723,461	41,759	21,269	7,020	3,236	-0.04%	-0.02%	-0.03%	-0.04%	-0.04%
High BRT	260,886,284	723,291	41,748	21,264	7,018	3,235	-0.07%	-0.05%	-0.05%	-0.06%	-0.06%
Low LRT	260,867,000	723,254	41,739	21,261	7,017	3,235	-0.07%	-0.07%	-0.07%	-0.07%	-0.07%
Medium LRT	260,870,000	723,262	41,739	21,261	7,017	3,235	-0.07%	-0.07%	-0.07%	-0.07%	-0.07%
High LRT	260,877,000	723,281	41,740	21,261	7,018	3,235	-0.07%	-0.07%	-0.07%	-0.07%	-0.07%

CO=carbon monoxide; NO<sub>x</sub>=nitrogen oxides; VOC=volatile organic compounds; PM<sub>10</sub>=particulate matter (10 microns); PM<sub>2.5</sub>=fine particulate matter (2.5 microns).

The TSM Alternative is predicted to increase all regional pollution burden levels by 0.02 percent to 0.05 percent as compared to the No Build Alternative.

The Low Investment BRT Alternative is predicted to decrease CO, PM<sub>10</sub>, and PM<sub>2.5</sub> pollutant burden levels by 0.01 percent to 0.02 percent as compared to the No Build Alternative. NO<sub>x</sub> and VOC pollutant burden levels would remain unchanged as compared to the No Build Alternative.

The Medium Investment BRT Alternative is predicted to decrease all regional pollution burden levels by 0.02 percent to 0.04 percent as compared to the No Build Alternative.

The High Investment BRT Alternative is predicted to decrease all regional pollution burden levels by 0.05 percent to 0.07 percent as compared to the No Build Alternative.

The Low, Medium, and High Investment LRT Alternatives are predicted to decrease all regional pollutant burden levels by 0.07 percent as compared to the No Build Alternative.

All the predicted changes in regional pollutant burden levels due to the project are less than 0.08 percent, making them essentially immeasurable. Overall the project's predicted impact on regional pollutant levels range from minor positive to no impact.

#### **2.2.5. Microscale CO Assessment**

Maximum one-hour and eight-hour CO levels were predicted at receptor sites along the proposed project. Maximum 2015 one-hour CO concentrations are shown in Table 2-6. Maximum 2030 one-hour CO concentrations are shown in Table 2-7. Maximum eight-hour CO concentrations for 2015 and 2030 are shown in Table 2-8. MOBILE6 data used in the CO analysis are contained in Appendix B. CAL3QHC (Version 2) input and output information for each site is contained in Appendix C. No violations of the NAAQS are predicted under any alternative.

#### **2.2.6. PM<sub>2.5</sub> Assessment**

Following the guidelines in EPA's *Transportation Conformity Guidance for Qualitative Hot-Spot Analyses in PM<sub>2.5</sub> and PM<sub>10</sub> Nonattainment and Maintenance Areas (March 29, 2006, referred to as PM<sub>10</sub> Guidance)*, a PM<sub>2.5</sub> hot-spot analysis should be conducted according to qualitative guidance only if the project is a project of air quality concern, defined in 40 CFR 93.123(b)(1) as follows:

- i. New or expanded highway projects that have a significant number of or significant increase in diesel vehicles;
- ii. Projects affecting intersections that are at LOS D, E, or F with a significant number of diesel vehicles, or those that will change to LOS D, E, or F because of increased traffic volumes from a significant number of diesel vehicles;
- iii. New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location;
- iv. Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location; and
- v. Projects in or affecting locations, areas, or categories of sites which are identified in the PM<sub>2.5</sub> or PM<sub>10</sub> applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.



**Table 2-6: Predicted Worst-Case One-hour 2015 CO Concentrations (ppm)**

No.	Site Description	Existing		2015 No Build		2015 Low Invest. BRT		2015 Medium Invest. BRT		2015 High Invest. BRT		2015 Low Invest. LRT		2015 Medium Invest. LRT		2015 High Invest. LRT	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	Woodmont Avenue and Battery Lane	5.3	5.1	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0
2	Jones Bridge Road and Wisconsin Avenue / Rockville Pike	6.1	6.1	5.3	5.6	5.3	5.6	5.3	5.6	5.3	5.6	5.3	5.6	5.3	5.6	5.3	5.6
3	Jones Bridge Road and Connecticut Avenue / Kensington Parkway	5.8	6.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
4	Jones Bridge Road and Jones Mill Road	5.0	4.9	4.8	5.0	4.8	5.0	4.8	5.0	4.8	5.0	4.8	5.0	4.8	5.0	4.8	5.0
5	Second Avenue and Colesville Road	5.9	6.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
6	Wayne Avenue and Cedar Street	5.3	5.2	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0
7	Wayne Avenue and Dale Drive	5.1	5.1	4.6	4.8	4.6	4.9	4.6	4.8	4.6	4.9	4.6	4.8	4.6	4.8	4.6	4.8
8	Wayne Avenue and Sligo Creek Parkway	5.1	5.4	4.8	4.9	4.8	4.9	4.8	4.9	4.8	4.9	4.8	4.9	4.8	4.9	4.8	4.9
9	University Boulevard and Piney Branch Road	6.4	6.8	5.5	5.7	5.7	5.6	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
10	University Boulevard and New Hampshire Avenue	6.5	6.9	5.7	5.8	5.7	5.9	5.7	5.9	5.7	5.8	5.7	5.9	5.7	5.9	5.7	5.8
11	Campus Drive and Adelphi Road	6.8	7.8	5.9	6.4	5.9	6.4	5.9	6.4	5.9	6.4	5.9	6.4	5.9	6.4	5.9	6.4
12	Kenilworth Avenue at East West Highway (MD 410)	6.6	6.9	5.6	6.0	5.7	6.1	5.7	6.1	5.7	6.0	5.7	6.0	5.7	6.0	5.7	6.0
13	MD 410 at Baltimore-Washington Parkway southbound ramps	6.0	6.0	5.4	5.6	5.6	5.8	5.6	5.8	5.6	5.8	5.4	5.6	5.4	5.6	5.4	5.6
14	MD 410 at Baltimore-Washington Parkway northbound ramps	5.9	6.1	5.5	5.7	5.6	5.8	5.6	5.8	5.6	5.8	5.5	5.7	5.5	5.7	5.5	5.7
15	Veterans Parkway at Annapolis Road	7.6	6.8	6.0	5.7	5.8	5.6	5.8	5.6	5.8	5.6	6.1	5.8	6.1	5.8	6.1	5.8
16	Campus Drive and US 1	6.5	7.0	5.7	6.0	5.7	6.0	5.7	6.0	5.7	6.0	5.7	6.0	5.7	6.0	5.7	6.0
17	East Campus entrance and US 1	--	--	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
FF1	Georgetown Branch right-of-way	5.1	5.5	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2
FF2	North Chevy Chase Elementary School	4.8	4.8	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.7
FF3	Rosemary Hills Elementary School	4.7	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6

Concentrations include one-hour CO background = 4.4 ppm

One-hour CO Standard = 35 ppm



**Table 2-7: Predicted Worst-Case One-hour 2030 CO Concentrations (ppm)**

No.	Site Description	Existing		2030 No Build		2030 Low Invest. BRT		2030 Medium Invest. BRT		2030 High Invest. BRT		2030 Low Invest. LRT		2030 Medium Invest. LRT		2030 High Invest. LRT	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	Woodmont Avenue and Battery Lane	5.3	5.1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2	Jones Bridge Road and Wisconsin Avenue / Rockville Pike	6.1	6.1	5.2	5.5	5.2	5.5	5.2	5.5	5.2	5.5	5.2	5.5	5.2	5.5	5.2	5.5
3	Jones Bridge Road and Connecticut Avenue / Kensington Parkway	5.8	6.0	5.3	5.2	5.3	5.2	5.3	5.2	5.3	5.2	5.3	5.2	5.3	5.2	5.3	5.2
4	Jones Bridge Road and Jones Mill Road	5.0	4.9	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8
5	Second Avenue and Colesville Road	5.9	6.0	5.2	5.3	5.2	5.3	5.2	5.3	5.2	5.3	5.2	5.3	5.2	5.3	5.2	5.3
6	Wayne Avenue and Cedar Street	5.3	5.2	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8
7	Wayne Avenue and Dale Drive	5.1	5.1	4.5	4.7	4.5	4.7	4.5	4.7	4.5	4.7	4.5	4.7	4.5	4.7	4.5	4.7
8	Wayne Avenue and Sligo Creek Parkway	5.1	5.4	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8
9	University Boulevard and Piney Branch Road	6.4	6.8	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.6	5.5	5.6	5.5	5.6	5.5	5.6
10	University Boulevard and New Hampshire Avenue	6.5	6.9	5.5	5.7	5.5	5.8	5.5	5.8	5.5	5.7	5.5	5.8	5.5	5.8	5.5	5.7
11	Campus Drive and Adelphi Road	6.8	7.8	5.9	6.4	5.9	6.4	5.9	6.4	5.9	6.4	5.9	6.4	5.9	6.4	5.9	6.4
12	Kenilworth Avenue at East West Highway (MD 410)	6.6	6.9	5.5	5.9	5.6	6.0	5.6	6.0	5.5	6.1	5.7	6.1	5.7	6.1	5.6	5.8
13	MD 410 at Baltimore-Washington Parkway southbound ramps	6.0	6.0	5.4	5.5	5.4	5.7	5.4	5.7	5.4	5.7	5.4	5.6	5.4	5.6	5.4	5.6
14	MD 410 at Baltimore-Washington Parkway northbound ramps	5.9	6.1	5.5	5.6	5.5	5.9	5.5	5.9	5.5	5.9	5.5	5.7	5.5	5.7	5.5	5.7
15	Veterans Parkway at Annapolis Road	7.6	6.8	5.8	5.5	5.8	5.8	5.7	5.6	5.7	5.6	5.9	5.7	6.0	5.6	6.0	5.6
16	Campus Drive and US 1	6.5	7.0	5.7	5.8	5.7	5.8	5.7	5.8	5.7	5.8	5.7	5.8	5.7	5.8	5.7	5.8
17	East Campus entrance and US 1	--	--	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0
FF1	Georgetown Branch right-of-way	5.1	5.5	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2
FF2	North Chevy Chase Elementary School	4.8	4.8	4.6	4.7	4.7	4.7	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.7
FF3	Rosemary Hills Elementary School	4.7	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6

Concentrations include one-hour CO background = 4.4 ppm

One-hour CO Standard = 35 ppm





**Table 2-8: Predicted Worst-Case Eight-hour CO Concentrations (ppm)**

No.	Site Description	Existing	No Build		Low Invest. BRT		Medium Invest. BRT		High Invest. BRT		Low Invest. LRT		Medium Invest. LRT		High Invest. LRT	
			2015	2030	2015	2030	2015	2030	2015	2030	2015	2030	2015	2030	2015	2030
1	Woodmont Avenue and Battery Lane	3.53	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18
2	Jones Bridge Road and Wisconsin Avenue / Rockville Pike	4.09	3.74	3.67	3.74	3.67	3.74	3.67	3.74	3.67	3.74	3.67	3.74	3.67	3.74	3.67
3	Jones Bridge Road and Connecticut Avenue / Kensington Parkway	4.02	3.60	3.53	3.60	3.53	3.60	3.53	3.60	3.53	3.60	3.53	3.60	3.53	3.60	3.53
4	Jones Bridge Road and Jones Mill Road	3.32	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18
5	Second Avenue and Colesville Road	4.02	3.60	3.53	3.60	3.53	3.60	3.53	3.60	3.53	3.60	3.53	3.60	3.53	3.60	3.53
6	Wayne Avenue and Cedar Street	3.53	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18	3.32	3.18
7	Wayne Avenue and Dale Drive	3.39	3.18	3.11	3.18	3.11	3.18	3.12	3.18	3.11	3.18	3.11	3.18	3.12	3.18	3.11
8	Wayne Avenue and Sligo Creek Parkway	3.60	3.25	3.18	3.25	3.18	3.25	3.18	3.25	3.18	3.25	3.18	3.25	3.18	3.25	3.18
9	University Boulevard and Piney Branch Road	4.58	3.81	3.74	3.81	3.74	3.81	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74
10	University Boulevard and New Hampshire Avenue	4.65	3.88	3.81	3.95	3.88	3.95	3.88	3.88	3.81	3.95	3.88	3.95	3.88	3.88	3.81
11	Campus Drive and Adelphi Road	5.28	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
12	Kenilworth Avenue at East West Highway (MD 410)	4.65	4.02	3.95	4.09	4.02	4.09	4.02	4.02	4.09	4.02	3.95	4.02	3.95	4.02	3.95
13	MD 410 at Baltimore-Washington Parkway southbound ramps	4.02	3.74	3.67	3.88	3.81	3.88	3.81	3.88	3.81	3.74	3.74	3.74	3.74	3.74	3.74
14	MD 410 at Baltimore-Washington Parkway northbound ramps	4.09	3.81	3.74	3.88	3.95	3.88	3.95	3.88	3.95	3.81	3.81	3.81	3.81	3.81	3.81

**Table 2-8: Predicted Worst-Case Eight-hour CO Concentrations (ppm) (continued)**

No.	Site Description	Existing	No Build		Low Invest. BRT		Medium Invest. BRT		High Invest. BRT		Low Invest. LRT		Medium Invest. LRT		High Invest. LRT	
			2015	2030	2015	2030	2015	2030	2015	2030	2015	2030	2015	2030	2015	2030
15	Veterans Parkway at Annapolis Road	5.14	4.02	3.88	3.88	3.88	3.88	3.81	3.88	3.81	4.09	3.95	4.09	4.02	4.09	4.02
16	Campus Drive and US 1	4.72	4.02	3.88	4.02	3.88	4.02	3.88	4.02	3.88	4.02	3.88	4.02	3.88	4.02	3.88
17	East Campus entrance and US 1	--	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32
FF1	Georgetown Branch right-of-way	3.67	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46
FF2	North Chevy Chase Elementary School	3.18	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
FF3	Rosemary Hills Elementary School	3.11	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04	3.04

Concentrations include eight-hour CO background = 2.9 ppm

Eight-hour CO Standard = 9 ppm



Electric vehicles are proposed for the LRT Alternatives; thus, these alternatives are not predicted to affect PM<sub>2.5</sub> levels in the study area. Hybrid buses are proposed for the BRT Alternatives. It is currently assumed that these vehicles will be diesel hybrids. Since it has not been firmly established which particular vehicles will be purchased, it was conservatively assumed for this analysis that emission factors from traditional diesel vehicles would be used to estimate pollutant impacts of the BRT Alternatives. This is conservative because the hybrid buses will likely have lower particulate emissions than traditional diesel buses. Based on this, an analysis was conducted to determine if the BRT Alternatives for the project are alternatives of air quality concern.

Examples of projects of air quality concern that would be covered by 40 CFR 93.123(b)(1)(i) and (ii) include the following:

- A project on a new highway or expressway that serves a significant volume of diesel truck traffic, such as facilities with greater than 125,000 annual average daily traffic (AADT) where 8 percent or more of such AADT is diesel truck traffic;
- New exit ramps and other highway facility improvements to connect a highway or expressway to a major freight, bus, or intermodal terminal;
- Expansion of an existing highway or other facility that affects a congested intersection (operated at LOS D, E, or F) that has a significant increase in the number of diesel trucks; and
- Similar highway projects that involve a significant increase in the number of diesel transit buses and/or diesel trucks.

Examples of projects of air quality concern that would be covered by 40 CFR 93.123(b)(1)(iii) and (iv) include the following:

- A major new bus or intermodal terminal that is considered to be a regionally significant project under 40 CFR 93.101; and
- An existing bus or intermodal terminal that has a large vehicle fleet where the number of diesel buses increases by 50 percent or more, as measured by bus arrivals.

The BRT Alternatives do not affect roadways with more than 125,000 AADT and 8 percent trucks. The major roadways affected by the BRT Alternatives (University Boulevard, Wisconsin Avenue, and Piney Branch Road) have AADT well below 125,000 (Source: <http://www.sha.state.md.us/SHAServices/mapsBrochures/maps/OPPE/tvmaps.asp/>).

Based on current operation projections, the BRT Alternatives are assumed to provide up to 20 bus arrivals during a peak commuting hour. These buses will affect the five major bus transfer points within the project area/corridor/region (Bethesda, Silver Spring, Takoma/Langley, College Park, and New Carrollton). All these stations, with the exception of the College Park Station, have more than 50 bus arrivals during the peak hour; thus the BRT Alternatives would not increase the diesel bus arrivals by 50 percent or more at these stations. At the College Park Station, there are currently approximately 38 bus arrivals. Assuming there is no future growth in

the number of bus arrivals at this station, the BRT Alternative would increase bus arrivals by 50 percent at this location. Following the guidance set forth in 40 CFR 93.123(b)(1)(iv), the project is a project of air quality concern; thus, a qualitative analysis must be conducted.

### **Year of Peak Emission Burden**

As clarified in the preamble to the July 1, 2004, revision to the transportation conformity rule (64 FR 40056), the conformity rule requires that project-level analyses consider the year of expected peak emissions from the project. For PM<sub>2.5</sub>, this is expected to be a near-term year, such as the first year of operation of the project, because emission rates from diesel vehicles are predicted to substantially decline between the opening year (2015) and the design year (2030) and these decreases would more than offset any increase in projected traffic volumes. The decline in emissions in future years are due in part to improvements in tailpipe emissions, national vehicle emissions control programs, and the mandated use of ultra-low sulfur diesel fuel. As shown in the regional PM<sub>2.5</sub> emissions are much higher in current years than in future years. Since regional emissions are a good indicator of the overall emissions trends in the region, it is therefore expected that 2015 would be the year of peak emissions from the project and other emissions sources that affect the project area/corridor/region.

### **Representative Monitor**

The Beltsville monitor, also known as the Muirkirk monitor, is the closest monitor to the project area/corridor/region. It also has the highest AADT and truck percentages of all the monitors near the study area. The Beltsville monitor, therefore, is used as the worst-case representative monitor for the study area.

### **Monitored PM<sub>2.5</sub> Levels**

Table 2-9 highlights the latest three full years (2004 through 2006) of monitored values at the Beltsville monitor. The values are below the applicable annual NAAQS of 15 µg/m<sup>3</sup>. The values were below the former 24-hour standard of 65µg/m<sup>3</sup> in the years it was applicable. In December 2006, the new 24-hour standard of 35 µg/m<sup>3</sup> became effective but not yet enforceable. Based on the current 2006 information available, it appears that the monitored values at this monitor are below this new NAAQS.

**Table 2-9: PM<sub>2.5</sub> Monitored Data**

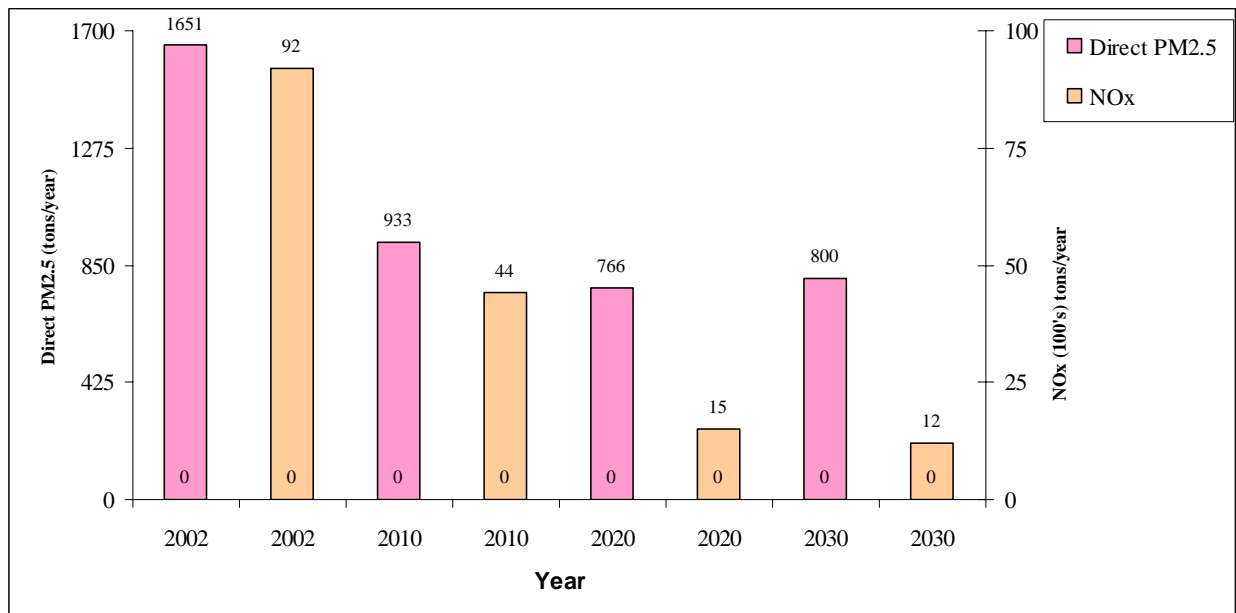
Time Period	NAAQS	Year		
		2004	2005	2006
Maximum 24-Hour	65 µg/m <sup>3</sup>	38	38	36
Mean Annual	15 µg/m <sup>3</sup>	12.6	13.4	11.5

Based on these data, the highest 98<sup>th</sup> percentile 24-hour monitored value is 38 µg/m<sup>3</sup>, which occurred in 2004 and 2005. This is 58 percent of the still currently applicable standard of 65 µg/m<sup>3</sup>.



### Future Scenario

As shown in Figure 2-8, direct PM<sub>2.5</sub> emissions are expected to substantially decrease in future years for the entire nonattainment area. This predicted decrease in emissions is due in large part to EPA’s Heavy-duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements – Final Rule, signed in December 2000. According to this rule, particulate matter emission levels are expected to be 90 percent lower on a per vehicle basis in 2030 than they were in 2000.



**Figure 2-8 PM<sub>2.5</sub> Emission Trends**

### Results

Based on the year of expected peak emissions, it was determined that the project opening year, 2015, represents the year for the potential worst-case impacts of the project.

Based on the site characteristics of the nearby PM<sub>2.5</sub> monitoring stations located in the metropolitan area, it was determined that the Beltsville monitor is the closest monitor to the study area. It is also the worst-case monitor because of its high traffic volumes and diesel truck percentages.

Values collected at this monitor from 2004 through 2006 do not violate the current applicable PM<sub>2.5</sub> NAAQS (annual or 24-hour). The 2015 project bus impacts on a per vehicle basis should be less than currently observed at the monitors, based on the implementation of national diesel engine and diesel sulfur fuel regulations that are expected to cut heavy-duty diesel emissions. Also it is proposed that hybrid buses will be used for this project. The hybrid buses are assumed to have lower PM<sub>2.5</sub> emissions than the traditional diesel buses conservatively being assumed in this analysis. In addition, control programs for other sources of PM<sub>2.5</sub> in the region, geared toward meeting the current 2010 attainment date for the PM<sub>2.5</sub> standard, are likely to improve air

quality in the project area/corridor/region. Also, as shown in Table 2-10, the project is predicted to lower overall VMT within the study area.

**Table 2-10: Regional VMT Comparison**

Alternative	VMT per Day	Percent Change from No Build
No Build	261,054,000	--
TSM	261,117,166	0.02%
Low Investment BRT	261,009,967	-0.02%
Medium Investment BRT	260,947,213	-0.04%
High Investment BRT	260,886,887	-0.06%
Low Investment LRT	260,867,000	-0.07%
Medium Investment LRT	260,870,000	-0.07%
High Investment LRT	260,877,000	-0.07%

Based on the analysis provided, it is determined that the project meets all the project-level PM<sub>2.5</sub> conformity requirements, and that the project will not cause or contribute to a new violation of the PM<sub>2.5</sub> NAAQS, or increase the frequency or severity of a violation for the following reasons:

- A monitor with comparable traffic characteristics and roadway influences to the project area/corridor/region in the year of estimated peak emissions is currently monitoring PM<sub>2.5</sub> concentrations that are below the annual and 24-hour standards.
- Vehicular emissions are expected to be reduced in the project area/corridor/region, as demonstrated by projected reductions in regional emissions, as well as by national projections by EPA reflecting the impacts of national emissions-control programs, such as the 2007 Heavy-Duty Diesel Rule.
- The project proposes to use hybrid buses, which are predicted to have lower PM<sub>2.5</sub> emission levels than current diesel buses.
- The project is predicted to reduce regional VMT levels as compared to the No Build Alternative.

#### **2.2.7. MSAT Assessment**

Electric vehicles are proposed for the LRT Alternatives; thus, these alternatives are not predicted to affect MSAT levels in the study area. Hybrid buses are proposed for the BRT Alternatives. It is currently assumed that these vehicles will be diesel hybrids. Since it has not been firmly established which particular vehicles will be purchased, it was conservatively assumed for this analysis that emission factors from traditional diesel buses will be used to estimate pollutant impacts of the BRT Alternatives. This is conservative because the proposed hybrid buses will likely have lower MSAT emissions than traditional diesel buses.

Technical shortcomings of emissions and dispersion models and uncertain science with respect to health effects prevent meaningful or reliable estimates of MSAT emissions and effects of this



project. However, even though reliable methods do not exist to accurately estimate the health impacts of MSATs at the project level, it is possible to qualitatively assess the levels of future MSAT emissions under the project. Although a qualitative analysis cannot identify and measure health impacts from MSATs, it can give a basis for identifying and comparing the potential differences in MSAT emissions, if any, from the alternatives. The qualitative assessment presented below is derived in part from a study conducted by the FHWA titled *A Methodology for Evaluating Mobile Source Air Toxic Emissions among Transportation Project Alternatives*, found at: [www.fhwa.dot.gov/environment/airtoxic/msatcompare/msatemissions.htm](http://www.fhwa.dot.gov/environment/airtoxic/msatcompare/msatemissions.htm).

Based on the recommended tiering approach detailed in the FHWA methodology, the project falls within the Tier 2 approach. The amount of MSATs emitted would be proportional to the VMT, assuming the vehicle mix does not change. As shown in Table 2-10, predicted regional VMT estimates indicate that all Build Alternatives would reduce regional VMT within the 0.02 percent to 0.04 percent range. The additional bus VMT portion of the overall regional VMT, under the BRT and TSM Alternatives, is less than 0.01 percent. These small changes cannot be considered measurable; thus the project is predicted to generally produce no meaningful regional MSAT effects.

The reconfigured travel lanes contemplated as part of the project alternatives may have the effect of moving some traffic closer to nearby homes, schools, and businesses; therefore, there may be localized areas where ambient concentrations of MSATs could be higher under the Build Alternatives than under the No Build Alternative. However, the magnitude and duration of these potential increases compared to the No Build Alternative cannot be accurately quantified because of the inherent deficiencies of current models. In sum, when new travel lanes are constructed, the localized level of MSAT emissions for the Build Alternatives, particularly the BRT Alternatives, could be higher relative to the No Build Alternative, but this could be offset due to increases in localized speeds and reductions in congestion (which are associated with lower MSAT emissions). Also, MSATs would be lower in other locations when traffic shifts away from them. However, on a regional basis, EPA's vehicle and fuel regulations coupled with fleet turnover will cause region-wide MSAT levels to be significantly lower than today in almost all cases.

Sensitive receptors include those facilities most likely to contain large concentrations of the more sensitive population. These include hospitals, schools, licensed day cares, and elder care facilities. Dispersion studies have shown that the roadway air toxics start to drop off at about 100 meters (328 feet). By 500 meters (1,640 feet), most studies have found it very difficult to distinguish the roadway from background toxic concentrations in any given area.

This air quality report includes a basic analysis of the likely MSAT emission impacts of this project. However, available technical tools do not enable us to predict project-specific health impacts of the emission changes associated with the project alternatives. As a result of these limitations, the following discussion is included in accordance with the Council on Environmental Quality's regulations (40 CFR 1502.22(b)) regarding incomplete or unavailable information.



### **Information that is Unavailable or Incomplete**

Evaluating the environmental and health impacts from MSATs on a proposed transportation project would involve several key elements, including emissions modeling, dispersion modeling to estimate ambient concentrations resulting from the estimated emissions, exposure modeling to estimate human exposure to the estimated concentrations, and then a final determination of health impacts based on the estimated exposure. Each of these steps is encumbered by technical shortcomings or uncertain science that prevents a more complete determination of the MSAT health impacts of this project.

- **Emissions:** The EPA tools to estimate MSAT emissions from motor vehicles are not sensitive to key variables determining emissions of MSATs in the context of transportation projects. While MOBILE6.2 is used to predict emissions at a regional level, it has limited applicability at the project level. MOBILE6.2 is a trip-based model—emission factors are projected based on a typical trip of 7.5 miles and on average speeds for this typical trip. This means that MOBILE6.2 does not have the ability to predict emission factors for a specific vehicle-operating condition at a specific location at a specific time. Because of this limitation, MOBILE6.2 can only approximate the operating speeds and levels of congestion likely to be present on the largest-scale projects and cannot adequately capture emissions effects of smaller projects. For particulate matter, the model results are not sensitive to average trip speed, although the other MSAT emission rates do change with changes in trip speed. Also, the emissions rates used in MOBILE6.2 for both particulate matter and MSATs are based on a limited number of tests of mostly older-technology vehicles. Lastly, in its discussions of PM under the conformity rule, EPA has identified problems with MOBILE6.2 as an obstacle to quantitative analysis. These deficiencies compromise the capability of MOBILE6.2 to estimate MSAT emissions. MOBILE6.2 is an adequate tool for projecting emissions trends, and performing relative analyses between alternatives for very large projects, but it is not sensitive enough to capture the effects of travel changes tied to smaller projects or to predict emissions near specific roadside locations.
- **Dispersion.** The tools to predict how MSATs disperse are also limited. The EPA's current regulatory models, CALINE3 and CAL3QHC, were developed and validated more than a decade ago for the purpose of predicting episodic concentrations of carbon monoxide to determine compliance with the NAAQS. The performance of dispersion models is more accurate for predicting maximum concentrations that can occur at some time at some location within a geographic area. This limitation makes it difficult to predict accurate exposure patterns at specific times at specific highway project locations across an urban area to assess potential health risk. The National Cooperative Highway Research Program recently finished research on best practices in applying models and other technical methods in the analysis of MSATs. This work focuses on identifying appropriate methods of documenting and communicating MSAT impacts in the NEPA process and to the general public. Analysis recommendations based on this research have not yet been issued by EPA. Along with these general limitations of dispersion models, FHWA is also faced with a lack of monitoring data in most areas for use in establishing project-specific MSAT background concentrations.



- **Exposure Levels and Health Effects.** Finally, even if emission levels and concentrations of MSATs could be accurately predicted, shortcomings in current techniques for exposure assessment and risk analysis preclude us from reaching meaningful conclusions about project-specific health impacts. Exposure assessments are difficult because it is difficult to accurately calculate annual concentrations of MSATs near roadways and to determine the portion of a year that people are actually exposed to those concentrations at a specific location. These difficulties are magnified for 70-year cancer assessments, particularly because unsupportable assumptions would have to be made regarding changes in travel patterns and vehicle technology (which affects emissions rates) over a 70-year period. Considerable uncertainties are also associated with the existing estimates of toxicity of the various MSATs because of factors such as low-dose extrapolation and translation of occupational exposure data to the general population. Because of these shortcomings, any calculated difference in health impacts among the alternatives is likely to be much smaller than the uncertainties associated with calculating the impacts. Consequently, the results of such assessments would not be useful to decision makers, who would need to weigh this information against other project impacts that are better suited for quantitative analysis.

### **Summary of Existing Credible Scientific Evidence Relevant to Evaluating the Impacts of MSATs**

Research on the health effects of MSATs is ongoing. For different emission types, a variety of studies show that some emissions either are statistically associated with adverse health outcomes through epidemiological studies (frequently based on emissions levels found in occupational settings) or that animals demonstrate adverse health outcomes when exposed to large doses.

Exposure to toxics has been a focus of a number of EPA efforts. Most notably, the agency conducted the National Air Toxics Assessment in 1996 to evaluate modeled estimates of human exposure applicable to the county level. While not intended for use as a measure of, or benchmark for, local exposure, the modeled estimates in the National Air Toxics Assessment database best illustrate the levels of various toxics when aggregated to a national or state level.

The EPA is in the process of assessing the risks of various kinds of exposures to these pollutants. The EPA Integrated Risk Information System is a database of human health effects that may result from exposure to various substances found in the environment. The Integrated Risk Information System database is located at <http://www.epa.gov/iris>.

There have been other studies that address MSAT health impacts in proximity to roadways. The Health Effects Institute, a non-profit organization funded by EPA, FHWA, and industry, has undertaken a major series of studies to research near-roadway MSAT hot spots, the health implications of the entire mix of mobile source pollutants, and other topics. The final summary of the series is not expected for several years.

Some recent studies have reported that proximity to roadways is related to adverse health outcomes – particularly respiratory problems<sup>1</sup>. Much of this research is not specific to MSATs, instead surveying the full spectrum of both criteria and other pollutants. The FHWA cannot evaluate the validity of these studies, but more importantly, the studies do not provide information that would be useful to alleviate the uncertainties listed above and enable us to perform a more comprehensive evaluation of the health impacts specific to this project.

### **Relevance of Unavailable or Incomplete Information**

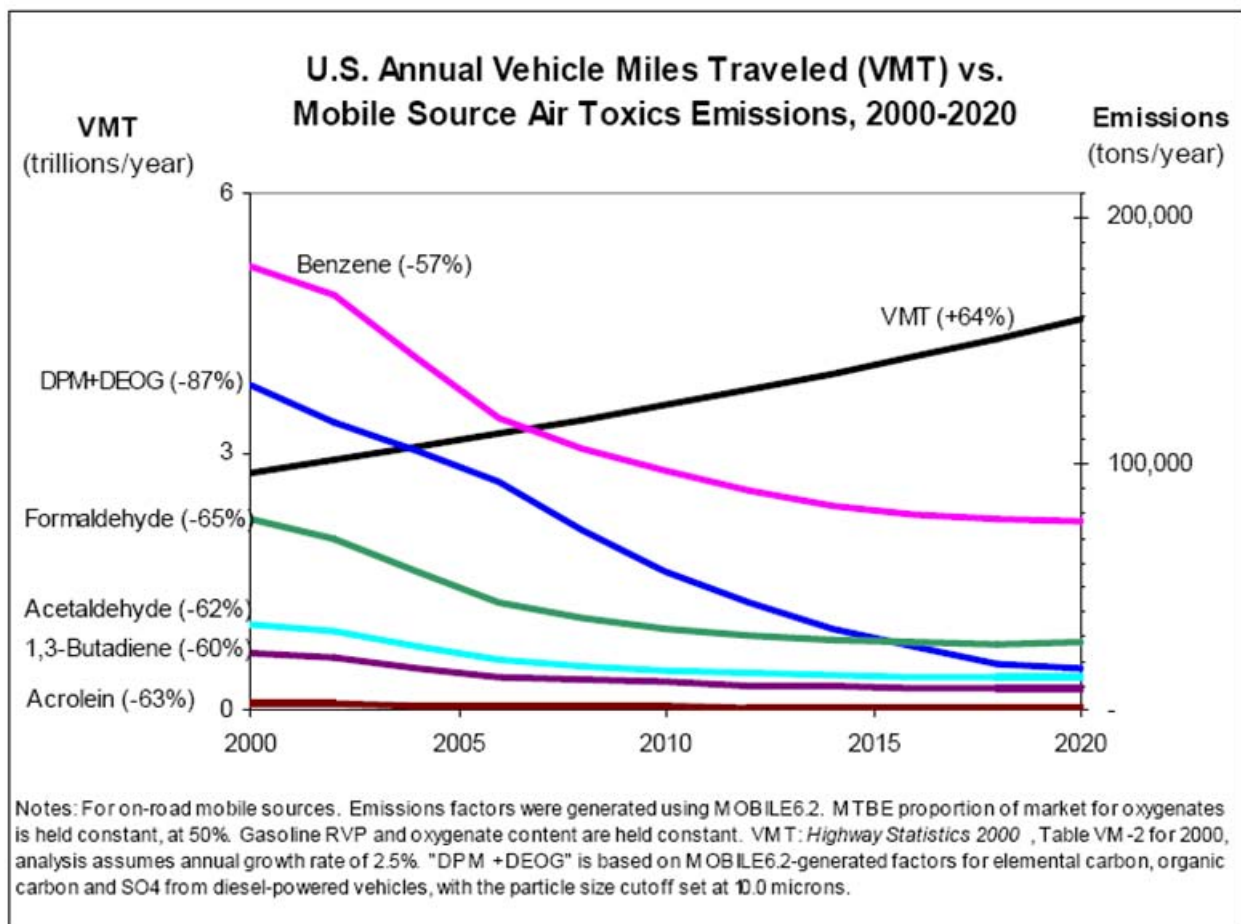
Because of the uncertainties outlined above, a quantitative assessment of the effects of air toxic emissions impacts on human health cannot be made at the project level. While available tools do allow us to reasonably predict relative emissions changes among alternatives for larger projects, the amount of MSAT emissions from each of the project alternatives and MSAT concentrations or exposures created by each of the project alternatives cannot be predicted with enough accuracy to be useful in estimating health impacts. (The current emissions model is not capable of serving as a meaningful emissions analysis tool for smaller projects). Therefore, the relevance of the unavailable or incomplete information is that it is not possible to make a determination of whether any of the alternatives would have significant adverse impacts on the human environment.

Emissions would likely be lower than present levels in the design year as a result of EPA's national control programs that are projected to reduce MSAT emissions by 57 to 87 percent between 2000 and 2020 (Figure 2-9). Local conditions may differ from these national projections in terms of fleet mix and turnover, VMT growth rates, and local control measures. However, the magnitude of the EPA-projected reductions is so great (even after accounting for VMT growth) that MSAT emissions in the study area are likely to be lower in the future in nearly all cases.

This document has provided a qualitative analysis of MSAT emissions relative to the various alternatives and has acknowledged that the Build Alternatives may increase exposure to MSAT emissions in certain locations, although the concentrations and duration of exposures are uncertain. Because of this uncertainty, the health effects from these emissions cannot be estimated.

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<sup>1</sup> South Coast Air Quality Management District, Multiple Air Toxic Exposure Study-II (2000); Highway Health Hazards, The Sierra Club (2004) summarizing 24 studies on the relationship between health and air quality; NEPA's Uncertainty in the Federal Legal Scheme Controlling Air Pollution from Motor Vehicles, Environmental Law Institute, 35 ELR 10273 (2005) with health studies cited therein.



**Figure 2-9: Projected MSAT Emissions and Traffic Volumes – 2000 - 2020**

### 2.2.8. Greenhouse Gas Assessment

CO<sub>2</sub> emission estimates are based on the amount of direct energy required for each alternative. The direct energy values represent the energy required for vehicle propulsion. This energy is a function of traffic characteristics such as volume, speed, distance traveled, vehicle mix, and thermal value of the fuel being used. The direct energy calculations also include the energy required to fuel the BRT Alternatives and power the LRT Alternatives. CO<sub>2</sub> emission coefficient factors are then applied to the energy estimates to determine the amount of CO<sub>2</sub> generated. For roadway energy a CO<sub>2</sub> emission coefficient of 156.425 lbs CO<sub>2</sub> per million BTU and 161.386 per million BTU were used for gasoline fueled vehicles and diesel fueled vehicles, respectively. A coefficient factor of 401.5 lbs CO<sub>2</sub> per million BTU was used for electrical power generation for the LRT. All coefficient factors were obtained from the Department of Energy, Energy Information Administration.

As shown in Table 2-11, CO<sub>2</sub> emission burdens under the Build Alternatives are predicted to demonstrate almost no change (less than 0.1 percent) as compared to the No Build Alternative. The BRT Alternatives are predicted to produce slightly lower CO<sub>2</sub> emission burdens as compared to the No Build Alternative and the LRT Alternatives are predicted to produce slightly higher CO<sub>2</sub> emission burdens. Considering the scale of these numbers and the very small predicted percent changes, difference in the predicted CO<sub>2</sub> emission burdens for the alternatives can be considered insignificant and are not measurably different from the No Build Alternative.

**Table 2-11: CO<sub>2</sub> Emission Burdens**

Alternative	Daily Direct Energy (million BTUs)	Total CO <sub>2</sub> (kg)	Percent Change from No Build
No Build	1,489,183	105,662,258	-
TSM	1,489,816	105,707,906	0.04%
Low Investment BRT	1,489,200	105,664,193	0.00%
Medium Investment BRT	1,488,840	105,638,656	-0.02%
High Investment BRT	1,488,495	105,614,187	-0.05%
Low Investment LRT	1,488,741	105,700,348	0.04%
Medium Investment LRT	1,488,751	105,700,348	0.04%
High Investment LRT	1,488,825	105,709,291	0.04%

## 2.3. Construction Impacts on Air Quality

In general, construction-related effects of the project would be limited to short-term increased fugitive dust and mobile-source emissions during construction. State and local regulations regarding dust control and other air quality emission reduction controls should be followed.

Once a preferred alternative is selected, a quantitative construction analysis should be conducted if it is determined that construction will go beyond five years at one location. This will help to ensure that the project does not cause or exacerbate a violation of the NAAQS, particularly the PM<sub>2.5</sub> and PM<sub>10</sub> standards, during construction.



### **2.3.1. Fugitive Dust Emissions**

Fugitive dust is airborne particulate matter, generally of a relatively large particulate size. Construction-related fugitive dust would be generated by haul trucks, concrete trucks, delivery trucks, and earth-moving vehicles operating around the construction sites. This fugitive dust would be caused by particulate matter that is re-suspended (kicked up) by vehicle movement over paved and unpaved roads, dirt tracked onto paved surfaces from unpaved areas at access points, and material blown from uncovered haul trucks.

Generally, the distance that particles drift from their source depends on their size, the emission height, and the wind speed. Small particles (30 to 100 micron range) can travel several hundred feet before settling to the ground. Most fugitive dust, however, is comprised of relatively large particles (that is, particles greater than 100 microns in diameter). These particles are responsible for the reduced visibility often associated with this type of construction. Given their relatively large size, these particles tend to settle within 20 to 30 feet of their source.

To minimize the amount of construction dust generated, the guidelines below should be followed. The following prevention and mitigation measures, consistent with the *DDOT Division 100 General Requirements*, should be taken to minimize the potential particulate pollution problem:

#### **Site Preparation**

- Minimize land disturbance
- Use watering trucks to minimize dust
- Cover trucks when hauling dirt
- Stabilize the surface of dirt piles if they are not removed immediately
- Use windbreaks to prevent accidental dust pollution
- Limit vehicular paths and stabilize temporary roads
- Pave all unpaved construction roads and parking areas to road grade for a length no less than 50 feet from where such roads and parking areas exit the construction site to prevent dirt from washing onto paved roadways

#### **Construction**

- Cover trucks when transferring materials
- Use dust suppressants on unpaved traveled paths
- Minimize unnecessary vehicular and machinery activities
- Minimize dirt track-out by washing or cleaning trucks before leaving the construction site. An alternative to this strategy is to pave a few hundred feet of the exit road just before entering the public road.



### **Post-Construction**

- Revegetate any disturbed land not used
- Remove unused material
- Remove dirt piles
- Revegetate all vehicular paths created during construction to avoid future off-road vehicular activities

#### **2.3.2. *Mobile Source Emissions***

Since CO emissions from motor vehicles generally increase with decreasing vehicle speed, disruption of traffic during construction (such as a temporary reduction of roadway capacity and increased queue lengths) could result in short-term, elevated concentrations of CO. To minimize the amount of emissions generated, every effort should be made during construction to limit disruption to traffic, especially during peak travel hours.

### **2.4. Conclusions**

The purpose and need of the project focuses on meeting the current and future regional transportation needs of the area. The project is not predicted to cause or exacerbate a violation of the NAAQS. The project is not expected to measurably increase regional emission burdens or MSAT levels. The project is also not expected to cause a violation of the PM<sub>2.5</sub> standard.

Construction-related effects of the project would be limited to short-term increased fugitive dust and mobile-source emissions during construction. State and local regulations regarding dust control and other air quality emission reduction controls should be followed. Once a preferred alternative is selected, a quantitative construction analysis should be conducted if it is determined that the construction will last longer than five years.





### 3. References

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## **Appendix A**

### **Monitored Ambient Air Quality Data**





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# Monitor Values Report - Criteria Air Pollutants

**Geographic Area:** District Of Columbia, Maryland, Virginia

**Pollutant:** Carbon Monoxide

**Year:** 2004, 2005, 2006

**EPA Air Quality Standards:**

Carbon Monoxide: 35 ppm (1-hour average), 9 ppm (8-hour average)

ppm = parts per million

46 Rows

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	CO (ppm)											
	1-Hour Values				8-Hour Values							
Row #	# Obs	1st Max	2nd Max	# Exceed	1st Max	2nd Max	# Exceed	Year	Site Address	City	County	State
<a href="#">SORT</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>
1	8,662	3.0	2.9	0	2.0	2.0	0	2004	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	VA
2	8,569	2.3	2.3	0	1.7	1.6	0	2005	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	VA
3	8,622	2.4	2.4	0	1.9	1.8	0	2006	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	VA
4	8,644	3.2	3.2	0	2.4	2.2	0	2004	S 18th And Hayes St		Arlington Co	VA
5	8,515	2.4	2.3	0	1.8	1.6	0	2005	S 18th And Hayes St		Arlington Co	VA
6	8,593	3.0	2.9	0	2.5	2.3	0	2006	S 18th And Hayes St		Arlington Co	VA
7	8,507	3.1	2.5	0	1.8	1.7	0	2004	Padonia E.S. 9834 Greenside Dr. Cockeysv	Cockeysville	Baltimore Co	MD
8	7,946	6.7	2.6	0	1.8	1.7	0	2005	Padonia E.S. 9834 Greenside Dr. Cockeysv	Cockeysville	Baltimore Co	MD
9	1,079	2.3	2.0	0	1.6	1.5	0	2006	Padonia E.S. 9834 Greenside Dr. Cockeysv	Cockeysville	Baltimore Co	MD
10	7,098	3.9	3.8	0	3.3	2.6	0	2006	Woodward And Franklin Roads Essex	Essex	Baltimore Co	MD
11	8,747	5.0	4.8	0	4.0	2.9	0	2004	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD
12	8,472	9.3	9.2	0	2.8	2.7	0	2005	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD
13	7,764	3.3	3.1	0	2.3	2.1	0	2006	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD
14	8,446	3.7	3.6	0	2.5	2.3	0	2004	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co	VA
15	8,683	2.1	1.8	0	1.6	1.4	0	2004	6507 Columbia Pike	Annandale	Fairfax Co	VA
16	7,933	1.6	1.6	0	1.3	1.2	0	2004	Sta. 46-B9, Lee Park, Telegraph Road	Franconia	Fairfax Co	VA



17	8,707	1.6	1.6	0	1.4	1.2	0	2004	Cub Run Lee Rd Chant.(Cubrun Treat Plant		Fairfax Co	VA
18	8,640	2.7	1.7	0	1.5	1.5	0	2005	Cub Run Lee Rd Chant.(Cubrun Treat Plant		Fairfax Co	VA
19	8,667	2.6	2.5	0	2.0	1.9	0	2005	Lewinsville 1437 Balls Hill Rd	McLean	Fairfax Co	VA
20	8,701	1.9	1.6	0	1.4	1.3	0	2005	6507 Columbia Pike	Annandale	Fairfax Co	VA
21	8,510	2.0	1.9	0	1.7	1.3	0	2005	Sta. 46-B9, Lee Park, Telegraph Road	Franconia	Fairfax Co	VA
22	8,392	2.9	2.7	0	2.0	2.0	0	2006	Lewinsville 1437 Balls Hill Rd	McLean	Fairfax Co	VA
23	8,229	1.5	1.4	0	1.3	1.2	0	2006	Cub Run Lee Rd Chant.(Cubrun Treat Plant		Fairfax Co	VA
24	8,659	2.4	2.2	0	1.9	1.8	0	2006	Sta. 46-B9, Lee Park, Telegraph Road	Franconia	Fairfax Co	VA
25	8,653	2.3	2.1	0	1.7	1.2	0	2006	6507 Columbia Pike	Annandale	Fairfax Co	VA
26	8,667	3.1	2.6	0	1.8	1.7	0	2004	700 Shell Road	Hampton	Hampton city	VA
27	8,619	4.8	3.6	0	1.8	1.8	0	2005	700 Shell Road	Hampton	Hampton city	VA
28	8,623	4.0	3.4	0	3.1	2.5	0	2006	700 Shell Road	Hampton	Hampton city	VA
29	8,657	3.0	3.0	0	2.6	2.5	0	2004	Norfolk State University	Norfolk	Norfolk city	VA
30	8,533	3.9	3.8	0	3.2	3.0	0	2004	600 Church Street	Norfolk	Norfolk city	VA
31	1,455	2.9	2.8	0	2.3	2.1	0	2006	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
32	8,713	3.6	3.3	0	1.9	1.9	0	2004	7341 Forest Hill Avenue	Richmond	Richmond city	VA
33	8,581	3.5	3.3	0	2.3	2.1	0	2004	158-W, Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city	VA
34	8,516	2.8	2.8	0	2.4	2.0	0	2005	158-W, Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city	VA
35	8,701	3.2	3.2	0	1.9	1.8	0	2005	7341 Forest Hill Avenue	Richmond	Richmond city	VA
36	8,654	3.2	3.0	0	2.3	1.7	0	2006	158-W, Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city	VA
37	3,077	2.8	2.7	0	2.0	1.8	0	2006	7341 Forest Hill Avenue	Richmond	Richmond city	VA
38	6,518	2.8	2.8	0	2.0	1.8	0	2004	2020 Oakland Blvd, Nw	Roanoke	Roanoke city	VA
39	8,151	3.1	3.0	0	2.4	2.2	0	2005	2020 Oakland Blvd, Nw	Roanoke	Roanoke city	VA
40	8,457	3.0	2.9	0	2.1	2.0	0	2006	2020 Oakland Blvd, Nw	Roanoke	Roanoke city	VA
41	8,736	3.8	3.4	0	2.4	2.4	0	2004	Verizon Phone Co. L St. Bet 20th & 21st	Washington	Washington city	DC
42	8,622	4.1	4.0	0	3.5	3.4	0	2004	34th. And Dix Streets, N.E.	Washington	Washington city	DC
43	8,704	4.1	3.8	0	3.3	3.2	0	2005	34th. And Dix Streets, N.E.	Washington	Washington city	DC
44	8,672	3.0	2.9	0	2.1	1.9	0	2005	Verizon Phone Co. L St. Bet 20th & 21st	Washington	Washington city	DC

45	8,721	4.5	4.0	0	3.4	3.3	0	2006	34th. And Dix Streets, N.E.	Washington	Washington city	DC
46	8,706	10.3	3.2	0	2.6	2.3	0	2006	Verizon Phone Co. L St. Bet 20th & 21st	Washington	Washington city	DC
Grand Total				0			0	2005				
				0			0	2004				
				0			0	2006				

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## Monitor Values Report - Criteria Air Pollutants

**Geographic Area:** District Of Columbia, Maryland, Virginia**Pollutant:** Nitrogen Dioxide**Year:** 2004, 2005, 2006**EPA Air Quality Standards:**

Nitrogen Dioxide: 0.053 ppm (annual mean)

ppm = parts per million

58 Rows

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	NO2 (ppm)										
	1-Hour Values			Annual							
Row #	# Obs	1st Max	2nd Max	Mean	# Exceed	Year	Site Address	City	County	State	
<a href="#">SORT</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	<a href="#">▲ ▼</a>	
1	8,503	0.076	0.075	0.024	0	2004	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	VA	
2	7,064	0.076	0.074	0.024	0	2005	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	VA	
3	6,914	0.061	0.059	0.020	0	2006	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	VA	
4	8,440	0.073	0.072	0.022	0	2004	S 18th And Hayes St		Arlington Co	VA	
5	7,852	0.074	0.071	0.021	0	2005	S 18th And Hayes St		Arlington Co	VA	
6	8,320	0.078	0.075	0.018	0	2006	S 18th And Hayes St		Arlington Co	VA	
7	8,147	0.073	0.061	0.015	0	2004	Woodward And Franklin Roads Essex	Essex	Baltimore Co	MD	
8	7,536	0.083	0.066	0.015	0	2005	Woodward And Franklin Roads Essex	Essex	Baltimore Co	MD	
9	4,670	0.054	0.051	0.013	0	2006	Woodward And Franklin Roads Essex	Essex	Baltimore Co	MD	
10	8,043	0.068	0.068	0.023	0	2004	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD	
11	8,278	0.091	0.079	0.022	0	2005	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD	
12	8,259	0.104	0.086	0.021	0	2006	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD	
13	2,648	0.021	0.019	0.003	0	2004	U.S. Geodetic Survey, Off Rt.2, Corbin		Caroline Co	VA	
14	8,267	0.102	0.085	0.011	0	2004	Shirley Plantation, Route 5		Charles City Co	VA	
15	8,449	0.075	0.074	0.010	0	2005	Shirley Plantation, Route 5		Charles City Co	VA	
16	8,465	0.088	0.074	0.010	0	2006	Shirley Plantation, Route 5		Charles City Co	VA	
17	7,801	0.097	0.073	0.018	0	2004	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co	VA	
18	8,158	0.067	0.065	0.017	0	2004	6507 Columbia Pike	Annandale	Fairfax Co	VA	
19	8,676	0.060	0.051	0.010	0	2004	Cub Run Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co	VA	
20	8,683	0.075	0.067	0.018	0	2005	6507 Columbia Pike	Annandale	Fairfax Co	VA	

21	8,530	0.071	0.067	0.017	0	2005	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co	VA
22	7,100	0.057	0.052	0.010	0	2005	Cub Run Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co	VA
23	8,479	0.048	0.046	0.008	0	2006	Cub Run Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co	VA
24	8,559	0.070	0.067	0.015	0	2006	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co	VA
25	8,530	0.065	0.063	0.015	0	2006	6507 Columbia Pike	Annandale	Fairfax Co	VA
26	4,223	0.027	0.026	0.005	0	2004	Piney Reservoir, Piney Run Road, Finzel,		Garrett Co	MD
27	1,533	0.047	0.046	0.008	0	2005	Piney Reservoir, Piney Run Road, Finzel,		Garrett Co	MD
28	7,457	0.034	0.030	0.004	0	2006	Piney Reservoir, Piney Run Road, Finzel,		Garrett Co	MD
29	2,894	0.026	0.024	0.006	0	2004	3538 Aldino Road Aldino Md		Harford Co	MD
30	4,341	0.043	0.038	0.006	0	2005	3538 Aldino Road Aldino Md		Harford Co	MD
31	5,101	0.048	0.045	0.006	0	2006	3538 Aldino Road Aldino Md		Harford Co	MD
32	7,108	0.052	0.052	0.015	0	2004	38-I, Broad Run High School, Ashburn		Loudoun Co	VA
33	7,561	0.056	0.055	0.014	0	2005	38-I, Broad Run High School, Ashburn		Loudoun Co	VA
34	8,092	0.062	0.061	0.013	0	2006	38-I, Broad Run High School, Ashburn		Loudoun Co	VA
35	8,638	0.068	0.061	0.016	0	2004	Norfolk State University	Norfolk	Norfolk city	VA
36	4,195	0.043	0.039	0.011	0	2005	12003 Old Baltimore Pike, Beltsville, Ma	Beltsville	Prince George's Co	MD
37	7,434	0.052	0.051	0.011	0	2006	12003 Old Baltimore Pike, Beltsville, Ma	Beltsville	Prince George's Co	MD
38	8,534	0.059	0.044	0.010	0	2004	James S. Long Park		Prince William Co	VA
39	8,291	0.056	0.047	0.009	0	2005	James S. Long Park		Prince William Co	VA
40	8,555	0.037	0.037	0.007	0	2006	James S. Long Park		Prince William Co	VA
41	8,627	0.070	0.070	0.015	0	2004	158-W, Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city	VA
42	8,231	0.073	0.071	0.016	0	2005	158-W, Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city	VA
43	8,189	0.065	0.064	0.016	0	2006	158-W, Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city	VA
44	6,672	0.060	0.056	0.014	0	2004	East Vinton Elementary School	Vinton	Roanoke Co	VA
45	6,645	0.046	0.046	0.014	0	2005	East Vinton Elementary School	Vinton	Roanoke Co	VA
46	8,629	0.052	0.050	0.012	0	2006	East Vinton Elementary School	Vinton	Roanoke Co	VA
47	6,134	0.050	0.046	0.015	0	2004	Vdot Residency Shop, 3536 North Valley P		Rockingham Co	VA
48	8,570	0.054	0.053	0.014	0	2005	Vdot Residency Shop, 3536 North Valley P		Rockingham Co	VA
49	7,262	0.058	0.048	0.012	0	2006	Vdot Residency Shop, 3536 North Valley P		Rockingham Co	VA
50	8,535	0.115	0.106	0.021	0	2004	34th. And Dix Streets, N.E.	Washington	Washington city	DC
51	8,712	0.078	0.076	0.022	0	2004	S.E. End Mcmillian Reservoir, Wash. Dc.	Washington	Washington city	DC
52	8,713	0.069	0.069	0.021	0	2004	Takoma Sc. Piney Branch Rd & Dahlia St N	Washington	Washington city	DC
53	8,474	0.115	0.105	0.021	0	2005	34th. And Dix Streets, N.E.	Washington	Washington city	DC
54	8,536	0.080	0.074	0.022	0	2005	S.E. End Mcmillian Reservoir,	Washington	Washington city	DC

							Wash. Dc.			
55	8,491	0.112	0.074	0.019	0	2005	Takoma Sc. Piney Branch Rd & Dahlia St N	Washington	Washington city	DC
56	8,681	0.066	0.063	0.017	0	2006	Takoma Sc. Piney Branch Rd & Dahlia St N	Washington	Washington city	DC
57	8,709	0.119	0.099	0.016	0	2006	34th. And Dix Streets, N.E.	Washington	Washington city	DC
58	8,669	0.079	0.078	0.019	0	2006	S.E. End Mcmillian Reservoir, Wash. Dc.	Washington	Washington city	DC
Grand Total					0	2005				
					0	2004				
					0	2006				

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**U.S. Environmental Protection Agency**

## Monitor Values Report - Criteria Air Pollutants

**Geographic Area:** District Of Columbia, Maryland, Virginia

**Pollutant:** Ozone

**Year:** 2004, 2005, 2006

### EPA Air Quality Standards:

Ozone: 0.12 ppm (1-hour average), 0.08 ppm (8-hour average)

ppm = parts per million

132 Rows

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	O3 (ppm)																				
	1-Hour Values										8-Hour Values										
Row #	1st Max	2nd Max	3rd Max	4th Max	# Exceed-Actual	# Exceed-Estimated	Required Days	# Days	% Days	Missing Days	1st Max	2nd Max	3rd Max	4th Max	Days ≥ Std	Required Days	# Days	% Days	Year	Site Address	
<a href="#">SORT</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>
1	0.135	0.106	0.098	0.097	1	1.0	214	207	97	2	0.109	0.093	0.092	0.080	3	214	205	96	2004	517 N Saint Asaph St, Alexandria Health	
2	0.107	0.104	0.103	0.098	0	0.0	214	208	97	2	0.089	0.086	0.081	0.081	2	214	207	97	2005	517 N Saint Asaph St, Alexandria Health	
3	0.138	0.123	0.115	0.109	1	1.0	214	207	97	2	0.118	0.098	0.094	0.084	3	214	205	96	2006	517 N Saint Asaph St, Alexandria Health	
4	0.109	0.101	0.099	0.096	0	0.0	214	203	95	1	0.102	0.091	0.089	0.088	4	214	203	95	2004	Davidsonville Family Recreation Center 3	
5	0.121	0.098	0.098	0.095	0	0.0	214	212	99	0	0.107	0.090	0.088	0.087	5	214	212	99	2004	9001 'Y' Street, Ft. Meade, Anne Arundel Md	
6	0.114	0.112	0.112	0.110	0	0.0	214	208	97	1	0.094	0.094	0.091	0.091	9	214	207	97	2005	Davidsonville Family Recreation Center 3	
7	0.124	0.111	0.107	0.105	0	0.0	214	212	99	2	0.105	0.094	0.094	0.092	7	214	211	99	2006	Davidsonville Family Recreation Center 3	
8	0.111	0.109	0.107	0.100	0	0.0	214	213	100	1	0.101	0.097	0.095	0.087	4	214	213	100	2004	S 18th And Hayes St	
9	0.114	0.106	0.102	0.102	0	0.0	214	210	98	4	0.094	0.090	0.090	0.088	5	214	211	99	2005	S 18th And Hayes St	



10	0.122	0.111	0.111	0.106	0	0.0	214	214	100	0	0.101	0.097	0.095	0.085	5	214	214	100	2006	S 18th And Hayes St
11	0.099	0.095	0.093	0.093	0	0.0	214	214	100	0	0.085	0.084	0.081	0.077	1	214	213	100	2004	Padonia E.S. 9834 Greenside Dr. Cockeysv
12	0.117	0.101	0.100	0.097	0	0.0	214	213	100	1	0.103	0.088	0.081	0.080	2	214	213	100	2004	Woodward And Franklin Roads Essex
13	0.136	0.109	0.104	0.101	1	1.0	214	212	99	2	0.113	0.097	0.092	0.088	6	214	209	98	2005	Woodward And Franklin Roads Essex
14	0.114	0.106	0.100	0.093	0	0.0	214	208	97	0	0.090	0.089	0.084	0.078	2	214	208	97	2005	Padonia E.S. 9834 Greenside Dr. Cockeysv
15	0.112	0.104	0.100	0.099	0	0.0	214	213	100	1	0.095	0.085	0.082	0.081	2	214	212	99	2006	Padonia E.S. 9834 Greenside Dr. Cockeysv
16	0.137	0.124	0.114	0.111	1	1.0	214	213	100	1	0.110	0.105	0.098	0.091	9	214	213	100	2006	Woodward And Franklin Roads Essex
17	0.100	0.090	0.083	0.073	0	0.0	73	71	97	0	0.085	0.078	0.074	0.066	1	73	71	97	2006	Furley E.S. Rec Cntr, 4633 Furley Ave.,
18	0.112	0.101	0.098	0.096	0	0.0	214	193	90	1	0.092	0.086	0.082	0.082	2	214	191	89	2005	350 Stafford Road Barstow Maryland
19	0.104	0.100	0.097	0.097	0	0.0	214	214	100	0	0.090	0.087	0.086	0.083	3	214	214	100	2006	350 Stafford Road Barstow Maryland
20	0.099	0.096	0.093	0.092	0	0.0	214	214	100	0	0.086	0.077	0.077	0.075	1	214	213	100	2004	U.S. Geodetic Survey, Off Rt.2, Corbin
21	0.109	0.107	0.105	0.095	0	0.0	214	199	93	2	0.093	0.090	0.083	0.082	2	214	197	92	2005	U.S. Geodetic Survey, Off Rt.2, Corbin
22	0.108	0.102	0.100	0.098	0	0.0	214	212	99	2	0.087	0.087	0.086	0.085	5	214	212	99	2006	U.S. Geodetic Survey, Off Rt.2, Corbin
23	0.115	0.093	0.091	0.088	0	0.0	214	205	96	3	0.097	0.083	0.079	0.079	1	214	204	95	2004	1300 W. Old Liberty Road Winfield Md
24	0.111	0.106	0.104	0.103	0	0.0	214	212	99	2	0.091	0.090	0.090	0.087	5	214	211	99	2005	1300 W. Old Liberty Road Winfield Md
25	0.122	0.103	0.093	0.092	0	0.0	214	211	99	0	0.104	0.083	0.082	0.082	1	214	211	99	2006	1300 W. Old Liberty Road Winfield Md
26	0.120	0.099	0.098	0.097	0	0.0	214	205	96	0	0.098	0.087	0.085	0.083	3	214	204	95	2004	Rte.273 Fair Hill Ceil Co. Maryland
27	0.150	0.138	0.113	0.108	2	2.0	214	211	99	1	0.111	0.097	0.096	0.095	9	214	210	98	2005	Rte.273 Fair Hill Ceil Co. Maryland
28	0.114	0.113	0.112	0.109	0	0.0	214	187	87	0	0.101	0.101	0.096	0.092	6	214	187	87	2006	Rte.273 Fair Hill Ceil Co. Maryland
29	0.110	0.099	0.090	0.088	0	0.0	214	214	100	0	0.091	0.082	0.078	0.077	1	214	214	100	2004	Shirley Plantation, Route 5
30	0.116	0.107	0.106	0.100	0	0.0	214	210	98	4	0.095	0.091	0.085	0.083	3	214	209	98	2005	Shirley Plantation, Route 5

31	0.118	0.117	0.107	0.105	0	0.0	214	212	99	2	0.090	0.088	0.087	0.081	3	214	211	99	2006	Shirley Plantation, Route 5
32	0.104	0.098	0.095	0.092	0	0.0	214	205	96	0	0.097	0.084	0.083	0.083	1	214	204	95	2004	Oaks Road Hughesville Md
33	0.116	0.104	0.103	0.101	0	0.0	214	212	99	2	0.097	0.094	0.092	0.089	6	214	211	99	2005	Oaks Road Hughesville Md
34	0.116	0.112	0.100	0.096	0	0.0	214	214	100	0	0.099	0.094	0.089	0.085	4	214	213	100	2006	Oaks Road Hughesville Md
35	0.091	0.090	0.085	0.083	0	0.0	214	213	100	1	0.078	0.077	0.075	0.075	0	214	213	100	2004	Beach,Intersection Of Co.Roads 655 & 654
36	0.113	0.106	0.095	0.095	0	0.0	214	214	100	0	0.105	0.084	0.082	0.078	1	214	212	99	2005	Beach,Intersection Of Co.Roads 655 & 654
37	0.106	0.102	0.090	0.089	0	0.0	214	213	100	1	0.091	0.090	0.079	0.077	2	214	212	99	2006	Beach,Intersection Of Co.Roads 655 & 654
38	0.140	0.115	0.112	0.106	1	1.0	214	214	100	0	0.123	0.099	0.097	0.093	6	214	214	100	2004	Mt.Vernon 2675 Sherwood Hall Lane
39	0.138	0.105	0.105	0.104	1	1.0	214	214	100	0	0.121	0.096	0.094	0.092	5	214	213	100	2004	Sta. 46-B9, Lee Park, Telegraph Road
40	0.129	0.103	0.095	0.094	1	1.0	214	213	100	1	0.109	0.094	0.086	0.084	3	214	213	100	2004	Lewinsville 1437 Balls Hill Rd
41	0.117	0.100	0.096	0.090	0	0.0	214	214	100	0	0.105	0.087	0.087	0.079	3	214	214	100	2004	Cub Run Lee Rd Chant. (Cubrun Treat Plant
42	0.110	0.107	0.104	0.102	0	0.0	214	212	99	2	0.098	0.095	0.091	0.091	4	214	212	99	2004	6507 Columbia Pike
43	0.107	0.097	0.096	0.091	0	0.0	214	212	99	0	0.084	0.077	0.076	0.076	0	214	212	99	2005	Cub Run Lee Rd Chant. (Cubrun Treat Plant
44	0.122	0.099	0.097	0.097	0	0.0	214	214	100	0	0.093	0.093	0.081	0.080	2	214	214	100	2005	Lewinsville 1437 Balls Hill Rd
45	0.116	0.107	0.103	0.102	0	0.0	214	214	100	0	0.097	0.093	0.089	0.085	4	214	214	100	2005	6507 Columbia Pike
46	0.111	0.109	0.104	0.103	0	0.0	214	178	83	2	0.095	0.092	0.088	0.088	6	214	177	83	2005	Sta. 46-B9, Lee Park, Telegraph Road
47	0.115	0.105	0.104	0.102	0	0.0	214	209	98	0	0.094	0.093	0.092	0.091	8	214	209	98	2005	Mt.Vernon 2675 Sherwood Hall Lane
48	0.121	0.111	0.102	0.100	0	0.0	214	214	100	0	0.100	0.092	0.090	0.088	6	214	214	100	2006	Lewinsville 1437 Balls Hill Rd
49	0.115	0.102	0.096	0.095	0	0.0	214	212	99	2	0.092	0.087	0.085	0.085	4	214	211	99	2006	6507 Columbia Pike
50	0.143	0.142	0.108	0.106	2	2.0	214	214	100	0	0.125	0.116	0.094	0.088	6	214	214	100	2006	Mt.Vernon 2675 Sherwood Hall Lane
51	0.126	0.125	0.120	0.110	2	2.0	214	209	98	0	0.109	0.107	0.099	0.087	7	214	207	97	2006	Sta. 46-B9, Lee Park, Telegraph Road
52	0.097	0.097	0.093	0.093	0	0.0	214	205	96	0	0.088	0.086	0.082	0.081	2	214	205	96	2006	Cub Run Lee Rd Chant. (Cubrun Treat Plant
53	0.099	0.092	0.080	0.078	0	0.0	214	209	98	0	0.091	0.088	0.071	0.071	2	214	209	98	2004	Rt651 C Phelps Wildlife Management Area

54	0.085	0.082	0.080	0.078	0	0.0	214	213	100	1	0.075	0.074	0.073	0.073	0	214	212	99	2005	Rt651 C Phelps Wildlife Management Area
55	0.103	0.102	0.082	0.081	0	0.0	214	213	100	1	0.093	0.086	0.078	0.076	2	214	212	99	2006	Rt651 C Phelps Wildlife Management Area
56	0.096	0.087	0.078	0.076	0	0.0	214	214	100	0	0.089	0.074	0.070	0.066	1	214	214	100	2004	Rte 669, Butler Manuf. Co Near Rest Va
57	0.108	0.102	0.095	0.094	0	0.0	214	202	94	0	0.095	0.084	0.079	0.077	1	214	202	94	2004	Frederick County Airport, 111 Airport Dr
58	0.096	0.095	0.092	0.090	0	0.0	214	202	94	0	0.086	0.084	0.083	0.080	1	214	200	93	2005	Frederick County Airport, 111 Airport Dr
59	0.092	0.086	0.086	0.085	0	0.0	214	214	100	0	0.081	0.080	0.077	0.075	0	214	211	99	2005	Rte 669, Butler Manuf. Co Near Rest Va
60	0.103	0.084	0.082	0.082	0	0.0	214	213	100	1	0.088	0.076	0.074	0.074	1	214	213	100	2006	Rte 669, Butler Manuf. Co Near Rest Va
61	0.111	0.096	0.096	0.091	0	0.0	214	214	100	0	0.088	0.086	0.085	0.085	4	214	213	100	2006	Frederick County Airport, 111 Airport Dr
62	0.086	0.085	0.081	0.079	0	0.0	214	181	85	3	0.078	0.077	0.074	0.074	0	214	174	81	2004	Piney Reservoir, Piney Run Road, Finzel,
63	0.100	0.091	0.086	0.085	0	0.0	214	204	95	1	0.089	0.082	0.082	0.079	1	214	203	95	2005	Piney Reservoir, Piney Run Road, Finzel,
64	0.088	0.086	0.083	0.081	0	0.0	214	212	99	2	0.079	0.075	0.075	0.073	0	214	212	99	2006	Piney Reservoir, Piney Run Road, Finzel,
65	0.094	0.090	0.086	0.086	0	0.0	214	211	99	0	0.085	0.078	0.077	0.074	1	214	211	99	2004	700 Shell Road
66	0.095	0.092	0.089	0.087	0	0.0	214	214	100	0	0.081	0.078	0.078	0.078	0	214	213	100	2005	700 Shell Road
67	0.092	0.088	0.088	0.085	0	0.0	214	214	100	0	0.077	0.077	0.076	0.076	0	214	211	99	2006	700 Shell Road
68	0.104	0.097	0.095	0.091	0	0.0	214	212	99	2	0.079	0.079	0.078	0.078	0	214	212	99	2004	7345 McClellan Rd Mechanicsville Va
69	0.105	0.100	0.099	0.099	0	0.0	214	213	100	1	0.093	0.089	0.083	0.083	2	214	213	100	2005	7345 McClellan Rd Mechanicsville Va
70	0.120	0.099	0.099	0.097	0	0.0	214	211	99	1	0.095	0.086	0.085	0.082	3	214	210	98	2006	7345 McClellan Rd Mechanicsville Va
71	0.117	0.108	0.104	0.101	0	0.0	214	213	100	1	0.101	0.092	0.088	0.082	3	214	211	99	2004	3538 Aldino Road Aldino Md
72	0.126	0.111	0.103	0.103	1	1.0	214	212	99	0	0.101	0.097	0.089	0.087	6	214	212	99	2004	Waehli Road Edgewood Army Chem Center
73	0.134	0.121	0.112	0.108	1	1.0	214	213	100	0	0.107	0.095	0.094	0.092	10	214	213	100	2005	3538 Aldino Road Aldino Md
74	0.133	0.130	0.122	0.119	2	2.0	214	211	99	3	0.109	0.108	0.103	0.099	11	214	210	98	2005	Waehli Road Edgewood Army Chem Center
75	0.127	0.114	0.113	0.107	1	1.0	214	214	100	0	0.094	0.092	0.091	0.090	6	214	214	100	2006	3538 Aldino Road

																				Aldino Md
76	0.129	0.126	0.120	0.109	2	2.0	214	211	99	1	0.103	0.100	0.095	0.095	10	214	210	98	2006	Waehli Road Edgewood Army Chem Center
77	0.094	0.092	0.090	0.089	0	0.0	214	214	100	0	0.076	0.075	0.075	0.074	0	214	214	100	2004	2401 Hartman Street Math & Science Ctr
78	0.111	0.106	0.104	0.097	0	0.0	214	210	98	3	0.095	0.089	0.087	0.084	3	214	210	98	2005	2401 Hartman Street Math & Science Ctr
79	0.123	0.116	0.111	0.097	0	0.0	214	212	99	2	0.097	0.096	0.086	0.086	4	214	211	99	2006	2401 Hartman Street Math & Science Ctr
80	0.110	0.098	0.098	0.087	0	0.0	214	214	100	0	0.094	0.084	0.082	0.078	1	214	214	100	2004	Millington Wildlife Mgmt Area, Massey-De
81	0.115	0.111	0.103	0.103	0	0.0	214	211	99	0	0.094	0.091	0.086	0.084	3	214	211	99	2005	Millington Wildlife Mgmt Area, Massey-De
82	0.111	0.099	0.097	0.096	0	0.0	214	214	100	0	0.097	0.088	0.084	0.082	2	214	214	100	2006	Millington Wildlife Mgmt Area, Massey-De
83	0.126	0.103	0.092	0.088	1	1.0	214	204	95	0	0.107	0.089	0.080	0.080	2	214	204	95	2004	38-I, Broad Run High School, Ashburn
84	0.094	0.094	0.089	0.085	0	0.0	214	88	41	2	0.082	0.079	0.079	0.077	0	214	88	41	2005	38-I, Broad Run High School, Ashburn
85	0.122	0.105	0.097	0.095	0	0.0	214	214	100	0	0.102	0.088	0.084	0.084	2	214	214	100	2006	38-I, Broad Run High School, Ashburn
86	0.094	0.083	0.080	0.079	0	0.0	214	200	93	6	0.087	0.077	0.076	0.075	1	214	195	91	2004	Shenandoah Np Big Meadows
87	0.086	0.084	0.084	0.084	0	0.0	214	186	87	3	0.081	0.081	0.080	0.080	0	214	183	86	2005	Shenandoah Np Big Meadows
88	0.092	0.088	0.087	0.085	0	0.0	214	199	93	8	0.081	0.081	0.078	0.076	0	214	199	93	2006	Shenandoah Np Big Meadows
89	0.108	0.097	0.091	0.090	0	0.0	214	213	100	1	0.094	0.086	0.084	0.080	2	214	213	100	2004	Lathrop E Smith Env.Ed Center 5110 Mea
90	0.115	0.100	0.099	0.098	0	0.0	214	190	89	0	0.100	0.087	0.085	0.083	3	214	189	88	2005	Lathrop E Smith Env.Ed Center 5110 Mea
91	0.127	0.104	0.100	0.100	1	1.1	214	198	93	0	0.101	0.091	0.090	0.088	4	214	197	92	2006	Lathrop E Smith Env.Ed Center 5110 Mea
92	0.090	0.089	0.078	0.077	0	0.0	214	214	100	0	0.079	0.074	0.073	0.070	0	214	214	100	2004	Luray Caverns Airport, Route 647
93	0.087	0.085	0.084	0.081	0	0.0	214	205	96	2	0.079	0.078	0.078	0.077	0	214	203	95	2005	Luray Caverns Airport, Route 647
94	0.087	0.083	0.081	0.077	0	0.0	214	214	100	0	0.077	0.076	0.074	0.073	0	214	214	100	2006	Luray Caverns Airport, Route 647
95	0.119	0.118	0.118	0.103	0	0.0	214	213	100	1	0.100	0.093	0.087	0.086	5	214	212	99	2004	P.G. Co. Equestrian Cntr 14955 Pennsylva
																				12003 Old Baltimore

96	0.115	0.108	0.102	0.101	0	0.0	184	121	66	2	0.094	0.088	0.086	0.085	4	184	115	63	2005	Pike, Beltsville, Ma
97	0.119	0.113	0.112	0.111	0	0.0	214	213	100	0	0.097	0.094	0.093	0.092	5	214	213	100	2005	P.G. Co. Equestrian Cntr 14955 Pennsylv
98	0.122	0.121	0.111	0.110	0	0.0	214	194	91	1	0.102	0.100	0.096	0.095	6	214	192	90	2006	P.G. Co. Equestrian Cntr 14955 Pennsylv
99	0.116	0.106	0.102	0.102	0	0.0	214	208	97	3	0.098	0.095	0.090	0.086	6	214	207	97	2006	12003 Old Baltimore Pike, Beltsville, Ma
100	0.113	0.090	0.087	0.087	0	0.0	214	209	98	1	0.097	0.079	0.077	0.077	1	214	208	97	2004	James S. Long Park
101	0.089	0.087	0.086	0.084	0	0.0	214	198	93	2	0.074	0.074	0.074	0.074	0	214	197	92	2005	James S. Long Park
102	0.112	0.106	0.104	0.101	0	0.0	214	214	100	0	0.098	0.096	0.090	0.086	4	214	213	100	2006	James S. Long Park
103	0.091	0.082	0.079	0.079	0	0.0	214	213	100	1	0.078	0.074	0.072	0.071	0	214	213	100	2004	East Vinton Elementary School
104	0.089	0.087	0.086	0.085	0	0.0	214	211	99	3	0.079	0.078	0.077	0.076	0	214	211	99	2005	East Vinton Elementary School
105	0.093	0.091	0.088	0.085	0	0.0	214	213	100	1	0.083	0.082	0.078	0.076	0	214	213	100	2006	East Vinton Elementary School
106	0.077	0.075	0.073	0.073	0	0.0	214	207	97	0	0.073	0.069	0.068	0.066	0	214	205	96	2004	21-C,Glenwood-Pedlar District Ranger Sta
107	0.086	0.083	0.082	0.081	0	0.0	214	214	100	0	0.076	0.075	0.074	0.074	0	214	214	100	2005	21-C,Glenwood-Pedlar District Ranger Sta
108	0.079	0.075	0.074	0.073	0	0.0	214	212	99	2	0.073	0.072	0.069	0.068	0	214	211	99	2006	21-C,Glenwood-Pedlar District Ranger Sta
109	0.114	0.105	0.090	0.082	0	0.0	214	214	100	0	0.098	0.090	0.081	0.073	2	214	212	99	2004	Widewater Elem. Sch., Den Rich Road
110	0.099	0.097	0.096	0.092	0	0.0	214	214	100	0	0.084	0.083	0.081	0.079	0	214	211	99	2005	Widewater Elem. Sch., Den Rich Road
111	0.145	0.134	0.123	0.108	2	2.0	214	214	100	0	0.116	0.109	0.101	0.091	5	214	213	100	2006	Widewater Elem. Sch., Den Rich Road
112	0.107	0.085	0.085	0.084	0	0.0	214	214	100	0	0.099	0.076	0.075	0.074	1	214	213	100	2004	Tidewater Comm. College, Frederic Campus
113	0.086	0.085	0.084	0.083	0	0.0	214	214	100	0	0.081	0.076	0.075	0.075	0	214	213	100	2004	Tidewater Research Station, Hare Road
114	0.091	0.090	0.089	0.085	0	0.0	214	214	100	0	0.082	0.079	0.079	0.078	0	214	213	100	2005	Tidewater Research Station, Hare Road
115	0.098	0.094	0.093	0.091	0	0.0	214	214	100	0	0.086	0.080	0.080	0.077	1	214	214	100	2005	Tidewater Comm. College, Frederic

																				Campus
116	0.080	0.080	0.080	0.080	0	0.0	214	214	100	0	0.074	0.072	0.071	0.071	0	214	214	100	2006	Tidewater Research Station, Hare Road
117	0.117	0.099	0.098	0.098	0	0.0	214	206	96	0	0.091	0.085	0.084	0.077	2	214	203	95	2006	Tidewater Comm. College, Frederic Campus
118	0.094	0.092	0.088	0.087	0	0.0	214	214	100	0	0.085	0.082	0.082	0.077	1	214	214	100	2004	18701 Roxbury Road Hagerstown Md
119	0.094	0.092	0.090	0.088	0	0.0	214	213	100	1	0.091	0.086	0.080	0.079	2	214	213	100	2005	18701 Roxbury Road Hagerstown Md
120	0.091	0.091	0.088	0.087	0	0.0	214	209	98	0	0.085	0.083	0.079	0.079	1	214	209	98	2006	18701 Roxbury Road Hagerstown Md
121	0.104	0.098	0.092	0.091	0	0.0	214	214	100	0	0.093	0.090	0.083	0.080	2	214	214	100	2004	Takoma Sc. Piney Branch Rd & Dahlia St N
122	0.113	0.100	0.098	0.094	0	0.0	214	213	100	1	0.101	0.092	0.091	0.081	3	214	213	100	2004	S.E. End Mcmillian Reservoir, Wash. Dc.
123	0.093	0.091	0.085	0.082	0	0.0	214	214	100	0	0.083	0.080	0.071	0.070	0	214	212	99	2004	34th. And Dix Streets, N.E.
124	0.109	0.108	0.103	0.101	0	0.0	214	213	100	1	0.093	0.088	0.087	0.086	5	214	212	99	2005	S.E. End Mcmillian Reservoir, Wash. Dc.
125	0.105	0.101	0.097	0.094	0	0.0	214	207	97	2	0.087	0.084	0.082	0.077	1	214	207	97	2005	Takoma Sc. Piney Branch Rd & Dahlia St N
126	0.105	0.099	0.099	0.098	0	0.0	214	212	99	2	0.089	0.082	0.082	0.081	1	214	212	99	2005	34th. And Dix Streets, N.E.
127	0.114	0.102	0.100	0.100	0	0.0	214	214	100	0	0.086	0.085	0.085	0.083	3	214	214	100	2006	Takoma Sc. Piney Branch Rd & Dahlia St N
128	0.129	0.110	0.104	0.103	1	1.0	214	213	100	1	0.093	0.093	0.087	0.087	7	214	213	100	2006	34th. And Dix Streets, N.E.
129	0.119	0.117	0.111	0.106	0	0.0	214	213	100	1	0.102	0.096	0.091	0.090	8	214	213	100	2006	S.E. End Mcmillian Reservoir, Wash. Dc.
130	0.085	0.078	0.075	0.073	0	0.0	214	207	97	0	0.080	0.070	0.069	0.069	0	214	207	97	2004	16-B Rural Retreat Sewage Disposal
131	0.087	0.083	0.080	0.080	0	0.0	214	210	98	0	0.084	0.078	0.078	0.075	0	214	209	98	2005	16-B Rural Retreat Sewage Disposal
132	0.078	0.075	0.075	0.073	0	0.0	214	214	100	0	0.073	0.070	0.070	0.069	0	214	214	100	2006	16-B Rural Retreat Sewage Disposal
Grand Total						6.0									125				2005	
						6.0									82				2004	
						13.1									156				2006	

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## Monitor Values Report - Criteria Air Pollutants

**Geographic Area:** District Of Columbia, Maryland, Virginia**Pollutant:** Particulate (size < 10 micrometers)**Year:** 2004, 2005, 2006**EPA Air Quality Standards:**

Particulate (diameter &lt; 10 micrometers): 150 µg/m3 (24-hour average), 50 µg/m3 (annual mean)

µg/m3 = micrograms per cubic meter

71 Rows

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	PM10 (µg/m3)													
	24-Hour Values							Annual						
Row #	# Obs	1st Max	2nd Max	3rd Max	4th Max	# Exceed-Actual	# Exceed-Estimated	Mean	# Exceed	Year	Site Address	City	County	State
SORT	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼
1	43	70	57	53	42	0	0.0	23	0	2006	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	VA
2	82	43	41	39	33	0	0.0	19	0	2004	7409 Balto And Annapolis Blvd Anne Arun	Glen Burnie	Anne Arundel Co	MD
3	219	53	52	47	45	0	0.0	21	0	2005	7409 Balto And Annapolis Blvd Anne Arun	Glen Burnie	Anne Arundel Co	MD
4	342	61	56	55	54	0	0.0	23	0	2004	Woodward And Franklin Roads Essex	Essex	Baltimore Co	MD
5	334	64	59	58	57	0	0.0	24	0	2005	Woodward And Franklin Roads Essex	Essex	Baltimore Co	MD
6	55	57	57	46	46	0	0.0	25	0	2004	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
7	44	52	49	44	43	0	0.0	22	0	2004	S E Police Station 5600 Eastern Ave Ba	Baltimore	Baltimore city	MD
8	58	65	59	56	51	0	0.0	28	0	2004	Fmc Corp. 1900 E Patapsco	Baltimore	Baltimore city	MD

											Ave. Baltimore			
9	11	34	28	28	26	0	0.0	21	0	2004	S E Police Station 5600 Eastern Ave Ba	Baltimore	Baltimore city	MD
10	51	49	48	46	45	0	0.0	23	0	2005	S E Police Station 5600 Eastern Ave Ba	Baltimore	Baltimore city	MD
11	56	64	57	51	48	0	0.0	25	0	2005	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
12	59	66	60	52	52	0	0.0	28	0	2005	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
13	57	65	53	50	49	0	0.0	23	0	2006	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
14	57	54	49	44	42	0	0.0	26	0	2006	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
15	61	45	44	42	42	0	0.0	23	0	2006	S E Police Station 5600 Eastern Ave Ba	Baltimore	Baltimore city	MD
16	60	30	29	29	27	0	0.0	14	0	2004	Gladeville Elem School Near Galax		Carroll Co	VA
17	55	35	33	31	30	0	0.0	17	0	2005	Gladeville Elem School Near Galax		Carroll Co	VA
18	58	41	36	34	33	0	0.0	17	0	2006	Gladeville Elem School Near Galax		Carroll Co	VA
19	56	46	38	34	34	0	0.0	19	0	2004	606 East Market Street	Charlottesville	Charlottesville city	VA
20	59	39	39	37	37	0	0.0	22	0	2005	606 East Market Street	Charlottesville	Charlottesville city	VA
21	58	47	42	38	35	0	0.0	21	0	2006	606 East Market Street	Charlottesville	Charlottesville city	VA
22	60	37	34	33	33	0	0.0	18	0	2004	176-R, Smith Stadium, Rodgers Street	Chesapeake	Chesapeake city	VA
23	56	45	38	37	30	0	0.0	17	0	2004	Farmington Elem. School, Sunset Lane	Culpeper	Culpeper Co	VA

24	57	41	36	35	33	0	0.0	19	0	2005	Farmington Elem. School, Sunset Lane	Culpeper	Culpeper Co	VA
25	58	44	41	39	37	0	0.0	19	0	2006	Farmington Elem. School, Sunset Lane	Culpeper	Culpeper Co	VA
26	61	48	38	32	32	0	0.0	16	0	2004	Cub Run Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co	VA
27	45	52	43	36	35	0	0.0	19	0	2004	6120 Brandon Ave	Springfield	Fairfax Co	VA
28	57	50	44	41	39	0	0.0	21	0	2004	Mt.Vernon 2675 Sherwood Hall Lane		Fairfax Co	VA
29	57	48	35	34	34	0	0.0	19	0	2005	Cub Run Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co	VA
30	57	39	38	38	36	0	0.0	21	0	2005	Mt.Vernon 2675 Sherwood Hall Lane		Fairfax Co	VA
31	58	42	40	39	37	0	0.0	20	0	2006	Mt.Vernon 2675 Sherwood Hall Lane		Fairfax Co	VA
32	53	40	38	37	35	0	0.0	21	0	2006	Mt.Vernon 2675 Sherwood Hall Lane		Fairfax Co	VA
33	55	41	40	40	36	0	0.0	20	0	2006	Cub Run Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co	VA
34	51	87	81	74	73	0	0.0	30	0	2005	1256 Brucetown Road		Frederick Co	VA
35	55	38	38	33	32	0	0.0	19	0	2005	125 Apple Valley Road		Frederick Co	VA
36	10	28	26	25	22	0	0.0	17	0	2006	125 Apple Valley Road		Frederick Co	VA
37	61	78	64	62	60	0	0.0	31	0	2006	1256 Brucetown Road		Frederick Co	VA
38	59	47	39	34	32	0	0.0	18	0	2004	Hugh Mercer Elem. School 2100 Cowan Blvd	Fredericksburg	Fredericksburg city	VA
39	58	39	38	36	36	0	0.0	19	0	2005	Hugh Mercer Elem. School 2100	Fredericksburg	Fredericksburg city	VA

											Cowan Blvd			
40	60	48	48	39	39	0	0.0	20	0	2006	Hugh Mercer Elem. School 2100 Cowan Blvd	Fredericksburg	Fredericksburg city	VA
41	7	28	17	14	13	0	0.0	15	0	2006	1000 Winston Churchill Dr	Hopewell	Hopewell city	VA
42	7	26	24	14	12	0	0.0	15	0	2006	Corner Of Spruance St And Pierce St	Hopewell	Hopewell city	VA
43	11	25	25	17	16	0	0.0	14	0	2006	Corner Of Spruance St And Pierce St	Hopewell	Hopewell city	VA
44	25	22	21	19	16	0	0.0	13	0	2004	Roof Of West Point Elem School	West Point	King William Co	VA
45	56	49	46	45	40	0	0.0	23	0	2005	Roof Of West Point Elem School	West Point	King William Co	VA
46	60	52	44	41	38	0	0.0	21	0	2006	Roof Of West Point Elem School	West Point	King William Co	VA
47	58	34	33	30	30	0	0.0	18	0	2004	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
48	57	47	37	36	35	0	0.0	20	0	2005	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
49	58	46	40	39	34	0	0.0	20	0	2006	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
50	61	48	39	39	33	0	0.0	21	0	2006	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
51	59	53	40	39	30	0	0.0	18	0	2004	County Health Department 9301 Lee Avenue	Manassas	Prince William Co	VA
52	30	32	31	29	28	0	0.0	17	0	2004	5324 Distributor Dr. Monitoring Div Sapc	Richmond	Richmond city	VA
53	64	79	70	69	67	0	0.0	29	0	2004	101 Cherry Hill Circle	Roanoke	Roanoke city	VA
54	66	67	66	65	56	0	0.0	30	0	2005	101 Cherry Hill Circle	Roanoke	Roanoke city	VA
55	61	60	57	50	49	0	0.0	28	0	2006	101 Cherry Hill Circle	Roanoke	Roanoke city	VA
56	16	28	26	25	24	0	0.0	19	0	2004	26-E 4411 Early Road, Deq Office		Rockingham Co	VA

57	43	48	42	40	35	0	0.0	21	0	2004	Vdot Residency Shop, 3536 North Valley P		Rockingham Co	VA
58	61	42	40	34	33	0	0.0	21	0	2005	Vdot Residency Shop, 3536 North Valley P		Rockingham Co	VA
59	58	43	43	38	38	0	0.0	21	0	2006	Vdot Residency Shop, 3536 North Valley P		Rockingham Co	VA
60	60	44	36	32	32	0	0.0	17	0	2004	1000 Shenandoah Avenue	Front Royal	Warren Co	VA
61	59	42	35	31	31	0	0.0	19	0	2005	1000 Shenandoah Avenue	Front Royal	Warren Co	VA
62	58	36	36	33	29	0	0.0	17	0	2006	1000 Shenandoah Avenue	Front Royal	Warren Co	VA
63	58	60	55	51	50	0	0.0	27	0	2004	34th. And Dix Streets, N.E.	Washington	Washington city	DC
64	60	81	72	67	64	0	0.0	36	0	2005	34th. And Dix Streets, N.E.	Washington	Washington city	DC
65	37	63	63	61	48	0	0.0	30	0	2006	34th. And Dix Streets, N.E.	Washington	Washington city	DC
66	57	84	61	61	60	0	0.0	26	0	2006	34th. And Dix Streets, N.E.	Washington	Washington city	DC
67	61	47	39	38	35	0	0.0	18	0	2004	5 N. Kent St., Winchester Judicial Cente	Winchester	Winchester city	VA
68	49	41	40	34	33	0	0.0	21	0	2005	5 N. Kent St., Winchester Judicial Cente	Winchester	Winchester city	VA
69	60	39	37	34	32	0	0.0	20	0	2005	5 N. Kent St., Winchester Judicial Cente	Winchester	Winchester city	VA
70	10	28	23	23	21	0	0.0	18	0	2006	5 N. Kent St., Winchester Judicial Cente	Winchester	Winchester city	VA
71	59	40	38	31	31	0	0.0	18	0	2006	5 N. Kent St., Winchester Judicial Cente	Winchester	Winchester city	VA

Grand Total		0.0		0	2005
		0.0		0	2004
		0.0		0	2006

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## Monitor Values Report - Criteria Air Pollutants

**Geographic Area:** District Of Columbia, Maryland, Virginia**Pollutant:** Particulate (size < 2.5 micrometers)**Year:** 2004, 2005, 2006**EPA Air Quality Standards:**

Particulate (diameter &lt; 2.5 micrometers): 65 µg/m3 (24-hour average), 15.0 µg/m3 (annual mean)

µg/m3 = micrograms per cubic meter

127 Rows

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	PM2.5 (µg/m3)													
	24-Hour Values							Annual						
Row #	# Obs	1st Max	2nd Max	3rd Max	4th Max	98th Pct	# Exceed	Mean	# Exceed	Year	Site Address	City	County	State
SORT	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼
1	122	42	37	37	29	37	0	12.5	0	2004	Davidsonville Family Recreation Center 3		Anne Arundel Co	MD
2	114	43	41	35	33	35	0	14.5	0	2004	8515 Jenkins Rd Riviera Beach Md	Riviera Beach	Anne Arundel Co	MD
3	40	42	35	33	31	42	0	14.9	0	2004	8515 Jenkins Rd Riviera Beach Md	Riviera Beach	Anne Arundel Co	MD
4	111	43	38	37	33	37	0	15.3	1	2004	7409 Balto And Annapolis Blvd Anne Arun	Glen Burnie	Anne Arundel Co	MD
5	108	41	35	35	30	35	0	13.2	0	2004	9001 'Y'Street,Ft.Meade,Anne Arundel Md	Fort Meade (U.S. Army)	Anne Arundel Co	MD
6	46	39	36	35	33	39	0	14.7	0	2005	8515 Jenkins Rd Riviera Beach Md	Riviera Beach	Anne Arundel Co	MD
7	109	40	39	36	36	36	0	15.7	1	2005	7409 Balto And Annapolis Blvd Anne Arun	Glen Burnie	Anne Arundel Co	MD
8	111	36	34	31	29	31	0	12.0	0	2005	Davidsonville Family Recreation Center 3		Anne Arundel Co	MD
9	112	40	40	36	34	36	0	15.4	1	2005	8515 Jenkins Rd Riviera Beach Md	Riviera Beach	Anne Arundel Co	MD
10	118	36	33	32	31	32	0	13.8	0	2006	7409 Balto And Annapolis Blvd Anne Arun	Glen Burnie	Anne Arundel Co	MD
11	117	44	43	36	34	36	0	14.5	0	2004	S 18th And Hayes St		Arlington Co	VA
12	119	40	37	34	33	34	0	15.3	1	2005	S 18th And Hayes St		Arlington Co	VA
13	119	33	33	33	32	33	0	12.9	0	2006	S 18th And Hayes St		Arlington Co	VA
14	117	33	33	32	32	32	0	13.2	0	2006	S 18th And Hayes St		Arlington Co	VA
15	117	39	36	33	32	33	0	13.7	0	2004	Padonia E.S. 9834 Greenside Dr. Cockeysv	Cockeysville	Baltimore Co	MD
16	344	44	41	40	40	36	0	15.2	1	2004	Woodward And Franklin	Essex	Baltimore	MD



											Roads Essex		Co	
17	112	42	35	34	33	34	0	14.9	0	2005	Padonia E.S. 9834 Greenside Dr. Cockeysv	Cockeysville	Baltimore Co	MD
18	332	46	46	46	43	36	0	15.1	1	2005	Woodward And Franklin Roads Essex	Essex	Baltimore Co	MD
19	116	36	33	32	32	32	0	12.6	0	2006	Padonia E.S. 9834 Greenside Dr. Cockeysv	Cockeysville	Baltimore Co	MD
20	357	46	44	43	41	34	0	14.3	0	2006	Woodward And Franklin Roads Essex	Essex	Baltimore Co	MD
21	115	40	37	35	33	35	0	14.5	0	2004	North East Police Station, 1900 Argonne	Baltimore	Baltimore city	MD
22	343	46	44	43	42	41	0	16.5	1	2004	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD
23	111	42	42	38	37	38	0	15.5	1	2004	Westport Elementary School	Baltimore	Baltimore city	MD
24	109	41	37	34	33	34	0	14.5	0	2004	North West Police Station 5700 Reistert	Baltimore	Baltimore city	MD
25	61	43	38	36	34	38	0	15.7	1	2004	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
26	336	45	43	42	41	39	0	16.0	1	2004	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
27	117	42	40	37	36	37	0	15.9	1	2004	S E Police Station 5600 Eastern Ave Ba	Baltimore	Baltimore city	MD
28	113	43	42	39	38	39	0	17.2	1	2005	S E Police Station 5600 Eastern Ave Ba	Baltimore	Baltimore city	MD
29	108	42	42	37	36	37	0	16.1	1	2005	Westport Elementary School	Baltimore	Baltimore city	MD
30	286	50	49	46	43	38	0	16.3	1	2005	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
31	65	44	42	36	34	42	0	16.8	1	2005	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
32	326	50	49	44	44	40	0	16.5	1	2005	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD
33	114	42	36	36	35	36	0	15.4	1	2005	North West Police Station 5700 Reistert	Baltimore	Baltimore city	MD
34	114	43	37	33	33	33	0	15.0	0	2005	North East Police Station, 1900 Argonne	Baltimore	Baltimore city	MD
35	344	47	42	42	42	36	0	14.9	0	2006	Old Town Fire Station 1100 Hillen Street	Baltimore	Baltimore city	MD
36	39	43	36	32	30	43	0	17.0	1	2006	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
37	326	47	43	42	42	37	0	14.8	0	2006	Fmc Corp. 1900 E Patapsco Ave. Baltimore	Baltimore	Baltimore city	MD
38	119	35	35	33	32	33	0	12.9	0	2006	North West Police Station 5700 Reistert	Baltimore	Baltimore city	MD
39	114	36	33	33	32	33	0	13.2	0	2006	North East Police Station, 1900 Argonne	Baltimore	Baltimore city	MD
40	119	37	36	36	35	36	0	14.5	0	2006	S E Police Station 5600 Eastern Ave Ba	Baltimore	Baltimore city	MD
41	114	38	33	30	30	30	0	13.9	0	2004	Eads Street	Bristol	Bristol city	VA

42	121	39	31	31	31	31	0	14.3	0	2005	Eads Street	Bristol	Bristol city	VA
43	121	39	32	31	30	31	0	13.5	0	2006	Eads Street	Bristol	Bristol city	VA
44	110	34	31	30	29	30	0	13.3	0	2004	Rte.273 Fair Hill Ceil Co. Maryland		Cecil Co	MD
45	118	36	33	32	31	32	0	13.7	0	2005	Rte.273 Fair Hill Ceil Co. Maryland		Cecil Co	MD
46	113	39	34	28	26	28	0	11.5	0	2006	Rte.273 Fair Hill Ceil Co. Maryland		Cecil Co	MD
47	120	37	30	29	29	29	0	12.2	0	2004	Shirley Plantation, Route 5		Charles City Co	VA
48	117	39	34	31	30	31	0	12.9	0	2005	Shirley Plantation, Route 5		Charles City Co	VA
49	118	35	34	34	31	34	0	12.0	0	2006	Shirley Plantation, Route 5		Charles City Co	VA
50	119	36	30	30	29	30	0	13.2	0	2004	6700 Strathmore Road, Roof Of Armory		Chesterfield Co	VA
51	117	39	31	30	30	30	0	14.0	0	2005	6700 Strathmore Road, Roof Of Armory		Chesterfield Co	VA
52	116	31	31	31	31	31	0	13.1	0	2006	6700 Strathmore Road, Roof Of Armory		Chesterfield Co	VA
53	120	42	40	34	33	34	0	13.7	0	2004	6507 Columbia Pike	Annandale	Fairfax Co	VA
54	348	44	43	39	38	35	0	13.9	0	2004	Sta. 46-B9, Lee Park, Telegraph Road	Franconia	Fairfax Co	VA
55	114	45	41	34	33	34	0	14.0	0	2004	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co	VA
56	346	45	42	40	38	36	0	13.7	0	2005	Sta. 46-B9, Lee Park, Telegraph Road	Franconia	Fairfax Co	VA
57	120	37	36	35	34	35	0	14.4	0	2005	6507 Columbia Pike	Annandale	Fairfax Co	VA
58	105	39	36	35	31	35	0	14.8	0	2005	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co	VA
59	334	46	37	37	35	34	0	12.7	0	2006	Sta. 46-B9, Lee Park, Telegraph Road	Franconia	Fairfax Co	VA
60	112	35	33	32	32	32	0	12.7	0	2006	6507 Columbia Pike	Annandale	Fairfax Co	VA
61	107	36	33	32	32	32	0	12.7	0	2006	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co	VA
62	111	30	29	28	27	28	0	12.2	0	2004	700 Shell Road	Hampton	Hampton city	VA
63	114	32	32	27	27	27	0	12.5	0	2005	700 Shell Road	Hampton	Hampton city	VA
64	117	39	32	32	30	32	0	12.2	0	2006	700 Shell Road	Hampton	Hampton city	VA
65	115	37	34	30	29	30	0	12.9	0	2004	Waehli Road Edgewood Army Chem Center	Edgewood	Harford Co	MD
66	111	39	36	35	33	35	0	13.5	0	2005	Waehli Road Edgewood Army Chem Center	Edgewood	Harford Co	MD
67	117	36	30	29	27	29	0	11.6	0	2006	Waehli Road Edgewood Army Chem Center	Edgewood	Harford Co	MD
68	151	35	34	30	30	30	0	13.6	0	2004	2401 Hartman Street Math & Science Ctr		Henrico Co	VA
69	111	34	28	28	28	28	0	12.5	0	2004	4949-A Cox Road, Glen Allen		Henrico Co	VA
70	107	36	29	29	29	29	0	13.7	0	2005	4949-A Cox Road, Glen Allen		Henrico Co	VA
71	343	40	35	35	34	32	0	13.9	0	2005	2401 Hartman Street Math & Science Ctr		Henrico Co	VA
72	116	32	29	29	29	29	0	12.5	0	2006	4949-A Cox Road, Glen		Henrico Co	VA

											Allen			
73	335	39	36	34	33	31	0	13.2	0	2006	2401 Hartman Street Math & Science Ctr		Henrico Co	VA
74	108	33	32	31	30	31	0	13.1	0	2006	2401 Hartman Street Math & Science Ctr		Henrico Co	VA
75	116	44	38	34	33	34	0	14.1	0	2004	38-I, Broad Run High School, Ashburn		Loudoun Co	VA
76	114	41	40	38	30	38	0	14.6	0	2005	38-I, Broad Run High School, Ashburn		Loudoun Co	VA
77	114	35	34	33	32	33	0	12.2	0	2006	38-I, Broad Run High School, Ashburn		Loudoun Co	VA
78	118	34	34	28	28	28	0	12.1	0	2004	Leesville Road And Greystone Drive	Lynchburg	Lynchburg city	VA
79	121	38	36	35	33	35	0	13.4	0	2005	Leesville Road And Greystone Drive	Lynchburg	Lynchburg city	VA
80	115	31	29	28	27	28	0	12.5	0	2006	Leesville Road And Greystone Drive	Lynchburg	Lynchburg city	VA
81	35	19	14	12	9	19	0	7.8	0	2006	Shenandoah Np Big Meadows		Madison Co	VA
82	117	41	34	32	29	32	0	12.6	0	2004	Lathrop E Smith Env.Ed Center 5110 Mea	Rockville	Montgomery Co	MD
83	120	38	35	32	31	32	0	13.6	0	2005	Lathrop E Smith Env.Ed Center 5110 Mea	Rockville	Montgomery Co	MD
84	121	32	31	29	29	29	0	11.4	0	2006	Lathrop E Smith Env.Ed Center 5110 Mea	Rockville	Montgomery Co	MD
85	121	31	30	28	27	28	0	12.7	0	2004	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
86	113	35	32	30	29	30	0	13.5	0	2005	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
87	117	37	34	31	31	31	0	12.3	0	2006	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
88	108	39	36	32	31	32	0	12.6	0	2006	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city	VA
89	115	29	27	27	27	27	0	12.1	0	2004	Luray Caverns Airport, Route 647		Page Co	VA
90	117	41	38	32	29	32	0	14.0	0	2005	Luray Caverns Airport, Route 647		Page Co	VA
91	113	31	29	28	25	28	0	12.1	0	2006	Luray Caverns Airport, Route 647		Page Co	VA
92	49	38	30	30	28	38	0	12.6	0	2004	12003 Old Baltimore Pike, Beltsville, Ma	Beltsville	Prince George's Co	MD
93	27	17	15	14	14	17	0	9.8	0	2004	Goddard Space Flight Center	Greenbelt	Prince George's Co	MD
94	114	44	42	38	31	38	0	13.3	0	2004	P.G. Co. Equestrian Cntr 14955 Pennsylv	Greater Upper Marlboro	Prince George's Co	MD
95	61	42	28	28	28	28	0	12.4	0	2004	P.G. Co. Equestrian Cntr 14955 Pennsylv	Greater Upper Marlboro	Prince George's Co	MD
96	60	37	32	26	26	32	0	13.3	0	2005	P.G. Co. Equestrian Cntr 14955 Pennsylv	Greater Upper Marlboro	Prince George's Co	MD
97	107	38	36	32	31	32	0	13.4	0	2005	12003 Old Baltimore Pike, Beltsville, Ma	Beltsville	Prince George's Co	MD
												Greater	Prince	

98	109	37	37	31	31	31	0	13.8	0	2005	P.G. Co. Equestrian Cntr 14955 Pennsylv	Upper Marlboro	George's Co	MD
99	109	36	35	33	32	33	0	12.2	0	2006	P.G. Co. Equestrian Cntr 14955 Pennsylv	Greater Upper Marlboro	Prince George's Co	MD
100	98	36	34	32	31	34	0	11.5	0	2006	12003 Old Baltimore Pike, Beltsville, Ma	Beltsville	Prince George's Co	MD
101	57	36	33	31	25	33	0	12.5	0	2006	P.G. Co. Equestrian Cntr 14955 Pennsylv	Greater Upper Marlboro	Prince George's Co	MD
102	228	38	36	33	32	31	0	14.5	0	2004	5324 Distributor Dr. Monitoring Div Sapc	Richmond	Richmond city	VA
103	120	35	33	32	30	32	0	13.5	0	2004	Raleigh Court Library, Grandin Road	Roanoke	Roanoke city	VA
104	120	39	37	35	32	35	0	15.1	1	2005	Raleigh Court Library, Grandin Road	Roanoke	Roanoke city	VA
105	120	37	31	30	29	30	0	14.2	0	2006	Raleigh Court Library, Grandin Road	Roanoke	Roanoke city	VA
106	25	27	22	21	19	27	0	11.8	0	2006	2020 Oakland Blvd, Nw	Roanoke	Roanoke city	VA
107	118	36	34	33	32	33	0	14.3	0	2004	Market Street Fire Station	Salem	Salem city	VA
108	119	40	39	37	35	37	0	16.0	1	2005	Market Street Fire Station	Salem	Salem city	VA
109	23	22	21	19	18	22	0	12.0	0	2006	Market Street Fire Station	Salem	Salem city	VA
110	344	41	36	33	31	28	0	12.4	0	2004	5636 Southern Boulevard	Virginia Beach	Virginia Beach city	VA
111	315	39	35	34	34	30	0	12.6	0	2005	5636 Southern Boulevard	Virginia Beach	Virginia Beach city	VA
112	332	44	39	36	35	32	0	12.6	0	2006	5636 Southern Boulevard	Virginia Beach	Virginia Beach city	VA
113	117	49	40	39	34	39	0	14.6	0	2004	18701 Roxbury Road Hagerstown Md	Hagerstown	Washington Co	MD
114	106	38	34	33	32	33	0	14.9	0	2005	18701 Roxbury Road Hagerstown Md	Hagerstown	Washington Co	MD
115	114	34	31	30	29	30	0	11.9	0	2006	18701 Roxbury Road Hagerstown Md	Hagerstown	Washington Co	MD
116	337	44	42	41	39	38	0	14.9	0	2004	34th. And Dix Streets, N.E.	Washington	Washington city	DC
117	61	42	42	35	34	42	0	14.5	0	2004	34th. And Dix Streets, N.E.	Washington	Washington city	DC
118	355	42	42	39	37	35	0	14.4	0	2004	S.E. End Mcmillian Reservoir, Wash. Dc.	Washington	Washington city	DC
119	118	43	42	36	36	36	0	14.5	0	2004	Park Services Office 1100 Ohio Drive	Washington	Washington city	DC
120	117	38	37	36	33	36	0	15.7	1	2005	Park Services Office 1100 Ohio Drive	Washington	Washington city	DC
121	326	43	43	39	38	36	0	14.9	0	2005	34th. And Dix Streets, N.E.	Washington	Washington city	DC
122	351	44	43	40	36	34	0	14.6	0	2005	S.E. End Mcmillian Reservoir, Wash. Dc.	Washington	Washington city	DC
123	68	39	31	30	29	31	0	15.7	1	2005	34th. And Dix Streets, N.E.	Washington	Washington city	DC
124	118	35	34	33	33	33	0	13.3	0	2006	Park Services Office 1100 Ohio Drive	Washington	Washington city	DC

125	352	41	41	38	35	33	0	13.0	0	2006	S.E. End Mcmillian Reservoir, Wash. Dc.	Washington	Washington city	DC
126	59	76	39	36	31	39	0	14.3	0	2006	34th. And Dix Streets, N.E.	Washington	Washington city	DC
127	351	45	40	38	37	34	0	13.3	0	2006	34th. And Dix Streets, N.E.	Washington	Washington city	DC
Grand Total							0		14	2005				
							0		7	2004				
							0		1	2006				

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AirData - Monitor Values Report - Criteria Air Pollutants



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## Monitor Values Report - Criteria Air Pollutants

**Geographic Area:** District Of Columbia, Maryland, Virginia**Pollutant:** Sulfur Dioxide**Year:** 2004, 2005, 2006**EPA Air Quality Standards:**

Sulfur Dioxide: 0.5 ppm (3-hour average), 0.14 ppm (24-hour average), 0.030 ppm (annual mean)

ppm = parts per million

39 Rows

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	SO2 (ppm)															
	1-Hour Values			3-Hour Values			24-Hour Values			Annual						
Row #	# Obs	1st Max	2nd Max	1st Max	2nd Max	# Exceed	1st Max	2nd Max	# Exceed	Mean	# Exceed	Year	Site Address	City	County	
SORT	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	▲ ▼	
1	8,507	0.124	0.078	0.061	0.054	0	0.021	0.021	0	0.006	0	2004	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	
2	8,012	0.101	0.096	0.077	0.067	0	0.020	0.019	0	0.005	0	2005	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	
3	8,230	0.079	0.071	0.067	0.046	0	0.036	0.017	0	0.003	0	2006	517 N Saint Asaph St, Alexandria Health	Alexandria	Alexandria city	
4	8,731	0.084	0.080	0.067	0.057	0	0.020	0.017	0	0.005	0	2004	Woodward And Franklin Roads Essex	Essex	Baltimore Co	
5	8,664	0.133	0.123	0.092	0.084	0	0.020	0.019	0	0.005	0	2005	Woodward And Franklin Roads Essex	Essex	Baltimore Co	
6	8,407	0.100	0.084	0.069	0.055	0	0.021	0.017	0	0.004	0	2006	Woodward And Franklin Roads Essex	Essex	Baltimore Co	
7	8,515	0.095	0.092	0.069	0.053	0	0.022	0.018	0	0.004	0	2004	Shirley Plantation, Route 5		Charles City Co	
8	8,580	0.116	0.109	0.065	0.062	0	0.018	0.016	0	0.005	0	2005	Shirley Plantation, Route 5		Charles City Co	
9	8,593	0.089	0.086	0.075	0.052	0	0.025	0.018	0	0.004	0	2006	Shirley Plantation, Route 5		Charles City Co	
													Cub Run			

10	8,473	0.077	0.057	0.059	0.034	0	0.014	0.014	0	0.003	0	2004	Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co
11	8,685	0.052	0.049	0.043	0.039	0	0.025	0.021	0	0.006	0	2004	6507 Columbia Pike	Annandale	Fairfax Co
12	8,722	0.057	0.055	0.042	0.040	0	0.023	0.020	0	0.006	0	2004	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co
13	8,695	0.030	0.029	0.026	0.025	0	0.013	0.012	0	0.003	0	2005	Cub Run Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co
14	8,700	0.086	0.055	0.055	0.041	0	0.021	0.020	0	0.006	0	2005	6507 Columbia Pike	Annandale	Fairfax Co
15	8,672	0.058	0.045	0.036	0.032	0	0.017	0.017	0	0.006	0	2005	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co
16	8,677	0.042	0.040	0.036	0.030	0	0.018	0.015	0	0.006	0	2006	Lewinsville 1437 Balls Hill Rd	Mclean	Fairfax Co
17	8,487	0.031	0.030	0.021	0.020	0	0.010	0.010	0	0.003	0	2006	Cub Run Lee Rd Chant. (Cubrun Treat Plant		Fairfax Co
18	8,686	0.045	0.045	0.041	0.033	0	0.023	0.017	0	0.004	0	2006	6507 Columbia Pike	Annandale	Fairfax Co
19	8,656	0.098	0.071	0.048	0.044	0	0.014	0.013	0	0.004	0	2004	700 Shell Road	Hampton	Hampton city
20	8,611	0.075	0.065	0.044	0.038	0	0.015	0.013	0	0.004	0	2005	700 Shell Road	Hampton	Hampton city
21	8,605	0.099	0.094	0.061	0.055	0	0.020	0.015	0	0.004	0	2006	700 Shell Road	Hampton	Hampton city
22	6,547	0.031	0.027	0.018	0.015	0	0.011	0.010	0	0.002	0	2004	Shenandoah Np Big Meadows		Madison Co
23	6,287	0.027	0.024	0.022	0.021	0	0.013	0.012	0	0.002	0	2005	Shenandoah Np Big Meadows		Madison Co
24	5,092	0.031	0.023	0.017	0.015	0	0.010	0.006	0	0.002	0	2006	Shenandoah Np Big Meadows		Madison Co
25	8,652	0.134	0.118	0.081	0.067	0	0.021	0.018	0	0.005	0	2004	Norfolk State University	Norfolk	Norfolk city
26	1,455	0.105	0.072	0.060	0.051	0	0.020	0.016	0	0.005	0	2006	181-A1, Noaa Lot, 2nd St & Woodis Ave.	Norfolk	Norfolk city
27	8,654	0.081	0.076	0.048	0.043	0	0.014	0.014	0	0.004	0	2004	158-W, Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city
													158-W,		



28	8,265	0.102	0.081	0.054	0.048	0	0.017	0.016	0	0.005	0	2005	Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city
29	8,639	0.066	0.057	0.042	0.041	0	0.017	0.014	0	0.004	0	2006	158-W, Science Museum Of Va, Dmv & Leigh	Richmond	Richmond city
30	8,667	0.027	0.025	0.022	0.017	0	0.010	0.009	0	0.002	0	2004	East Vinton Elementary School	Vinton	Roanoke Co
31	8,503	0.026	0.025	0.022	0.013	0	0.010	0.009	0	0.003	0	2005	East Vinton Elementary School	Vinton	Roanoke Co
32	8,637	0.028	0.026	0.022	0.020	0	0.013	0.010	0	0.002	0	2006	East Vinton Elementary School	Vinton	Roanoke Co
33	6,193	0.016	0.016	0.013	0.012	0	0.009	0.006	0	0.002	0	2004	Vdot Residency Shop, 3536 North Valley P		Rockingham Co
34	2,503	0.018	0.018	0.017	0.015	0	0.007	0.007	0	0.003	0	2004	26-E 4411 Early Road, Deq Office		Rockingham Co
35	8,171	0.022	0.021	0.021	0.016	0	0.010	0.009	0	0.002	0	2005	Vdot Residency Shop, 3536 North Valley P		Rockingham Co
36	8,601	0.030	0.017	0.019	0.014	0	0.008	0.007	0	0.002	0	2006	Vdot Residency Shop, 3536 North Valley P		Rockingham Co
37	8,671	0.090	0.048	0.047	0.042	0	0.018	0.018	0	0.007	0	2004	34th. And Dix Streets, N.E.	Washington	Washington city
38	8,676	0.075	0.060	0.047	0.040	0	0.018	0.015	0	0.005	0	2005	34th. And Dix Streets, N.E.	Washington	Washington city
39	8,709	0.066	0.065	0.045	0.035	0	0.014	0.014	0	0.005	0	2006	34th. And Dix Streets, N.E.	Washington	Washington city
Grand Total						0			0		0	2005			
						0			0		0	2004			
						0			0		0	2006			

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## **Appendix B**

### **MOBILE6 Data**



```

MOBILE6 INPUT FILE :
> HEADER: State - MD / County - Montgomery

REPORT FILE      : 2007mont.out REPLACE
DATABASE OUTPUT  :
WITH FIELDNAMES  :
Pollutants       : CO
DAILY OUTPUT     :
EMISSIONS TABLE : 2007mont.TB1 REPLACE
SPREADSHEET      : 2007mont.TAB REPLACE
AGGREGATED OUTPUT :

RUN DATA       :
>COMMENTS
>24 031

EXPRESS HC AS VOC :
EXPAND EVAPORATIVE :
EXPAND EXHAUST    :

NO REFUELING      :
REBUILD EFFECTS   : 0.90
WE DA TRI LEN DI  : Ext_Data\Trip_Len\WeekTLD2.WDT
94+ LDG IMP       : Ext_Data\LEV\NLEVNE.D

FUEL PROGRAM      : 4
300.0 299.0 279.0 259.0 121.0 92.0 33.0 33.0
30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 303.0 303.0 87.0 87.0
80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

* MOBILE6 default winter oxygenated fuel.
OXYGENATED FUELS : 0.7000 0.3000 0.015 0.035 1

* Registration Distribution Source File - EXT_DATA\RDT\R02_MONT.RDT
REG DIST          : Ext_Data\RDT\R02_MONT.RDT

* Anti-Tampering Program Source File - C:\MWC0G\IM_ATP\MD_ATP_02_MP.ATP
ANTI-TAMP PROG    :
** Applicable for counties: Montgomery and Prince George's
89 77 50 22222 22222111 1 12 096. 12211112

* Inspection and Maintenance (I/M) Source File - C:\MWC0G\IM_ATP\MD_IM_02_MP.IM
** Applicable for counties: Montgomery and Prince George's

>IM Program 2002. Idle and IM240.
>IM240 All LDGV, LDGT, HDGT1 MY 84+ Phase in Cutpoints.

*IM240
I/M PROGRAM      : 3 1984 2050 2 T/O IM240
I/M MODEL YEARS  : 3 1984 2050
I/M VEHICLES     : 3 22222 21111111 1
I/M STRINGENCY   : 3 20.0
I/M COMPLIANCE   : 3 96.0
I/M WAIVER RATES : 3 11.0 15.0
I/M CUTPOINTS    : 3 Ext_Data\IM_ATP\MD.CO2
I/M GRACE PERIOD : 3 2

*Idle HDGT2
I/M PROGRAM      : 2 1984 2050 2 T/O Idle
I/M MODEL YEARS  : 2 1977 2050
I/M VEHICLES     : 2 11111 12222111 1
I/M STRINGENCY   : 2 20.0
I/M COMPLIANCE   : 2 96.0
I/M WAIVER RATES : 2 11.0 15.0
I/M GRACE PERIOD : 2 2

*Idle older LDGV, LDGT, HDGT1
I/M PROGRAM      : 1 1984 2050 2 T/O Idle
I/M MODEL YEARS  : 1 1977 1983
I/M VEHICLES     : 1 22222 21111111 1
I/M STRINGENCY   : 1 20.0
I/M COMPLIANCE   : 1 96.0
I/M WAIVER RATES : 1 11.0 15.0
I/M GRACE PERIOD : 1 2

* Diesel Sales Fractions Source File - C:\MWC0G\EXT_DATA\DSF\DO2_MONT
DIESEL FRACTIONS :
0.0001 0.0001 0.0004 0.0021 0.0015 0.0015 0.0012 0.0012 0.0008 0.0011
0.0014 0.0040 0.0006 0.0005 0.0008 0.0154 0.0102 0.0617 0.0864 0.1308
0.1700 0.1661 0.1152 0.0961 0.0096
0.0005 0.0007 0.0017 0.0058 0.0033 0.0082 0.0083 0.0089 0.0068 0.0071
0.0093 0.0086 0.0110 0.0169 0.0158 0.0150 0.0501 0.0384 0.0862 0.0909
0.2108 0.1458 0.1842 0.0235 0.0126
0.0005 0.0007 0.0017 0.0058 0.0033 0.0082 0.0083 0.0089 0.0068 0.0071
0.0093 0.0086 0.0110 0.0169 0.0158 0.0150 0.0501 0.0384 0.0862 0.0909
0.2108 0.1458 0.1842 0.0235 0.0126
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145
0.0115 0.0129 0.0096 0.0083 0.0072 0.0082 0.0124 0.0135 0.0169 0.0209
0.0256 0.0013 0.0006 0.0011 0.0001
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145
0.0115 0.0129 0.0096 0.0083 0.0072 0.0082 0.0124 0.0135 0.0169 0.0209
0.0256 0.0013 0.0006 0.0011 0.0001
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263
0.2784 0.2963 0.2384 0.2058 0.1756 0.1958 0.2726 0.2743 0.3004 0.2918
0.2859 0.0138 0.0000 0.0000 0.0000
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105
0.8068 0.8280 0.8477 0.7940 0.7488 0.7789 0.7842 0.6145 0.5139 0.5032
0.4277 0.0079 0.0000 0.0000 0.0001
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331
0.7901 0.7316 0.7275 0.7158 0.5647 0.3178 0.2207 0.1968 0.1570 0.0738
0.0341 0.0414 0.0003 0.0000 0.0000
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125
0.3462 0.2771 0.2730 0.2616 0.1543 0.0615 0.0383 0.0333 0.0255 0.0111
0.0049 0.0060 0.0000 0.0000 0.0000
0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767

```

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0.5289 0.5788 0.5617 0.4537 0.4216 0.4734 0.4705 0.4525 0.4310 0.3569  
0.3690 0.4413 0.3094 0.1679 0.1390  
0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266  
0.7972 0.8279 0.8177 0.7440 0.7184 0.7588 0.7567 0.7431 0.7261 0.6602  
0.6717 0.7344 0.6107 0.4140 0.3610  
0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989  
0.9977 0.9984 0.9982 0.9979 0.9969 0.9978 0.9980 0.9979 0.9976 0.9969  
0.9978 0.9982 0.9974 0.9965 0.9964  
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000  
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000  
1.0000 1.0000 1.0000 1.0000 1.0000  
0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795  
0.9900 0.9105 0.8760 0.7710 0.7502 0.7345 0.6733 0.5155 0.3845 0.3238  
0.3260 0.2639 0.0594 0.0460 0.0291

MIN/MAX TEMPERATURE: 33.00 53.00  
FUEL RVP : 12.90

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 1.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial  
CALENDAR YEAR : 2007  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 1.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
VMT FRACTIONS :  
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 2.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial  
CALENDAR YEAR : 2007  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 2.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
VMT FRACTIONS :  
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 3.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial  
CALENDAR YEAR : 2007  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 3.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
VMT FRACTIONS :  
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 4.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial  
CALENDAR YEAR : 2007  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 4.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
VMT FRACTIONS :  
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 5.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial  
CALENDAR YEAR : 2007  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 5.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
VMT FRACTIONS :  
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 6.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial  
CALENDAR YEAR : 2007  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 6.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
VMT FRACTIONS :  
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 7.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial  
CALENDAR YEAR : 2007  
EVALUATION MONTH : 1

ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021



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0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 16.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0

AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

2007mont.in

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

```

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1\X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 38.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 38.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1\X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 39.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 39.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1\X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 40.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 40.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1\X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 41.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 41.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1\X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 42.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 42.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1\X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 43.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 43.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1\X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 44.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 44.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1\X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 45.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial

```

CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 45.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 46.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 46.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 47.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 47.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 48.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 48.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 49.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 49.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 50.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 50.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 51.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 51.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 52.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 52.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

```

VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 53.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 53.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 54.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 54.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 55.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 55.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 56.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 56.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 57.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 57.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 58.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 58.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 59.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 59.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 60.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1

```

ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 60.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 61.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 61.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 62.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 62.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 63.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 63.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 64.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 64.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 65.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 65.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021



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0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0

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AVERAGE SPEED      : 10.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 11.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 11.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 12.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 12.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 13.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 13.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 14.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 14.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 15.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 15.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 16.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 16.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 17.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 17.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

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SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

```

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 26.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 26.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 27.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 27.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 28.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 28.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 29.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 29.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 30.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 30.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 31.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 31.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 32.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 32.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\VO2_MONT.VM
VMT FRACTIONS :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 33.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp

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CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 40.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 40.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM

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VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 41.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 41.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 42.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 42.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 43.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 43.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 44.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 44.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 45.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 45.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 46.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 46.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 47.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 47.0 Non-Ramp
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS      :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 48.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1

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ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 48.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS   :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 49.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp
CALENDAR YEAR   : 2007
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 49.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS   :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 50.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp
CALENDAR YEAR   : 2007
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 50.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS   :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 51.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp
CALENDAR YEAR   : 2007
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 51.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS   :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 52.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp
CALENDAR YEAR   : 2007
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 52.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS   :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 53.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp
CALENDAR YEAR   : 2007
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 53.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS   :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 54.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp
CALENDAR YEAR   : 2007
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 54.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS   :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021
0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 55.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp
CALENDAR YEAR   : 2007
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 55.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\VO2_MONT.VM
VMT FRACTIONS   :
0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021

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0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 56.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 56.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 57.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 57.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 58.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 58.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 59.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 59.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 60.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 60.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 61.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 61.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 62.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 62.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 63.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0

AVERAGE SPEED : 63.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 64.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 64.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 65.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 65.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 34.6 Month: 01 1  
 >FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : e:\aqprog\Mobile62\06mdcom\Ext\_Data\Vmt\_Fac\FV4.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : e:\aqprog\Mobile62\06mdcom\Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : e:\aqprog\Mobile62\06mdcom\Ext\_Data\OpMode\SOAKCOLD.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : e:\aqprog\Mobile62\06mdcom\Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : e:\aqprog\Mobile62\06mdcom\Ext\_Data\OpMode\SOAKHOT.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_MONT.VM  
 VMT FRACTIONS :  
 0.4594 0.0790 0.2630 0.0785 0.0361 0.0243 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0080 0.0279 0.0000 0.0000 0.0046

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : e:\aqprog\Mobile62\06mdcom\Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM  
 VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM  
 VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

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SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 2.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 2.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 3.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 3.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 4.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 4.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 5.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 5.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 6.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 6.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 7.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 7.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 8.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 8.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 9.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 9.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

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* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 10.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 10.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 11.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 11.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 12.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 12.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 13.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 13.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 14.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 14.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 15.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 15.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 16.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art_Loc
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 16.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L02_MONT.VM
VMT FRACTIONS :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 17.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art_Loc

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CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

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VMT FRACTIONS      :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 25.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art_Loc
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 25.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS      :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 26.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art_Loc
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 26.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS      :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 27.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art_Loc
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 27.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS      :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 28.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art_Loc
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 28.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS      :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 29.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art_Loc
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 29.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS      :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 30.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art_Loc
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 30.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS      :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 31.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art_Loc
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 31.0 Arterial
SOAK DISTRIBUTION   : Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L02_MONT.VM
VMT FRACTIONS      :
0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005
0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD    : St & Cnty: 24031 Mont MY: 2007 Speed: 32.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art_Loc
CALENDAR YEAR      : 2007
EVALUATION MONTH   : 1

```

ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM

VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005



2007mont.in

0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 40.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 40.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM  
 VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 41.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 41.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM  
 VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 42.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 42.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM  
 VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 43.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 43.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM  
 VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 44.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 44.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM  
 VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

SCENARIO RECORD : St & Cnty: 24031 Mont MY: 2007 Speed: 45.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 45.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_MONT.VM  
 VMT FRACTIONS :  
 0.4903 0.0843 0.2808 0.0838 0.0385 0.0053 0.0005 0.0005  
 0.0003 0.0013 0.0016 0.0017 0.0062 0.0000 0.0000 0.0049

END OF RUN :

\*\*\*\*\*  
 \* MOBILE6.2.03 (24-Sep-2003) \*  
 \* Input file: 2007MONT.IN (file 1, run 1). \*  
 \*\*\*\*\*

## \*COMMENTS

\*24 031

M603 Comment:

User has disabled the calculation of REFUELING emissions.

\* Reading non-default WEEKDAY RUNNING LOSS HOURLY TRIP LENGTH FRACTIONS  
 \* from the following external data file: EXT\_DATA\TRIP\_LEN\WEEKTLD2.WDT

\* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external  
 \* data file: EXT\_DATA\LEV\NLEVNE.D

M616 Comment:

User has supplied post-1999 sulfur levels.

\* Reading Registration Distributions from the following external  
 \* data file: EXT\_DATA\RDTR02\_MONT.RDT

M 49 Warning:

1.00 MYR sum not = 1. (will normalize)

M 49 Warning:

1.00 MYR sum not = 1. (will normalize)

M 49 Warning:

1.00 MYR sum not = 1. (will normalize)

M 49 Warning:

1.00 MYR sum not = 1. (will normalize)

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1.00 MYR sum not = 1. (will normalize)

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1.00 MYR sum not = 1. (will normalize)

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1.00 MYR sum not = 1. (will normalize)

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1.00 MYR sum not = 1. (will normalize)

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1.00 MYR sum not = 1. (will normalize)

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1.00 MYR sum not = 1. (will normalize)

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1.00 MYR sum not = 1. (will normalize)

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1.00 MYR sum not = 1. (will normalize)

\*IM Program 2002. Idle and IM240.

\*IM240 All LDGV, LDGT, HDGT1 MY 84+ Phase in Cutoffs.

\* Reading non-default I/M CUTOFFS from the following external

\* data file: EXT\_DATA\IM\_ATP\MD.CO2

\* CY 2002 Phase in Cutoffs Beginning November 2000.

M614 Comment:

User supplied diesel sale fractions.

\* #####

\* St &amp; Cnty: 24031 Mont MY: 2007 Speed: 1.00 Month: 01 1

\* File 1, Run 1, Scenario 1.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial

M 52 Warning:

1.00 speed increased to 2.5 mph minimum

M583 Warning:

The user supplied arterial average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

\*\*\* I/M credits for Tech1&amp;2 vehicles were read from the following external

data file: TECH12.D

M 48 Warning:

there are no sales for vehicle class HDGV8b

HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.4579	0.3400	0.1130	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000	
Composite Emission Factors (g/mi):	22.36	18.61	34.91	22.68	54.11	3.808	2.267	10.956	92.24	22.790

## Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	22.36	18.61	34.91	22.68		3.808	2.267		92.240	
CO Total Exhaust:	22.36	18.61	34.91	22.68	54.11	3.808	2.267	10.956	92.24	22.790

\* #####

\* St &amp; Cnty: 24031 Mont MY: 2007 Speed: 2.00 Month: 01 1

\* File 1, Run 1, Scenario 2.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial

M 52 Warning:

2.00 speed increased to 2.5 mph minimum

M583 Warning:

The user supplied arterial average speed of 2.5 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	22.36	18.61	34.91	22.68	54.11	3.808	2.267	10.956	92.24	22.790
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## Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	22.36	18.61	34.91	22.68		3.808	2.267		92.240	
CO Total Exhaust:	22.36	18.61	34.91	22.68	54.11	3.808	2.267	10.956	92.24	22.790

\* #####

\* St &amp; Cnty: 24031 Mont MY: 2007 Speed: 3.00 Month: 01 1

\* File 1, Run 1, Scenario 3.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 3.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
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2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	18.92	15.90	29.68	19.34	50.49	3.575	2.128	10.286	79.21	19.522
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	18.92	15.90	29.68	19.34		3.575	2.128		79.205	
CO Total Exhaust:	18.92	15.90	29.68	19.34	50.49	3.575	2.128	10.286	79.21	19.522

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 4.00 Month: 01 1

\* File 1, Run 1, Scenario 4.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 4.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	14.62	12.50	23.16	15.16	45.95	3.283	1.955	9.447	62.91	15.436
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	14.62	12.50	23.16	15.16		3.283	1.955		62.912	
CO Total Exhaust:	14.62	12.50	23.16	15.16	45.95	3.283	1.955	9.447	62.91	15.436

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 5.00 Month: 01 1

\* File 1, Run 1, Scenario 5.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 5.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	12.05	10.46	19.24	12.65	43.23	3.108	1.851	8.944	53.14	12.985
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	12.05	10.46	19.24	12.65		3.108	1.851		53.137	
CO Total Exhaust:	12.05	10.46	19.24	12.65	43.23	3.108	1.851	8.944	53.14	12.985

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 6.00 Month: 01 1

\* File 1, Run 1, Scenario 6.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 6.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	10.49	9.18	16.83	11.09	38.41	2.787	1.659	8.018	43.93	11.362
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.49	9.18	16.83	11.09		2.787	1.659		43.934	
CO Total Exhaust:	10.49	9.18	16.83	11.09	38.41	2.787	1.659	8.018	43.93	11.362

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 7.00 Month: 01 1

\* File 1, Run 1, Scenario 7.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 7.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	9.39	8.27	15.11	9.97	34.97	2.557	1.523	7.357	37.36	10.203
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	9.39	8.27	15.11	9.97		2.557	1.523		37.360	
CO Total Exhaust:	9.39	8.27	15.11	9.97	34.97	2.557	1.523	7.357	37.36	10.203

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 8.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 8.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	8.56	7.58	13.82	9.14	32.38	2.384	1.420	6.861	32.43	9.334
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.56	7.58	13.82	9.14		2.384	1.420		32.430	
CO Total Exhaust:	8.56	7.58	13.82	9.14	32.38	2.384	1.420	6.861	32.43	9.334

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 9.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 9.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

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2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.91	7.05	12.82	8.48	30.37	2.250	1.340	6.476	28.60	8.658
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.91	7.05	12.82	8.48		2.250	1.340		28.595	
CO Total Exhaust:	7.91	7.05	12.82	8.48	30.37	2.250	1.340	6.476	28.60	8.658

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 10.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 10.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.39	6.62	12.01	7.96	28.76	2.143	1.276	6.167	25.53	8.117
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.39	6.62	12.01	7.96		2.143	1.276		25.528	
CO Total Exhaust:	7.39	6.62	12.01	7.96	28.76	2.143	1.276	6.167	25.53	8.117

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 11.0 Month: 01 1

\* File 1, Run 1, Scenario 11.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 11.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.04	6.30	11.44	7.58	26.43	1.981	1.179	5.699	23.09	7.689
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.04	6.30	11.44	7.58		1.981	1.179		23.088	
CO Total Exhaust:	7.04	6.30	11.44	7.58	26.43	1.981	1.179	5.699	23.09	7.689

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 12.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 12.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.74	6.03	10.95	7.26	24.49	1.845	1.099	5.309	21.05	7.333
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.74	6.03	10.95	7.26		1.845	1.099		21.054	
CO Total Exhaust:	6.74	6.03	10.95	7.26	24.49	1.845	1.099	5.309	21.05	7.333

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 13.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 13.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

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2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.49	5.81	10.55	6.99	22.85	1.730	1.030	4.979	19.33	7.031
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.49	5.81	10.55	6.99		1.730	1.030		19.334	
CO Total Exhaust:	6.49	5.81	10.55	6.99	22.85	1.730	1.030	4.979	19.33	7.031

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 14.0 Month: 01 1

\* File 1, Run 1, Scenario 14.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 14.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.27	5.62	10.20	6.76	21.44	1.632	0.972	4.696	17.86	6.773
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.27	5.62	10.20	6.76		1.632	0.972		17.859	
CO Total Exhaust:	6.27	5.62	10.20	6.76	21.44	1.632	0.972	4.696	17.86	6.773

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 15.0 Month: 01 1

\* File 1, Run 1, Scenario 15.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 15.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.09	5.45	9.90	6.56	20.22	1.547	0.921	4.450	16.58	6.549
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.09	5.45	9.90	6.56		1.547	0.921		16.581	
CO Total Exhaust:	6.09	5.45	9.90	6.56	20.22	1.547	0.921	4.450	16.58	6.549

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 16.0 Month: 01 1

\* File 1, Run 1, Scenario 16.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 16.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.92	5.30	9.63	6.38	18.92	1.452	0.865	4.178	15.55	6.345
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.92	5.30	9.63	6.38		1.452	0.865		15.551	
CO Total Exhaust:	5.92	5.30	9.63	6.38	18.92	1.452	0.865	4.178	15.55	6.345

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 17.0 Month: 01 1

\* File 1, Run 1, Scenario 17.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 17.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.78	5.17	9.40	6.23	17.77	1.368	0.815	3.938	14.64	6.164
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.78	5.17	9.40	6.23		1.368	0.815		14.642	
CO Total Exhaust:	5.78	5.17	9.40	6.23	17.77	1.368	0.815	3.938	14.64	6.164

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 18.0 Month: 01 1

\* File 1, Run 1, Scenario 18.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 18.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.65	5.06	9.19	6.09	16.75	1.294	0.771	3.724	13.83	6.004
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.65	5.06	9.19	6.09		1.294	0.771		13.835	
CO Total Exhaust:	5.65	5.06	9.19	6.09	16.75	1.294	0.771	3.724	13.83	6.004

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 19.0 Month: 01 1

\* File 1, Run 1, Scenario 19.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 19.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.54	4.96	9.01	5.97	15.84	1.228	0.731	3.533	13.11	5.861
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.54	4.96	9.01	5.97		1.228	0.731		13.112	
CO Total Exhaust:	5.54	4.96	9.01	5.97	15.84	1.228	0.731	3.533	13.11	5.861

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 20.0 Month: 01 1

\* File 1, Run 1, Scenario 20.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 20.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.43	4.87	8.84	5.86	15.02	1.168	0.696	3.361	12.46	5.732
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.43	4.87	8.84	5.86		1.168	0.696		12.462	
CO Total Exhaust:	5.43	4.87	8.84	5.86	15.02	1.168	0.696	3.361	12.46	5.732

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 21.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 21.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.35	4.79	8.71	5.77	14.25	1.110	0.661	3.193	11.86	5.624
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.35	4.79	8.71	5.77		1.110	0.661		11.860	
CO Total Exhaust:	5.35	4.79	8.71	5.77	14.25	1.110	0.661	3.193	11.86	5.624

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 22.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 22.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.27	4.72	8.59	5.69	13.55	1.057	0.629	3.041	11.31	5.525
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.27	4.72	8.59	5.69		1.057	0.629		11.314	
CO Total Exhaust:	5.27	4.72	8.59	5.69	13.55	1.057	0.629	3.041	11.31	5.525

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 23.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 23.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.21	4.66	8.48	5.61	12.91	1.008	0.600	2.902	10.81	5.436
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.21	4.66	8.48	5.61		1.008	0.600		10.815	
CO Total Exhaust:	5.21	4.66	8.48	5.61	12.91	1.008	0.600	2.902	10.81	5.436

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 24.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 24.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.14	4.60	8.38	5.55	12.32	0.964	0.574	2.774	10.36	5.353
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.14	4.60	8.38	5.55		0.964	0.574		10.357	
CO Total Exhaust:	5.14	4.60	8.38	5.55	12.32	0.964	0.574	2.774	10.36	5.353

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 25.0 Month: 01 1

\* File 1, Run 1, Scenario 25.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 25.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.09	4.55	8.29	5.48	11.78	0.923	0.550	2.656	9.94	5.278
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.09	4.55	8.29	5.48		0.923	0.550		9.937	
CO Total Exhaust:	5.09	4.55	8.29	5.48	11.78	0.923	0.550	2.656	9.94	5.278

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\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 26.0 Month: 01 1

\* File 1, Run 1, Scenario 26.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 26.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.05	4.52	8.24	5.45	11.32	0.886	0.528	2.550	9.52	5.231
----------------	------	------	------	------	-------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.05	4.52	8.24	5.45		0.886	0.528		9.515	
CO Total Exhaust:	5.05	4.52	8.24	5.45	11.32	0.886	0.528	2.550	9.52	5.231

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 27.0 Month: 01 1

\* File 1, Run 1, Scenario 27.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 27.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.03	4.50	8.19	5.42	10.89	0.852	0.507	2.452	9.12	5.187
----------------	------	------	------	------	-------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.03	4.50	8.19	5.42		0.852	0.507		9.125	
CO Total Exhaust:	5.03	4.50	8.19	5.42	10.89	0.852	0.507	2.452	9.12	5.187

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 28.0 Month: 01 1

\* File 1, Run 1, Scenario 28.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 28.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.00	4.48	8.14	5.39	10.49	0.821	0.489	2.361	8.76	5.147
----------------	------	------	------	------	-------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.00	4.48	8.14	5.39		0.821	0.489		8.762	
CO Total Exhaust:	5.00	4.48	8.14	5.39	10.49	0.821	0.489	2.361	8.76	5.147

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 29.0 Month: 01 1

\* File 1, Run 1, Scenario 29.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 29.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---



2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	4.98	4.46	8.10	5.37	10.12	0.791	0.471	2.276	8.42	5.109
----------------	------	------	------	------	-------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.98	4.46	8.10	5.37		0.791	0.471		8.425	
CO Total Exhaust:	4.98	4.46	8.10	5.37	10.12	0.791	0.471	2.276	8.42	5.109

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 30.0 Month: 01 1

\* File 1, Run 1, Scenario 30.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 30.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	4.95	4.44	8.06	5.34	9.77	0.764	0.455	2.197	8.11	5.074
----------------	------	------	------	------	------	-------	-------	-------	------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.95	4.44	8.06	5.34		0.764	0.455		8.110	
CO Total Exhaust:	4.95	4.44	8.06	5.34	9.77	0.764	0.455	2.197	8.11	5.074

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 31.0 Month: 01 1

\* File 1, Run 1, Scenario 31.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 31.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	4.97	4.46	8.09	5.36	9.49	0.740	0.441	2.131	7.80	5.079
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.97	4.46	8.09	5.36		0.740	0.441		7.804	
CO Total Exhaust:	4.97	4.46	8.09	5.36	9.49	0.740	0.441	2.131	7.80	5.079

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 32.0 Month: 01 1

\* File 1, Run 1, Scenario 32.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 32.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	4.99	4.47	8.11	5.38	9.24	0.719	0.428	2.068	7.52	5.083
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.99	4.47	8.11	5.38		0.719	0.428		7.518	
CO Total Exhaust:	4.99	4.47	8.11	5.38	9.24	0.719	0.428	2.068	7.52	5.083

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 33.0 Month: 01 1

\* File 1, Run 1, Scenario 33.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 33.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.00	4.49	8.13	5.40	9.00	0.698	0.416	2.009	7.25	5.088
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.00	4.49	8.13	5.40		0.698	0.416		7.248	
CO Total Exhaust:	5.00	4.49	8.13	5.40	9.00	0.698	0.416	2.009	7.25	5.088

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 34.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 34.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.02	4.50	8.16	5.41	8.77	0.679	0.404	1.954	7.00	5.092
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.02	4.50	8.16	5.41		0.679	0.404		6.995	
CO Total Exhaust:	5.02	4.50	8.16	5.41	8.77	0.679	0.404	1.954	7.00	5.092

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 35.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 35.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.03	4.51	8.18	5.43	8.56	0.661	0.394	1.902	6.76	5.096
----------------	------	------	------	------	------	-------	-------	-------	------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.03	4.51	8.18	5.43		0.661	0.394		6.756	
CO Total Exhaust:	5.03	4.51	8.18	5.43	8.56	0.661	0.394	1.902	6.76	5.096

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 36.0 Month: 01 1

\* File 1, Run 1, Scenario 36.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 36.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.12	4.59	8.31	5.52	8.41	0.647	0.385	1.862	6.55	5.172
----------------	------	------	------	------	------	-------	-------	-------	------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.12	4.59	8.31	5.52		0.647	0.385		6.547	
CO Total Exhaust:	5.12	4.59	8.31	5.52	8.41	0.647	0.385	1.862	6.55	5.172

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 37.0 Month: 01 1

\* File 1, Run 1, Scenario 37.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 37.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.20	4.67	8.43	5.61	8.28	0.634	0.378	1.825	6.35	5.244
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.20	4.67	8.43	5.61		0.634	0.378		6.350	
CO Total Exhaust:	5.20	4.67	8.43	5.61	8.28	0.634	0.378	1.825	6.35	5.244

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 38.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 38.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.28	4.75	8.55	5.69	8.15	0.622	0.370	1.789	6.16	5.313
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.28	4.75	8.55	5.69		0.622	0.370		6.162	
CO Total Exhaust:	5.28	4.75	8.55	5.69	8.15	0.622	0.370	1.789	6.16	5.313

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 39.0 Month: 01 1

\* File 1, Run 1, Scenario 39.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 39.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.35	4.82	8.66	5.77	8.03	0.610	0.363	1.755	5.98	5.378
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.35	4.82	8.66	5.77		0.610	0.363		5.985	
CO Total Exhaust:	5.35	4.82	8.66	5.77	8.03	0.610	0.363	1.755	5.98	5.378

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 40.0 Month: 01 1

\* File 1, Run 1, Scenario 40.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 40.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.42	4.88	8.77	5.85	7.92	0.599	0.357	1.723	5.82	5.439
----------------	------	------	------	------	------	-------	-------	-------	------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.42	4.88	8.77	5.85		0.599	0.357		5.816	
CO Total Exhaust:	5.42	4.88	8.77	5.85	7.92	0.599	0.357	1.723	5.82	5.439

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 41.0 Month: 01 1

\* File 1, Run 1, Scenario 41.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 41.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.51	4.96	8.90	5.94	7.88	0.592	0.353	1.704	5.69	5.518
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.51	4.96	8.90	5.94		0.592	0.353		5.685	
CO Total Exhaust:	5.51	4.96	8.90	5.94	7.88	0.592	0.353	1.704	5.69	5.518

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 42.0 Month: 01 1  
 \* File 1, Run 1, Scenario 42.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.59	5.04	9.02	6.03	7.84	0.586	0.349	1.685	5.56	5.594
----------------	------	------	------	------	------	-------	-------	-------	------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.59	5.04	9.02	6.03		0.586	0.349		5.561	
CO Total Exhaust:	5.59	5.04	9.02	6.03	7.84	0.586	0.349	1.685	5.56	5.594

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 43.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.67	5.12	9.14	6.12	7.81	0.579	0.345	1.667	5.44	5.666
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.67	5.12	9.14	6.12		0.579	0.345		5.443	
CO Total Exhaust:	5.67	5.12	9.14	6.12	7.81	0.579	0.345	1.667	5.44	5.666

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 44.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.75	5.19	9.25	6.20	7.77	0.573	0.341	1.650	5.33	5.734
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.75	5.19	9.25	6.20		0.573	0.341		5.330	
CO Total Exhaust:	5.75	5.19	9.25	6.20	7.77	0.573	0.341	1.650	5.33	5.734

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 45.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---



2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.82	5.25	9.35	6.28	7.74	0.568	0.338	1.634	5.22	5.800
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.82	5.25	9.35	6.28		0.568	0.338		5.222	
CO Total Exhaust:	5.82	5.25	9.35	6.28	7.74	0.568	0.338	1.634	5.22	5.800

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 46.0 Month: 01 1

\* File 1, Run 1, Scenario 46.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 46.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.90	5.33	9.48	6.37	7.80	0.567	0.338	1.631	5.17	5.882
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.90	5.33	9.48	6.37		0.567	0.338		5.169	
CO Total Exhaust:	5.90	5.33	9.48	6.37	7.80	0.567	0.338	1.631	5.17	5.882

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 47.0 Month: 01 1

\* File 1, Run 1, Scenario 47.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 47.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.98	5.41	9.60	6.46	7.85	0.566	0.337	1.629	5.12	5.960
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.98	5.41	9.60	6.46		0.566	0.337		5.119	
CO Total Exhaust:	5.98	5.41	9.60	6.46	7.85	0.566	0.337	1.629	5.12	5.960

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 48.0 Month: 01 1

\* File 1, Run 1, Scenario 48.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 48.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.06	5.48	9.72	6.54	7.90	0.565	0.336	1.626	5.07	6.035
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.06	5.48	9.72	6.54		0.565	0.336		5.070	
CO Total Exhaust:	6.06	5.48	9.72	6.54	7.90	0.565	0.336	1.626	5.07	6.035

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 49.0 Month: 01 1

\* File 1, Run 1, Scenario 49.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 49.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.14	5.56	9.83	6.62	7.95	0.564	0.336	1.624	5.02	6.107
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.14	5.56	9.83	6.62		0.564	0.336		5.024	
CO Total Exhaust:	6.14	5.56	9.83	6.62	7.95	0.564	0.336	1.624	5.02	6.107

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 50.0 Month: 01 1

\* File 1, Run 1, Scenario 50.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 50.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.21	5.62	9.94	6.70	8.00	0.563	0.336	1.621	4.98	6.177
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.21	5.62	9.94	6.70		0.563	0.336		4.979	
CO Total Exhaust:	6.21	5.62	9.94	6.70	8.00	0.563	0.336	1.621	4.98	6.177

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 51.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 51.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.30	5.70	10.07	6.79	8.16	0.568	0.338	1.635	4.98	6.261
----------------	------	------	-------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.30	5.70	10.07	6.79		0.568	0.338		4.979	
CO Total Exhaust:	6.30	5.70	10.07	6.79	8.16	0.568	0.338	1.635	4.98	6.261

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 52.0 Month: 01 1  
 \* File 1, Run 1, Scenario 52.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 52.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.38	5.78	10.19	6.88	8.31	0.573	0.341	1.648	4.98	6.343
----------------	------	------	-------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.38	5.78	10.19	6.88		0.573	0.341		4.979	
CO Total Exhaust:	6.38	5.78	10.19	6.88	8.31	0.573	0.341	1.648	4.98	6.343

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 53.0 Month: 01 1  
 \* File 1, Run 1, Scenario 53.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.46	5.85	10.31	6.97	8.45	0.577	0.344	1.660	4.98	6.421
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.46	5.85	10.31	6.97		0.577	0.344		4.979	
CO Total Exhaust:	6.46	5.85	10.31	6.97	8.45	0.577	0.344	1.660	4.98	6.421

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 54.0 Month: 01 1

\* File 1, Run 1, Scenario 54.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 54.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.53	5.93	10.42	7.05	8.59	0.581	0.346	1.672	4.98	6.497
----------------	------	------	-------	------	------	-------	-------	-------	------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.53	5.93	10.42	7.05		0.581	0.346		4.979	
CO Total Exhaust:	6.53	5.93	10.42	7.05	8.59	0.581	0.346	1.672	4.98	6.497

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 55.0 Month: 01 1

\* File 1, Run 1, Scenario 55.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 55.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.60	5.99	10.53	7.13	8.73	0.585	0.348	1.684	4.98	6.569
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.60	5.99	10.53	7.13		0.585	0.348		4.979	
CO Total Exhaust:	6.60	5.99	10.53	7.13	8.73	0.585	0.348	1.684	4.98	6.569

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 56.0 Month: 01 1  
 \* File 1, Run 1, Scenario 56.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 56.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.69	6.07	10.66	7.22	9.02	0.596	0.355	1.715	6.26	6.664
----------------	------	------	-------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.69	6.07	10.66	7.22		0.596	0.355		6.264	
CO Total Exhaust:	6.69	6.07	10.66	7.22	9.02	0.596	0.355	1.715	6.26	6.664

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 57.0 Month: 01 1  
 \* File 1, Run 1, Scenario 57.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.77	6.15	10.78	7.30	9.29	0.607	0.361	1.745	7.50	6.754
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.77	6.15	10.78	7.30		0.607	0.361		7.504	
CO Total Exhaust:	6.77	6.15	10.78	7.30	9.29	0.607	0.361	1.745	7.50	6.754

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 58.0 Month: 01 1

\* File 1, Run 1, Scenario 58.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 58.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.85	6.23	10.89	7.39	9.56	0.617	0.367	1.774	8.70	6.842
----------------	------	------	-------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.85	6.23	10.89	7.39		0.617	0.367		8.701	
CO Total Exhaust:	6.85	6.23	10.89	7.39	9.56	0.617	0.367	1.774	8.70	6.842

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 59.0 Month: 01 1

\* File 1, Run 1, Scenario 59.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 59.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.92	6.30	11.01	7.47	9.82	0.626	0.373	1.803	9.86	6.927
----------------	------	------	-------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.92	6.30	11.01	7.47		0.626	0.373		9.857	
CO Total Exhaust:	6.92	6.30	11.01	7.47	9.82	0.626	0.373	1.803	9.86	6.927

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 60.0 Month: 01 1

\* File 1, Run 1, Scenario 60.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 60.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.00	6.37	11.12	7.55	10.07	0.636	0.379	1.830	10.98	7.008
----------------	------	------	-------	------	-------	-------	-------	-------	-------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.00	6.37	11.12	7.55		0.636	0.379		10.975	
CO Total Exhaust:	7.00	6.37	11.12	7.55	10.07	0.636	0.379	1.830	10.98	7.008

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 61.0 Month: 01 1

\* File 1, Run 1, Scenario 61.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 61.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---



2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.08	6.44	11.24	7.64	10.53	0.655	0.390	1.883	12.25	7.107
----------------	------	------	-------	------	-------	-------	-------	-------	-------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.08	6.44	11.24	7.64		0.655	0.390		12.253	
CO Total Exhaust:	7.08	6.44	11.24	7.64	10.53	0.655	0.390	1.883	12.25	7.107

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 62.0 Month: 01 1

\* File 1, Run 1, Scenario 62.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 62.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.16	6.52	11.36	7.73	10.99	0.673	0.400	1.935	13.49	7.203
----------------	------	------	-------	------	-------	-------	-------	-------	-------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.16	6.52	11.36	7.73		0.673	0.400		13.490	
CO Total Exhaust:	7.16	6.52	11.36	7.73	10.99	0.673	0.400	1.935	13.49	7.203

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 63.0 Month: 01 1

\* File 1, Run 1, Scenario 63.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 63.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.24	6.60	11.48	7.81	11.43	0.690	0.411	1.986	14.69	7.296
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.24	6.60	11.48	7.81		0.690	0.411		14.687	
CO Total Exhaust:	7.24	6.60	11.48	7.81	11.43	0.690	0.411	1.986	14.69	7.296

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 64.0 Month: 01 1

\* File 1, Run 1, Scenario 64.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 64.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.32	6.67	11.60	7.90	11.85	0.707	0.421	2.034	15.85	7.386
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.32	6.67	11.60	7.90		0.707	0.421		15.847	
CO Total Exhaust:	7.32	6.67	11.60	7.90	11.85	0.707	0.421	2.034	15.85	7.386

---

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 65.0 Month: 01 1

\* File 1, Run 1, Scenario 65.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 65.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

2007MONT. OUT

Composite Emission Factors (g/mi):										
Composite CO :	7.39	6.74	11.71	7.98	12.26	0.723	0.431	2.081	16.97	7.473

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.39	6.74	11.71	7.98		0.723	0.431		16.971	
CO Total Exhaust:	7.39	6.74	11.71	7.98	12.26	0.723	0.431	2.081	16.97	7.473

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 1.00 Month: 01 1  
 \* File 1, Run 1, Scenario 66.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp

M 52 Warning:  
 1.00 speed increased to 2.5 mph minimum  
 M581 Warning:  
 The user supplied freeway average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	22.36	18.61	34.91	22.68	54.11	3.808	2.267	10.956	92.24	22.790

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	22.36	18.61	34.91	22.68		3.808	2.267		92.240	
CO Total Exhaust:	22.36	18.61	34.91	22.68	54.11	3.808	2.267	10.956	92.24	22.790

---

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 67.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp

M 52 Warning:  
 2.00 speed increased to 2.5 mph minimum  
 M581 Warning:  
 The user supplied freeway average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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Vehi cl e Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT HDDV MC AII Veh

2007MONT. OUT										
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	14.62	12.50	23.16	15.16	45.95	3.283	1.955	9.447	62.91	15.436
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	14.62	12.50	23.16	15.16		3.283	1.955		62.912	
CO Total Exhaust:	14.62	12.50	23.16	15.16	45.95	3.283	1.955	9.447	62.91	15.436

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 5.00 Month: 01 1  
 \* File 1, Run 1, Scenario 70.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	12.05	10.46	19.24	12.65	43.23	3.108	1.851	8.944	53.14	12.985
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	12.05	10.46	19.24	12.65		3.108	1.851		53.137	
CO Total Exhaust:	12.05	10.46	19.24	12.65	43.23	3.108	1.851	8.944	53.14	12.985

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 6.00 Month: 01 1  
 \* File 1, Run 1, Scenario 71.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.30	9.00	16.54	10.88	38.41	2.787	1.659	8.018	43.93	11.180
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.30	9.00	16.54	10.88		2.787	1.659		43.934	
CO Total Exhaust:	10.30	9.00	16.54	10.88	38.41	2.787	1.659	8.018	43.93	11.180

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 72.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	9.06	7.96	14.61	9.62	34.97	2.557	1.523	7.357	37.36	9.891
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	9.06	7.96	14.61	9.62		2.557	1.523		37.360	
CO Total Exhaust:	9.06	7.96	14.61	9.62	34.97	2.557	1.523	7.357	37.36	9.891

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 8.00 Month: 01 1  
 \* File 1, Run 1, Scenario 73.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 8.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.12	7.18	13.16	8.67	32.38	2.384	1.420	6.861	32.43	8.924
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.12	7.18	13.16	8.67		2.384	1.420		32.430	
CO Total Exhaust:	8.12	7.18	13.16	8.67	32.38	2.384	1.420	6.861	32.43	8.924

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 9.00 Month: 01 1  
 \* File 1, Run 1, Scenario 74.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 9.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.40	6.57	12.03	7.93	30.37	2.250	1.340	6.476	28.60	8.173
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.40	6.57	12.03	7.93		2.250	1.340		28.595	
CO Total Exhaust:	7.40	6.57	12.03	7.93	30.37	2.250	1.340	6.476	28.60	8.173

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 10.0 Month: 01 1  
 \* File 1, Run 1, Scenario 75.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						





2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.11	5.46	10.01	6.59	24.49	1.845	1.099	5.309	21.05	6.743
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.11	5.46	10.01	6.59		1.845	1.099		21.054	
CO Total Exhaust:	6.11	5.46	10.01	6.59	24.49	1.845	1.099	5.309	21.05	6.743

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 13.0 Month: 01 1  
 \* File 1, Run 1, Scenario 78.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 13.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.85	5.22	9.57	6.30	22.85	1.730	1.030	4.979	19.33	6.425
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.85	5.22	9.57	6.30		1.730	1.030		19.334	
CO Total Exhaust:	5.85	5.22	9.57	6.30	22.85	1.730	1.030	4.979	19.33	6.425

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 79.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.62	5.01	9.20	6.05	21.44	1.632	0.972	4.696	17.86	6.152
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.62	5.01	9.20	6.05		1.632	0.972		17.859	
CO Total Exhaust:	5.62	5.01	9.20	6.05	21.44	1.632	0.972	4.696	17.86	6.152

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 80.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.42	4.83	8.88	5.84	20.22	1.547	0.921	4.450	16.58	5.915
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.42	4.83	8.88	5.84		1.547	0.921		16.581	
CO Total Exhaust:	5.42	4.83	8.88	5.84	20.22	1.547	0.921	4.450	16.58	5.915

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 81.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh



2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.26	4.70	8.60	5.67	16.75	1.294	0.771	3.724	13.83	5.635
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.26	4.70	8.60	5.67		1.294	0.771		13.835	
CO Total Exhaust:	5.26	4.70	8.60	5.67	16.75	1.294	0.771	3.724	13.83	5.635

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 84.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.22	4.66	8.53	5.63	15.84	1.228	0.731	3.533	13.11	5.561
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.22	4.66	8.53	5.63		1.228	0.731		13.112	
CO Total Exhaust:	5.22	4.66	8.53	5.63	15.84	1.228	0.731	3.533	13.11	5.561

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 85.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh



2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.12	4.58	8.35	5.52	13.55	1.057	0.629	3.041	11.31	5.377
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.12	4.58	8.35	5.52		1.057	0.629		11.314	
CO Total Exhaust:	5.12	4.58	8.35	5.52	13.55	1.057	0.629	3.041	11.31	5.377

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 23.0 Month: 01 1  
 \* File 1, Run 1, Scenario 88.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 23.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.09	4.55	8.30	5.49	12.91	1.008	0.600	2.902	10.81	5.326
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.09	4.55	8.30	5.49		1.008	0.600		10.815	
CO Total Exhaust:	5.09	4.55	8.30	5.49	12.91	1.008	0.600	2.902	10.81	5.326

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 24.0 Month: 01 1  
 \* File 1, Run 1, Scenario 89.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.06	4.53	8.25	5.46	12.32	0.964	0.574	2.774	10.36	5.279
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.06	4.53	8.25	5.46		0.964	0.574		10.357	
CO Total Exhaust:	5.06	4.53	8.25	5.46	12.32	0.964	0.574	2.774	10.36	5.279

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 25.0 Month: 01 1  
 \* File 1, Run 1, Scenario 90.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.04	4.51	8.21	5.44	11.78	0.923	0.550	2.656	9.94	5.236
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.04	4.51	8.21	5.44		0.923	0.550		9.937	
CO Total Exhaust:	5.04	4.51	8.21	5.44	11.78	0.923	0.550	2.656	9.94	5.236

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 26.0 Month: 01 1  
 \* File 1, Run 1, Scenario 91.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.02	4.49	8.17	5.41	11.32	0.886	0.528	2.550	9.52	5.197
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.02	4.49	8.17	5.41		0.886	0.528		9.515	
CO Total Exhaust:	5.02	4.49	8.17	5.41	11.32	0.886	0.528	2.550	9.52	5.197

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 27.0 Month: 01 1  
 \* File 1, Run 1, Scenario 92.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.00	4.48	8.14	5.39	10.89	0.852	0.507	2.452	9.12	5.160
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.00	4.48	8.14	5.39		0.852	0.507		9.125	
CO Total Exhaust:	5.00	4.48	8.14	5.39	10.89	0.852	0.507	2.452	9.12	5.160

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 28.0 Month: 01 1  
 \* File 1, Run 1, Scenario 93.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh



2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.98	4.46	8.10	5.37	10.49	0.821	0.489	2.361	8.76	5.127
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.98	4.46	8.10	5.37		0.821	0.489		8.762	
CO Total Exhaust:	4.98	4.46	8.10	5.37	10.49	0.821	0.489	2.361	8.76	5.127

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 94.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.96	4.45	8.07	5.35	10.12	0.791	0.471	2.276	8.42	5.096
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.96	4.45	8.07	5.35		0.791	0.471		8.425	
CO Total Exhaust:	4.96	4.45	8.07	5.35	10.12	0.791	0.471	2.276	8.42	5.096

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 30.0 Month: 01 1  
 \* File 1, Run 1, Scenario 95.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

					2007MONT. OUT					
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	4.95	4.43	8.04	5.33	9.77	0.764	0.455	2.197	8.11	5.066
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.95	4.43	8.04	5.33		0.764	0.455		8.110	
CO Total Exhaust:	4.95	4.43	8.04	5.33	9.77	0.764	0.455	2.197	8.11	5.066
-----										

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 96.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	4.97	4.45	8.07	5.36	9.49	0.740	0.441	2.131	7.80	5.073
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.97	4.45	8.07	5.36		0.740	0.441		7.804	
CO Total Exhaust:	4.97	4.45	8.07	5.36	9.49	0.740	0.441	2.131	7.80	5.073
-----										

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 97.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh



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GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

Composite Emission Factors (g/mi):

Composite CO :	5.02	4.50	8.15	5.41	8.77	0.679	0.404	1.954	7.00	5.090
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.02	4.50	8.15	5.41		0.679	0.404		6.995	
CO Total Exhaust:	5.02	4.50	8.15	5.41	8.77	0.679	0.404	1.954	7.00	5.090

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 35.0 Month: 01 1  
 \* File 1, Run 1, Scenario 100.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000

Composite Emission Factors (g/mi):

Composite CO :	5.03	4.51	8.18	5.43	8.56	0.661	0.394	1.902	6.76	5.096
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.03	4.51	8.18	5.43		0.661	0.394		6.756	
CO Total Exhaust:	5.03	4.51	8.18	5.43	8.56	0.661	0.394	1.902	6.76	5.096

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 101.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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2007MONT. OUT										
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.12	4.59	8.31	5.52	8.41	0.647	0.385	1.862	6.55	5.172
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.12	4.59	8.31	5.52		0.647	0.385		6.547	
CO Total Exhaust:	5.12	4.59	8.31	5.52	8.41	0.647	0.385	1.862	6.55	5.172

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 102.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.20	4.67	8.43	5.61	8.28	0.634	0.378	1.825	6.35	5.244
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.20	4.67	8.43	5.61		0.634	0.378		6.350	
CO Total Exhaust:	5.20	4.67	8.43	5.61	8.28	0.634	0.378	1.825	6.35	5.244

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 103.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.28	4.75	8.55	5.69	8.15	0.622	0.370	1.789	6.16	5.313
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.28	4.75	8.55	5.69		0.622	0.370		6.162	
CO Total Exhaust:	5.28	4.75	8.55	5.69	8.15	0.622	0.370	1.789	6.16	5.313

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 39.0 Month: 01 1  
 \* File 1, Run 1, Scenario 104.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.35	4.82	8.66	5.77	8.03	0.610	0.363	1.755	5.98	5.378
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.35	4.82	8.66	5.77		0.610	0.363		5.985	
CO Total Exhaust:	5.35	4.82	8.66	5.77	8.03	0.610	0.363	1.755	5.98	5.378

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 40.0 Month: 01 1  
 \* File 1, Run 1, Scenario 105.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

```

#####
* St & Cnty: 24031 Mont MY: 2007 Speed: 41.0 Month: 01 1
* File 1, Run 1, Scenario 106.
#####
* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp
M581 Warning:
    The user supplied freeway average speed of 41.0
    will be used for all hours of the day. 100% of VMT
    has been assigned to the freeway roadway type for
    all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.

M 48 Warning:
    there are no sales for vehicle class HDGV8b

```

```
* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 42.0 Month: 01 1
* File 1, Run 1, Scenario 107.
* #####
* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp
M581 Warning:
    The user supplied freeway average speed of 42.0
    will be used for all hours of the day. 100% of VMT
    has been assigned to the freeway roadway type for
    all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.

M 48 Warning:
    there are no sales for vehicle class HDGV8b
```

LEV phase-in data read from file EXT_DATA\LEV\LEVNE.D										
Calendar Year:		2007								
Month:		Jan.								
Altitude:		Low								
Minimum Temperature:		33.0 (F)								
Maximum Temperature:		53.0 (F)								
Absolute Humidity:		75 grains/lb								
Nominal Fuel RVP:		12.9 psi								
Weathered RVP:		12.9 psi								
Fuel Sulfur Content:		33. ppm								
Exhaust I/M Program:		Yes								
Evap I/M Program:		No								
ATP Program:		Yes								
Reformulated Gas:		No								
Ether Blend Market Share:		0.700		Alcohol Blend Market Share:		0.300				
Ether Blend Oxygen Content:		0.015		Alcohol Blend Oxygen Content:		0.035				
				Alcohol Blend RVP Waiver:		No				
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> Vehi cle Type: LDGV LDGT12 LDGT34 LDGT HGDV Page 54 LDDV LDDT HDDV MC Al l Veh </div> </div>										





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GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.75	5.19	9.25	6.20	7.77	0.573	0.341	1.650	5.33	5.734
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.75	5.19	9.25	6.20		0.573	0.341		5.330	
CO Total Exhaust:	5.75	5.19	9.25	6.20	7.77	0.573	0.341	1.650	5.33	5.734

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 110.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.82	5.25	9.35	6.28	7.74	0.568	0.338	1.634	5.22	5.800
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.82	5.25	9.35	6.28		0.568	0.338		5.222	
CO Total Exhaust:	5.82	5.25	9.35	6.28	7.74	0.568	0.338	1.634	5.22	5.800

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 111.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.90	5.33	9.48	6.37	7.80	0.567	0.338	1.631	5.17	5.882
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.90	5.33	9.48	6.37		0.567	0.338		5.169	
CO Total Exhaust:	5.90	5.33	9.48	6.37	7.80	0.567	0.338	1.631	5.17	5.882

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 47.0 Month: 01 1  
 \* File 1, Run 1, Scenario 112.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 47.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.98	5.41	9.60	6.46	7.85	0.566	0.337	1.629	5.12	5.960
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.98	5.41	9.60	6.46		0.566	0.337		5.119	
CO Total Exhaust:	5.98	5.41	9.60	6.46	7.85	0.566	0.337	1.629	5.12	5.960

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 48.0 Month: 01 1  
 \* File 1, Run 1, Scenario 113.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 48.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.06	5.48	9.72	6.54	7.90	0.565	0.336	1.626	5.07	6.035
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.06	5.48	9.72	6.54		0.565	0.336		5.070	
CO Total Exhaust:	6.06	5.48	9.72	6.54	7.90	0.565	0.336	1.626	5.07	6.035

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 49.0 Month: 01 1  
 \* File 1, Run 1, Scenario 114.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 49.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.14	5.56	9.83	6.62	7.95	0.564	0.336	1.624	5.02	6.107
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.14	5.56	9.83	6.62		0.564	0.336		5.024	
CO Total Exhaust:	6.14	5.56	9.83	6.62	7.95	0.564	0.336	1.624	5.02	6.107

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 50.0 Month: 01 1  
 \* File 1, Run 1, Scenario 115.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

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GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.21	5.62	9.94	6.70	8.00	0.563	0.336	1.621	4.98	6.177
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.21	5.62	9.94	6.70		0.563	0.336		4.979	
CO Total Exhaust:	6.21	5.62	9.94	6.70	8.00	0.563	0.336	1.621	4.98	6.177

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 51.0 Month: 01 1  
 \* File 1, Run 1, Scenario 116.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 51.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.30	5.70	10.07	6.79	8.16	0.568	0.338	1.635	4.98	6.261
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.30	5.70	10.07	6.79		0.568	0.338		4.979	
CO Total Exhaust:	6.30	5.70	10.07	6.79	8.16	0.568	0.338	1.635	4.98	6.261

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 52.0 Month: 01 1  
 \* File 1, Run 1, Scenario 117.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 52.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.38	5.78	10.19	6.88	8.31	0.573	0.341	1.648	4.98	6.343
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.38	5.78	10.19	6.88		0.573	0.341		4.979	
CO Total Exhaust:	6.38	5.78	10.19	6.88	8.31	0.573	0.341	1.648	4.98	6.343

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 53.0 Month: 01 1  
 \* File 1, Run 1, Scenario 118.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.46	5.85	10.31	6.97	8.45	0.577	0.344	1.660	4.98	6.421
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.46	5.85	10.31	6.97		0.577	0.344		4.979	
CO Total Exhaust:	6.46	5.85	10.31	6.97	8.45	0.577	0.344	1.660	4.98	6.421

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 54.0 Month: 01 1  
 \* File 1, Run 1, Scenario 119.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 54.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.53	5.93	10.42	7.05	8.59	0.581	0.346	1.672	4.98	6.497
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.53	5.93	10.42	7.05		0.581	0.346		4.979	
CO Total Exhaust:	6.53	5.93	10.42	7.05	8.59	0.581	0.346	1.672	4.98	6.497

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 55.0 Month: 01 1  
 \* File 1, Run 1, Scenario 120.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 55.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.60	5.99	10.53	7.13	8.73	0.585	0.348	1.684	4.98	6.569
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.60	5.99	10.53	7.13		0.585	0.348		4.979	
CO Total Exhaust:	6.60	5.99	10.53	7.13	8.73	0.585	0.348	1.684	4.98	6.569

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 56.0 Month: 01 1  
 \* File 1, Run 1, Scenario 121.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 56.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.69	6.07	10.66	7.22	9.02	0.596	0.355	1.715	6.26	6.664
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.69	6.07	10.66	7.22		0.596	0.355		6.264	
CO Total Exhaust:	6.69	6.07	10.66	7.22	9.02	0.596	0.355	1.715	6.26	6.664

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 57.0 Month: 01 1  
 \* File 1, Run 1, Scenario 122.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.77	6.15	10.78	7.30	9.29	0.607	0.361	1.745	7.50	6.754
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.77	6.15	10.78	7.30		0.607	0.361		7.504	
CO Total Exhaust:	6.77	6.15	10.78	7.30	9.29	0.607	0.361	1.745	7.50	6.754

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 123.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.85	6.23	10.89	7.39	9.56	0.617	0.367	1.774	8.70	6.842
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.85	6.23	10.89	7.39		0.617	0.367		8.701	
CO Total Exhaust:	6.85	6.23	10.89	7.39	9.56	0.617	0.367	1.774	8.70	6.842

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 59.0 Month: 01 1  
 \* File 1, Run 1, Scenario 124.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 59.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.92	6.30	11.01	7.47	9.82	0.626	0.373	1.803	9.86	6.927
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.92	6.30	11.01	7.47		0.626	0.373		9.857	
CO Total Exhaust:	6.92	6.30	11.01	7.47	9.82	0.626	0.373	1.803	9.86	6.927

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 60.0 Month: 01 1  
 \* File 1, Run 1, Scenario 125.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 60.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh



2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.00	6.37	11.12	7.55	10.07	0.636	0.379	1.830	10.98	7.008
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.00	6.37	11.12	7.55		0.636	0.379		10.975	
CO Total Exhaust:	7.00	6.37	11.12	7.55	10.07	0.636	0.379	1.830	10.98	7.008

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 61.0 Month: 01 1  
 \* File 1, Run 1, Scenario 126.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 61.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.08	6.44	11.24	7.64	10.53	0.655	0.390	1.883	12.25	7.107
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.08	6.44	11.24	7.64		0.655	0.390		12.253	
CO Total Exhaust:	7.08	6.44	11.24	7.64	10.53	0.655	0.390	1.883	12.25	7.107

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 62.0 Month: 01 1  
 \* File 1, Run 1, Scenario 127.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 62.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007MONT. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.16	6.52	11.36	7.73	10.99	0.673	0.400	1.935	13.49	7.203
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.16	6.52	11.36	7.73		0.673	0.400		13.490	
CO Total Exhaust:	7.16	6.52	11.36	7.73	10.99	0.673	0.400	1.935	13.49	7.203

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 63.0 Month: 01 1  
 \* File 1, Run 1, Scenario 128.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 63.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4579	0.3400	0.1130		0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.24	6.60	11.48	7.81	11.43	0.690	0.411	1.986	14.69	7.296
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.24	6.60	11.48	7.81		0.690	0.411		14.687	
CO Total Exhaust:	7.24	6.60	11.48	7.81	11.43	0.690	0.411	1.986	14.69	7.296

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 64.0 Month: 01 1  
 \* File 1, Run 1, Scenario 129.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 64.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2007MONT. OUT										
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	7.32	6.67	11.60	7.90	11.85	0.707	0.421	2.034	15.85	7.386
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.32	6.67	11.60	7.90		0.707	0.421		15.847	
CO Total Exhaust:	7.32	6.67	11.60	7.90	11.85	0.707	0.421	2.034	15.85	7.386
-----										

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 65.0 Month: 01 1  
 \* File 1, Run 1, Scenario 130.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 65.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4579	0.3400	0.1130	-----	0.0225	0.0015	0.0036	0.0569	0.0046	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	7.39	6.74	11.71	7.98	12.26	0.723	0.431	2.081	16.97	7.473
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.39	6.74	11.71	7.98		0.723	0.431		16.971	
CO Total Exhaust:	7.39	6.74	11.71	7.98	12.26	0.723	0.431	2.081	16.97	7.473
-----										

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 34.6 Month: 01 1  
 \* File 1, Run 1, Scenario 131.  
 \* #####  
 \* FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 12.9 Month: 01 1  
 \* File 1, Run 1, Scenario 132.  
 \* #####  
 \* FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 12.9 Month: 01 1  
 \* File 1, Run 1, Scenario 133.  
 \* #####  
 \* FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 12.9 Month: 01 1  
 \* File 1, Run 1, Scenario 134.  
 \* #####  
 \* FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment: User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
\* St & Cnty: 24031 Mont MY: 2007 Speed: 1.00 Month: 01 1  
\* File 1, Run 1, Scenario 135.  
\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc  
M 52 Warning: 1.00 speed increased to 2.5 mph minimum  
M583 Warning: The user supplied arterial average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment: User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
\* St & Cnty: 24031 Mont MY: 2007 Speed: 2.00 Month: 01 1  
\* File 1, Run 1, Scenario 136.  
\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
M 52 Warning: 2.00 speed increased to 2.5 mph minimum  
M583 Warning: The user supplied arterial average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment: User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
\* St & Cnty: 24031 Mont MY: 2007 Speed: 3.00 Month: 01 1  
\* File 1, Run 1, Scenario 137.  
\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
M583 Warning: The user supplied arterial average speed of 3.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment: User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
\* St & Cnty: 24031 Mont MY: 2007 Speed: 4.00 Month: 01 1  
\* File 1, Run 1, Scenario 138.  
\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
M583 Warning: The user supplied arterial average speed of 4.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment: User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
\* St & Cnty: 24031 Mont MY: 2007 Speed: 5.00 Month: 01 1  
\* File 1, Run 1, Scenario 139.  
\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc  
M583 Warning: The user supplied arterial average speed of 5.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment: User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
\* St & Cnty: 24031 Mont MY: 2007 Speed: 6.00 Month: 01 1  
\* File 1, Run 1, Scenario 140.  
\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 6.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 7.00 Month: 01 1

\* File 1, Run 1, Scenario 141.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 7.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 142.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 8.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 143.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 9.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 144.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 10.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 11.0 Month: 01 1

\* File 1, Run 1, Scenario 145.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 11.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 146.

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2007MONT. OUT
* #####
* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 12.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 13.0 Month: 01 1
* File 1, Run 1, Scenario 147.
* #####
* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 13.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 14.0 Month: 01 1
* File 1, Run 1, Scenario 148.
* #####
* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 14.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 15.0 Month: 01 1
* File 1, Run 1, Scenario 149.
* #####
* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 15.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 16.0 Month: 01 1
* File 1, Run 1, Scenario 150.
* #####
* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 16.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 17.0 Month: 01 1
* File 1, Run 1, Scenario 151.
* #####
* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 17.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####

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2007MONT. OUT
* St & Cnty: 24031 Mont MY: 2007 Speed: 18.0 Month: 01 1
* File 1, Run 1, Scenario 152.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 18.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 19.0 Month: 01 1
* File 1, Run 1, Scenario 153.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 19.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 20.0 Month: 01 1
* File 1, Run 1, Scenario 154.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 20.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 21.0 Month: 01 1
* File 1, Run 1, Scenario 155.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 21.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 22.0 Month: 01 1
* File 1, Run 1, Scenario 156.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 22.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 23.0 Month: 01 1
* File 1, Run 1, Scenario 157.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 23.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

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* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 24.0 Month: 01 1
* File 1, Run 1, Scenario 158.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 24.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 25.0 Month: 01 1
* File 1, Run 1, Scenario 159.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 25.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 26.0 Month: 01 1
* File 1, Run 1, Scenario 160.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 26.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 27.0 Month: 01 1
* File 1, Run 1, Scenario 161.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 27.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 28.0 Month: 01 1
* File 1, Run 1, Scenario 162.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 28.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 29.0 Month: 01 1
* File 1, Run 1, Scenario 163.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art_Loc
M583 Warning:
The user supplied arterial average speed of 29.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
User supplied VMT mix.

```



M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 30.0 Month: 01 1

\* File 1, Run 1, Scenario 164.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 30.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 31.0 Month: 01 1

\* File 1, Run 1, Scenario 165.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 31.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 32.0 Month: 01 1

\* File 1, Run 1, Scenario 166.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 32.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 33.0 Month: 01 1

\* File 1, Run 1, Scenario 167.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 33.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 168.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 34.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

\* #####

\* St & Cnty: 24031 Mont MY: 2007 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 169.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 35.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 170.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 171.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 172.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 39.0 Month: 01 1  
 \* File 1, Run 1, Scenario 173.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 40.0 Month: 01 1  
 \* File 1, Run 1, Scenario 174.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

\* #####  
 \* St & Cnty: 24031 Mont MY: 2007 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 175.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

```

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.
M 48 Warning:
    there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 42.0 Month: 01 1
* File 1, Run 1, Scenario 176.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art_Loc
M583 Warning:
    The user supplied arterial average speed of 42.0
    will be used for all hours of the day. 100% of VMT
    has been assigned to the arterial/collector roadway
    type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.
M 48 Warning:
    there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 43.0 Month: 01 1
* File 1, Run 1, Scenario 177.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art_Loc
M583 Warning:
    The user supplied arterial average speed of 43.0
    will be used for all hours of the day. 100% of VMT
    has been assigned to the arterial/collector roadway
    type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.
M 48 Warning:
    there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 44.0 Month: 01 1
* File 1, Run 1, Scenario 178.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art_Loc
M583 Warning:
    The user supplied arterial average speed of 44.0
    will be used for all hours of the day. 100% of VMT
    has been assigned to the arterial/collector roadway
    type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.
M 48 Warning:
    there are no sales for vehicle class HDGV8b

* #####
* St & Cnty: 24031 Mont MY: 2007 Speed: 45.0 Month: 01 1
* File 1, Run 1, Scenario 179.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art_Loc
M583 Warning:
    The user supplied arterial average speed of 45.0
    will be used for all hours of the day. 100% of VMT
    has been assigned to the arterial/collector roadway
    type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.
M 48 Warning:
    there are no sales for vehicle class HDGV8b

```

```

MOBILE6 INPUT FILE :
> HEADER: State - MD / County - Prince George

REPORT FILE      : 07PG.OUT REPLACE
DATABASE OUTPUT  :
WITH FIELDNAMES  :
Pollutants       : CO
DAILY OUTPUT     :
EMISSIONS TABLE : 07PG.TB1 REPLACE
SPREADSHEET      : 07PG.TAB REPLACE
AGGREGATED OUTPUT :

RUN DATA       :
>COMMENTS
>24 033

EXPRESS HC AS VOC :
EXPAND EVAPORATIVE :
EXPAND EXHAUST     :
EXPAND BUS EFS     :

NO REFUELING       :
REBUILD EFFECTS    : 0.90
WE DA TRI LEN DI   : Ext_Data\Trip_Len\WeekTLD2.WDT
94+ LDG IMP        : Ext_Data\LEV\NLEVNE.D

FUEL PROGRAM       : 4
300.0 299.0 279.0 259.0 121.0 92.0 33.0 33.0
30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 303.0 303.0 87.0 87.0
80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

* MOBILE6 default winter oxygenated fuel.
OXYGENATED FUELS : 0.7000 0.3000 0.015 0.035 1

* Registration Distribution Source File - EXT_DATA\RD\RO2_PRGR.RDT
REG DIST          : Ext_Data\RD\RO5_PRGR.RDT

* Anti-Tampering Program Source File - C:\MWC0G\IM_ATP\MD_ATP_02_MP.ATP
ANTI-TAMP PROG    :
** Applicable for counties: Montgomery and Prince George's
89 77 50 22222 22222111 1 12 096. 12211112

* Inspection and Maintenance (I/M) Source File - C:\MWC0G\IM_ATP\MD_IM_02_MP.IM
** Applicable for counties: Montgomery and Prince George's

>IM Program 2002. Idle and IM240.
>IM240 All LDGV, LDGT, HDGT1 MY 84+ Phase in Cutoffs.

*IM240
I/M PROGRAM       : 3 1984 2050 2 T/O IM240
I/M MODEL YEARS   : 3 1984 2050
I/M VEHICLES      : 3 22222 21111111 1
I/M STRINGENCY    : 3 20.0
I/M COMPLIANCE    : 3 96.0
I/M WAIVER RATES  : 3 11.0 15.0
I/M CUTOFFS       : 3 Ext_Data\IM_ATP\MD.CO2
I/M GRACE PERIOD  : 3 2

*Idle HDGT2
I/M PROGRAM       : 2 1984 2050 2 T/O Idle
I/M MODEL YEARS   : 2 1977 2050
I/M VEHICLES      : 2 11111 12222111 1
I/M STRINGENCY    : 2 20.0
I/M COMPLIANCE    : 2 96.0
I/M WAIVER RATES  : 2 11.0 15.0
I/M GRACE PERIOD  : 2 2

*Idle older LDGV, LDGT, HDGT1
I/M PROGRAM       : 1 1984 2050 2 T/O Idle
I/M MODEL YEARS   : 1 1977 1983
I/M VEHICLES      : 1 22222 21111111 1
I/M STRINGENCY    : 1 20.0
I/M COMPLIANCE    : 1 96.0
I/M WAIVER RATES  : 1 11.0 15.0
I/M GRACE PERIOD  : 1 2

* Diesel Sales Fractions Source File - C:\MWC0G\EXT_DATA\DSF\DO2_PRGR
DIESEL FRACTIONS :
0.0001 0.0000 0.0001 0.0011 0.0009 0.0011 0.0009 0.0006 0.0002 0.0008
0.0008 0.0021 0.0006 0.0005 0.0005 0.0082 0.0068 0.0280 0.0404 0.0805
0.0974 0.0896 0.0658 0.0261 0.0052
0.0008 0.0003 0.0018 0.0054 0.0019 0.0099 0.0088 0.0102 0.0087 0.0123
0.0097 0.0065 0.0154 0.0148 0.0156 0.0208 0.0289 0.0540 0.0498 0.0608
0.1306 0.1260 0.0841 0.0331 0.0077
0.0008 0.0003 0.0018 0.0054 0.0019 0.0099 0.0088 0.0102 0.0087 0.0123
0.0097 0.0065 0.0154 0.0148 0.0156 0.0208 0.0289 0.0540 0.0498 0.0608
0.1306 0.1260 0.0841 0.0331 0.0077
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145
0.0115 0.0129 0.0096 0.0083 0.0072 0.0082 0.0124 0.0135 0.0169 0.0209
0.0256 0.0013 0.0006 0.0011 0.0001
0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0126 0.0115 0.0111 0.0145
0.0115 0.0129 0.0096 0.0083 0.0072 0.0082 0.0124 0.0135 0.0169 0.0209
0.0256 0.0013 0.0006 0.0011 0.0001
0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.1998 0.2578 0.2515 0.3263
0.2784 0.2963 0.2384 0.2058 0.1756 0.1958 0.2726 0.2743 0.3004 0.2918
0.2859 0.0138 0.0000 0.0000 0.0000
0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.6774 0.7715 0.7910 0.8105
0.8068 0.8280 0.8477 0.7940 0.7488 0.7789 0.7842 0.6145 0.5139 0.5032
0.4277 0.0079 0.0000 0.0000 0.0001
0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8606 0.8473 0.8048 0.8331
0.7901 0.7316 0.7275 0.7158 0.5647 0.3178 0.2207 0.1968 0.1570 0.0738
0.0341 0.0414 0.0003 0.0000 0.0000
0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4647 0.4384 0.3670 0.4125
0.3462 0.2771 0.2730 0.2616 0.1543 0.0615 0.0383 0.0333 0.0255 0.0111
0.0049 0.0060 0.0000 0.0000 0.0000

```

0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6300 0.6078 0.5246 0.5767  
 0.5289 0.5788 0.5617 0.4537 0.4216 0.4734 0.4705 0.4525 0.4310 0.3569  
 0.3690 0.4413 0.3094 0.1679 0.1390  
 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8563 0.8443 0.7943 0.8266  
 0.7972 0.8279 0.8177 0.7440 0.7184 0.7588 0.7567 0.7431 0.7261 0.6602  
 0.6717 0.7344 0.6107 0.4140 0.3610  
 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9992 0.9989 0.9987 0.9989  
 0.9977 0.9984 0.9982 0.9979 0.9969 0.9978 0.9980 0.9979 0.9976 0.9969  
 0.9978 0.9982 0.9974 0.9965 0.9964  
 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000  
 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000  
 1.0000 1.0000 1.0000 1.0000 1.0000  
 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.9585 0.8857 0.8525 0.8795  
 0.9900 0.9105 0.8760 0.7710 0.7502 0.7345 0.6733 0.5155 0.3845 0.3238  
 0.3260 0.2639 0.0594 0.0460 0.0291

MIN/MAX TEMPERATURE: 33.00 53.00  
 FUEL RVP : 12.90

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial  
 CALENDAR YEAR : 2007

EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :

0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 16.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1

ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052



SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Arterial

SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 40.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 40.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 41.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 41.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 42.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 42.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 43.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 43.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 44.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 44.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 45.0 Month: 01 1  
 Page 7

2007PG.in  
SCENARIO: 45 RoadType: Arterial

>FV FILE: .FV OPMODE: Stable FACILITY: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 45.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 46.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 46.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 47.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 47.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 48.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 48.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 49.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 49.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 50.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 50.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 51.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 51.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 52.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 52.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

```

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1X\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 53.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 53.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1X\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 54.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 54.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1X\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 55.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 55.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1X\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 56.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 56.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1X\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 57.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 57.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1X\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 58.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 58.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1X\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 59.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 59.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_M1X\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 60.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial
CALENDAR YEAR : 2007

```

EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 60.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 61.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 61.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 62.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 62.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 63.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 63.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 64.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 64.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 65.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 65.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :

0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1

ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 16.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Non-Ramp



SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 33.0 Month: 01 1  
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2007PG.in  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 40.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 40.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

```

* VMT Source File - C:\MWC\EXT_DATA\VMT_MX\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 41.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 41.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MX\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 42.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 42.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MX\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 43.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 43.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MX\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 44.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 44.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MX\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 45.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 45.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MX\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 46.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 46.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MX\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 47.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp
CALENDAR YEAR : 2007
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 47.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MX\WINTER\V02_PRGR.VM
VMT FRACTIONS :
0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021
0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 48.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp
CALENDAR YEAR : 2007

```

EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 48.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 49.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 49.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 50.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 50.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 51.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 51.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 52.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 52.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 53.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 53.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 54.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 54.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 55.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 55.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM

VMT FRACTIONS :

0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 56.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 56.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 57.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 57.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 58.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 58.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 59.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 59.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 60.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 60.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 61.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 61.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 62.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 62.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 63.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1

ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 63.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 64.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 64.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 65.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 65.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 34.6 Month: 01 1  
 >FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV4.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKCOLD.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKHOT.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\VO2\_PRGR.VM  
 VMT FRACTIONS :  
 0.4645 0.0785 0.2614 0.0761 0.0350 0.0246 0.0024 0.0021  
 0.0016 0.0060 0.0071 0.0079 0.0276 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Arterial

SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 16.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 17.0 Month: 01 1  
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2007PG.in  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007

EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM

VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM

VMT FRACTIONS :

0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 40.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 40.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 41.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 41.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 42.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 42.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 43.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 43.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 44.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 44.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

SCENARIO RECORD : St & Cnty: 24033 MY: 2007 Speed: 45.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc  
 CALENDAR YEAR : 2007  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 45.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L02\_PRGR.VM  
 VMT FRACTIONS :  
 0.4958 0.0838 0.2790 0.0812 0.0373 0.0054 0.0005 0.0005  
 0.0003 0.0013 0.0015 0.0017 0.0062 0.0000 0.0000 0.0055

END OF RUN :

2007PG.OUT  
\*\*\*\*\*  
\* MOBILE6.2.03 (24-Sep-2003) \*  
\* Input file: 07PG.IN (file 1, run 1). \*  
\*\*\*\*\*

\*COMMENTS  
\*24 033  
M603 Comment:  
User has disabled the calculation of REFUELING emissions.

\* Reading non-default WEEKDAY RUNNING LOSS HOURLY TRIP LENGTH FRACTIONS  
\* from the following external data file: EXT\_DATA\TRIP\_LEN\WEEKTLD2.WDT

\* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external  
\* data file: EXT\_DATA\LEV\NLEVNE.D  
M616 Comment:  
User has supplied post-1999 sulfur levels.

\* Reading Registration Distributions from the following external  
\* data file: EXT\_DATA\RDTR\RO5\_PRGR.RDT  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)

\*IM Program 2002. Idle and IM240.  
\*IM240 All LDGV, LDGT, HDGT1 MY 84+ Phase in Cutpoints.

\* Reading non-default I/M CUTPOINTS from the following external  
\* data file: EXT\_DATA\IM\_ATP\MD.CO2  
\* CY 2002 Phase in Cutpoints Beginning November 2000.  
M614 Comment:  
User supplied diesel sale fractions.

\* #####  
\* St & Cnty: 24033 MY: 2007 Speed: 1.00 Month: 01 1  
\* File 1, Run 1, Scenario 1.  
\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial  
M 52 Warning:  
1.00 speed increased to 2.5 mph minimum  
M583 Warning:  
The user supplied arterial average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.  
\*\*\* I/M credits for Tech1&2 vehicles were read from the following external  
data file: TECH12.D  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	<6000	>6000	(All)							
VMT Distribution:	0.4633	0.3371	0.1095	0.0228	0.0012	0.0044	0.0565	0.0052	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	25.06	26.46	30.65	27.49	57.79	3.935	2.527	12.063	90.19	26.374

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.000	0.000
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2007PG. OUT

CO Running:	25.06	26.46	30.65	27.49		3.935	2.527		90.192	
CO Total Exhaust:	25.06	26.46	30.65	27.49	57.79	3.935	2.527	12.063	90.19	26.374

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 2.00 Month: 01 1

\* File 1, Run 1, Scenario 2.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial

M 52 Warning:  
2.00 speed increased to 2.5 mph minimum

M583 Warning:  
The user supplied arterial average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	25.06	26.46	30.65	27.49	57.79	3.935	2.527	12.063	90.19	26.374
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	25.06	26.46	30.65	27.49		3.935	2.527		90.192	
CO Total Exhaust:	25.06	26.46	30.65	27.49	57.79	3.935	2.527	12.063	90.19	26.374

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 3.00 Month: 01 1

\* File 1, Run 1, Scenario 3.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 3.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	21.19	22.50	26.04	23.36	53.92	3.694	2.372	11.324	77.45	22.543
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Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	21.19	22.50	26.04	23.36		3.694	2.372		77.447	
CO Total Exhaust:	21.19	22.50	26.04	23.36	53.92	3.694	2.372	11.324	77.45	22.543

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 4.00 Month: 01 1

\* File 1, Run 1, Scenario 4.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 4.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	16.36	17.54	20.27	18.21	49.08	3.393	2.179	10.401	61.52	17.754
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	16.36	17.54	20.27	18.21		3.393	2.179		61.516	
CO Total Exhaust:	16.36	17.54	20.27	18.21	49.08	3.393	2.179	10.401	61.52	17.754

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 5.00 Month: 01 1

\* File 1, Run 1, Scenario 5.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 5.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	13.46	14.56	16.81	15.12	46.17	3.212	2.063	9.847	51.96	14.881
----------------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	13.46	14.56	16.81	15.12		3.212	2.063		51.957	
CO Total Exhaust:	13.46	14.56	16.81	15.12	46.17	3.212	2.063	9.847	51.96	14.881

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 6.00 Month: 01 1

\* File 1, Run 1, Scenario 6.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 6.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	11.72	12.73	14.70	13.21	41.02	2.880	1.849	8.828	42.96	13.003

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	11.72	12.73	14.70	13.21		2.880	1.849		42.958	
CO Total Exhaust:	11.72	12.73	14.70	13.21	41.02	2.880	1.849	8.828	42.96	13.003

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 7.00 Month: 01 1

\* File 1, Run 1, Scenario 7.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 7.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.48	11.42	13.18	11.86	37.34	2.642	1.697	8.100	36.53	11.661

Exhaust emissions (g/mi):



## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.48	11.42	13.18	11.86		2.642	1.697		36.531	
CO Total Exhaust:	10.48	11.42	13.18	11.86	37.34	2.642	1.697	8.100	36.53	11.661

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 8.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 8.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	9.55	10.44	12.05	10.84	34.58	2.464	1.582	7.554	31.71	10.655

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	9.55	10.44	12.05	10.84		2.464	1.582		31.710	
CO Total Exhaust:	9.55	10.44	12.05	10.84	34.58	2.464	1.582	7.554	31.71	10.655

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 9.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 9.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.83	9.68	11.17	10.04	32.44	2.326	1.493	7.130	27.96	9.873

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	8.83	9.68	11.17	10.04		2.326	1.493		27.961
CO Total Exhaust:	8.83	9.68	11.17	10.04	32.44	2.326	1.493	7.130	27.96

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 10.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 10.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	8.25	9.07	10.46	9.41	30.72	2.215	1.422	6.790	24.96	9.246

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	8.25	9.07	10.46	9.41		2.215	1.422		24.961
CO Total Exhaust:	8.25	9.07	10.46	9.41	30.72	2.215	1.422	6.790	24.96

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 11.0 Month: 01 1

\* File 1, Run 1, Scenario 11.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 11.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	7.85	8.63	9.96	8.95	28.23	2.047	1.314	6.274	22.58	8.760

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	7.85	8.63	9.96	8.95		2.047	1.314	22.575		
CO Total Exhaust:	7.85	8.63	9.96	8.95	28.23	2.047	1.314	6.274	22.58	8.760

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 12.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 12.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	7.52	8.26	9.54	8.57	26.16	1.907	1.224	5.845	20.59	8.355
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Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	7.52	8.26	9.54	8.57		1.907	1.224	20.587		
CO Total Exhaust:	7.52	8.26	9.54	8.57	26.16	1.907	1.224	5.845	20.59	8.355

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 13.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 13.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	7.24	7.95	9.18	8.25	24.40	1.788	1.148	5.481	18.90	8.011
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Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.24	7.95	9.18	8.25		1.788	1.148		18.904	
CO Total Exhaust:	7.24	7.95	9.18	8.25	24.40	1.788	1.148	5.481	18.90	8.011

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 14.0 Month: 01 1

\* File 1, Run 1, Scenario 14.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 14.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.00	7.69	8.88	7.98	22.90	1.687	1.083	5.170	17.46	7.717

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.00	7.69	8.88	7.98		1.687	1.083		17.462	
CO Total Exhaust:	7.00	7.69	8.88	7.98	22.90	1.687	1.083	5.170	17.46	7.717

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 15.0 Month: 01 1

\* File 1, Run 1, Scenario 15.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 15.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.79	7.45	8.62	7.74	21.59	1.598	1.026	4.900	16.21	7.463

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	6.79	7.45	8.62	7.74		1.598	1.026			
CO Total Exhaust:	6.79	7.45	8.62	7.74	21.59	1.598	1.026	4.900	16.21	7.463

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 16.0 Month: 01 1

\* File 1, Run 1, Scenario 16.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 16.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	6.61	7.25	8.39	7.53	20.21	1.501	0.964	4.600	15.21	7.231
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Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	6.61	7.25	8.39	7.53		1.501	0.964			
CO Total Exhaust:	6.61	7.25	8.39	7.53	20.21	1.501	0.964	4.600	15.206	7.231

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 17.0 Month: 01 1

\* File 1, Run 1, Scenario 17.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 17.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	6.45	7.08	8.18	7.35	18.98	1.414	0.908	4.335	14.32	7.026
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Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000
CO Running:	6.45	7.08	8.18	7.35		1.414	0.908		14.317
CO Total Exhaust:	6.45	7.08	8.18	7.35	18.98	1.414	0.908	4.335	14.32

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 18.0 Month: 01 1

\* File 1, Run 1, Scenario 18.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 18.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.30	6.92	8.00	7.18	17.89	1.338	0.859	4.100	13.53	6.844

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000
CO Running:	6.30	6.92	8.00	7.18		1.338	0.859		13.528
CO Total Exhaust:	6.30	6.92	8.00	7.18	17.89	1.338	0.859	4.100	13.53

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 19.0 Month: 01 1

\* File 1, Run 1, Scenario 19.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 19.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.18	6.78	7.84	7.04	16.91	1.269	0.815	3.890	12.82	6.682

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	6.18	6.78	7.84	7.04	1.269	0.815	3.890	12.821	6.682	
CO Total Exhaust:	6.18	6.78	7.84	7.04	1.269	0.815	3.890	12.821	6.682	

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 20.0 Month: 01 1

\* File 1, Run 1, Scenario 20.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 20.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095	-----	0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	6.06	6.65	7.69	6.90	16.04	1.207	0.775	3.700	12.19	6.535

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	6.06	6.65	7.69	6.90	1.207	0.775	3.700	12.185	6.535	
CO Total Exhaust:	6.06	6.65	7.69	6.90	1.207	0.775	3.700	12.19	6.535	

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 21.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 21.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095	-----	0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.97	6.55	7.58	6.80	15.22	1.147	0.736	3.516	11.60	6.413

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.97	6.55	7.58	6.80		1.147	0.736		11.597	
CO Total Exhaust:	5.97	6.55	7.58	6.80	15.22	1.147	0.736	3.516	11.60	6.413

\* #####

\* St &amp; Cnty: 24033 MY: 2007 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 22.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 22.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):										
Composite CO :	5.88	6.45	7.48	6.70	14.47	1.092	0.701	3.348	11.06	6.302

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.88	6.45	7.48	6.70		1.092	0.701		11.063	
CO Total Exhaust:	5.88	6.45	7.48	6.70	14.47	1.092	0.701	3.348	11.06	6.302

\* #####

\* St &amp; Cnty: 24033 MY: 2007 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 23.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):										
Composite CO :	5.81	6.37	7.38	6.62	13.79	1.042	0.669	3.194	10.57	6.200

Exhaust emissions (g/mi):



## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	5.81	6.37	7.38	6.62		1.042	0.669		10.575
CO Total Exhaust:	5.81	6.37	7.38	6.62	13.79	1.042	0.669	3.194	10.57

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 24.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 24.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.74	6.29	7.29	6.54	13.16	0.996	0.640	3.054	10.13	6.107

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	5.74	6.29	7.29	6.54		0.996	0.640		10.128
CO Total Exhaust:	5.74	6.29	7.29	6.54	13.16	0.996	0.640	3.054	10.13

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 25.0 Month: 01 1

\* File 1, Run 1, Scenario 25.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 25.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.67	6.22	7.21	6.46	12.58	0.954	0.613	2.925	9.72	6.022

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.67	6.22	7.21	6.46		0.954	0.613		9.716	
CO Total Exhaust:	5.67	6.22	7.21	6.46	12.58	0.954	0.613	2.925	9.72	6.022

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 26.0 Month: 01 1

\* File 1, Run 1, Scenario 26.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 26.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.64	6.18	7.17	6.42	12.09	0.916	0.588	2.808	9.30	5.968

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.64	6.18	7.17	6.42		0.916	0.588		9.304	
CO Total Exhaust:	5.64	6.18	7.17	6.42	12.09	0.916	0.588	2.808	9.30	5.968

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 27.0 Month: 01 1

\* File 1, Run 1, Scenario 27.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 27.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.61	6.14	7.12	6.38	11.63	0.881	0.566	2.700	8.92	5.918

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	5.61	6.14	7.12	6.38	0.881	0.566			8.922	
CO Total Exhaust:	5.61	6.14	7.12	6.38	11.63	0.881	0.566	2.700	8.92	5.918

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 28.0 Month: 01 1

\* File 1, Run 1, Scenario 28.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 28.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.58	6.11	7.09	6.35	11.20	0.848	0.545	2.600	8.57	5.871

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	5.58	6.11	7.09	6.35	0.848	0.545			8.568	
CO Total Exhaust:	5.58	6.11	7.09	6.35	11.20	0.848	0.545	2.600	8.57	5.871

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 29.0 Month: 01 1

\* File 1, Run 1, Scenario 29.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 29.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.55	6.08	7.05	6.32	10.80	0.818	0.525	2.506	8.24	5.828

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	5.55	6.08	7.05	6.32		0.818	0.525		8.238	
CO Total Exhaust:	5.55	6.08	7.05	6.32	10.80	0.818	0.525	2.506	8.24	5.828

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 30.0 Month: 01 1

\* File 1, Run 1, Scenario 30.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 30.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.53	6.05	7.01	6.29	10.43	0.789	0.507	2.419	7.93	5.788

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	5.53	6.05	7.01	6.29		0.789	0.507		7.930	
CO Total Exhaust:	5.53	6.05	7.01	6.29	10.43	0.789	0.507	2.419	7.93	5.788

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 31.0 Month: 01 1

\* File 1, Run 1, Scenario 31.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 31.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.55	6.07	7.04	6.31	10.14	0.765	0.491	2.346	7.63	5.793

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	5.55	6.07	7.04	6.31		0.765	0.491		7.631
CO Total Exhaust:	5.55	6.07	7.04	6.31	10.14	0.765	0.491	2.346	7.63

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 32.0 Month: 01 1

\* File 1, Run 1, Scenario 32.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 32.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.56	6.09	7.06	6.33	9.87	0.743	0.477	2.277	7.35	5.798

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	5.56	6.09	7.06	6.33		0.743	0.477		7.351
CO Total Exhaust:	5.56	6.09	7.06	6.33	9.87	0.743	0.477	2.277	7.35

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 33.0 Month: 01 1

\* File 1, Run 1, Scenario 33.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 33.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.58	6.10	7.08	6.34	9.61	0.722	0.463	2.212	7.09	5.803

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	5.58	6.10	7.08	6.34		0.722	0.463		7.088
CO Total Exhaust:	5.58	6.10	7.08	6.34	9.61	0.722	0.463	2.212	7.09

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 34.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 34.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.60	6.12	7.10	6.36	9.37	0.702	0.451	2.152	6.84	5.807

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	5.60	6.12	7.10	6.36		0.702	0.451		6.840
CO Total Exhaust:	5.60	6.12	7.10	6.36	9.37	0.702	0.451	2.152	6.84

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 35.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 35.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.61	6.14	7.12	6.38	9.14	0.683	0.439	2.094	6.61	5.811

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	5.61	6.14	7.12	6.38		0.683	0.439		6.606
CO Total Exhaust:	5.61	6.14	7.12	6.38	9.14	0.683	0.439	2.094	6.61

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 36.0 Month: 01 1

\* File 1, Run 1, Scenario 36.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 36.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.71	6.24	7.24	6.48	8.99	0.669	0.430	2.050	6.40	5.897

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000
CO Running:	5.71	6.24	7.24	6.48		0.669	0.430		6.402
CO Total Exhaust:	5.71	6.24	7.24	6.48	8.99	0.669	0.430	2.050	6.40

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 37.0 Month: 01 1

\* File 1, Run 1, Scenario 37.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 37.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.80	6.34	7.35	6.59	8.84	0.655	0.421	2.009	6.21	5.977

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.80	6.34	7.35	6.59		0.655	0.421		6.209	
CO Total Exhaust:	5.80	6.34	7.35	6.59	8.84	0.655	0.421	2.009	6.21	5.977

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 38.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 38.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.88	6.43	7.45	6.68	8.71	0.643	0.413	1.970	6.03	6.054

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.88	6.43	7.45	6.68		0.643	0.413		6.025	
CO Total Exhaust:	5.88	6.43	7.45	6.68	8.71	0.643	0.413	1.970	6.03	6.054

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 39.0 Month: 01 1

\* File 1, Run 1, Scenario 39.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 39.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	5.96	6.52	7.55	6.77	8.58	0.630	0.405	1.933	5.85	6.126

Exhaust emissions (g/mi):



## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	5.96	6.52	7.55	6.77		0.630	0.405		5.852	
CO Total Exhaust:	5.96	6.52	7.55	6.77	8.58	0.630	0.405	1.933	5.85	6.126

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 40.0 Month: 01 1

\* File 1, Run 1, Scenario 40.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 40.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.04	6.60	7.64	6.86	8.46	0.619	0.397	1.897	5.69	6.195

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	6.04	6.60	7.64	6.86		0.619	0.397		5.687	
CO Total Exhaust:	6.04	6.60	7.64	6.86	8.46	0.619	0.397	1.897	5.69	6.195

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 41.0 Month: 01 1

\* File 1, Run 1, Scenario 41.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 41.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.14	6.71	7.76	6.96	8.42	0.612	0.393	1.876	5.56	6.283

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.14	6.71	7.76	6.96		0.612	0.393		5.559	
CO Total Exhaust:	6.14	6.71	7.76	6.96	8.42	0.612	0.393	1.876	5.56	6.283

\* #####

\* St &amp; Cnty: 24033 MY: 2007 Speed: 42.0 Month: 01 1

\* File 1, Run 1, Scenario 42.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 42.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.23	6.80	7.87	7.07	8.38	0.605	0.389	1.855	5.44	6.368

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.23	6.80	7.87	7.07		0.605	0.389		5.438	
CO Total Exhaust:	6.23	6.80	7.87	7.07	8.38	0.605	0.389	1.855	5.44	6.368

\* #####

\* St &amp; Cnty: 24033 MY: 2007 Speed: 43.0 Month: 01 1

\* File 1, Run 1, Scenario 43.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 43.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.31	6.90	7.97	7.16	8.34	0.599	0.384	1.836	5.32	6.448

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.31	6.90	7.97	7.16		0.599	0.384		5.322	
CO Total Exhaust:	6.31	6.90	7.97	7.16	8.34	0.599	0.384	1.836	5.32	6.448

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 44.0 Month: 01 1

\* File 1, Run 1, Scenario 44.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 44.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	6.40	6.99	8.07	7.25	8.30	0.593	0.381	1.817	5.21	6.524

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.40	6.99	8.07	7.25		0.593	0.381		5.212	
CO Total Exhaust:	6.40	6.99	8.07	7.25	8.30	0.593	0.381	1.817	5.21	6.524

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 45.0 Month: 01 1

\* File 1, Run 1, Scenario 45.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 45.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	6.47	7.07	8.17	7.34	8.27	0.587	0.377	1.799	5.11	6.598

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	6.47	7.07	8.17	7.34	0.587	0.377				
CO Total Exhaust:	6.47	7.07	8.17	7.34	8.27	0.587	0.377	1.799	5.11	6.598

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 46.0 Month: 01 1

\* File 1, Run 1, Scenario 46.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 46.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.57	7.17	8.28	7.45	8.33	0.586	0.376	1.796	5.05	6.689

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	6.57	7.17	8.28	7.45	0.586	0.376				
CO Total Exhaust:	6.57	7.17	8.28	7.45	8.33	0.586	0.376	1.796	5.05	6.689

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 47.0 Month: 01 1

\* File 1, Run 1, Scenario 47.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 47.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.66	7.27	8.39	7.55	8.38	0.585	0.376	1.793	5.01	6.776

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	6.66	7.27	8.39	7.55	0.585	0.376				
CO Total Exhaust:	6.66	7.27	8.39	7.55	8.38	0.585	0.376	1.793	5.01	6.776

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 48.0 Month: 01 1

\* File 1, Run 1, Scenario 48.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 48.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	6.74	7.36	8.50	7.64	8.44	0.584	0.375	1.790	4.96	6.860
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	6.74	7.36	8.50	7.64	0.584	0.375			
CO Total Exhaust:	6.74	7.36	8.50	7.64	8.44	0.584	0.375	1.790	4.96

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 49.0 Month: 01 1

\* File 1, Run 1, Scenario 49.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 49.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	6.83	7.45	8.60	7.73	8.49	0.583	0.374	1.788	4.91	6.940
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.83	7.45	8.60	7.73		0.583	0.374		4.912	
CO Total Exhaust:	6.83	7.45	8.60	7.73	8.49	0.583	0.374	1.788	4.91	6.940

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 50.0 Month: 01 1

\* File 1, Run 1, Scenario 50.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 50.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	6.91	7.54	8.69	7.82	8.54	0.582	0.374	1.785	4.87	7.017
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.91	7.54	8.69	7.82		0.582	0.374		4.869	
CO Total Exhaust:	6.91	7.54	8.69	7.82	8.54	0.582	0.374	1.785	4.87	7.017

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 51.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 51.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	7.00	7.64	8.81	7.93	8.71	0.587	0.377	1.800	4.87	7.111
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Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	7.00	7.64	8.81	7.93		0.587	0.377		4.869	
CO Total Exhaust:	7.00	7.64	8.81	7.93	8.71	0.587	0.377	1.800	4.87	7.111

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 52.0 Month: 01 1

\* File 1, Run 1, Scenario 52.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 52.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.09	7.74	8.91	8.03	8.87	0.592	0.380	1.814	4.87	7.202

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	7.09	7.74	8.91	8.03		0.592	0.380		4.869	
CO Total Exhaust:	7.09	7.74	8.91	8.03	8.87	0.592	0.380	1.814	4.87	7.202

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 53.0 Month: 01 1

\* File 1, Run 1, Scenario 53.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 53.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.18	7.83	9.02	8.12	9.03	0.596	0.383	1.828	4.87	7.289

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.18	7.83	9.02	8.12		0.596	0.383		4.869	
CO Total Exhaust:	7.18	7.83	9.02	8.12	9.03	0.596	0.383	1.828	4.87	7.289

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 54.0 Month: 01 1

\* File 1, Run 1, Scenario 54.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 54.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	7.26	7.92	9.12	8.22	9.18	0.601	0.386	1.841	4.87	7.373

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.26	7.92	9.12	8.22		0.601	0.386		4.869	
CO Total Exhaust:	7.26	7.92	9.12	8.22	9.18	0.601	0.386	1.841	4.87	7.373

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 55.0 Month: 01 1

\* File 1, Run 1, Scenario 55.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 55.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	7.34	8.01	9.22	8.30	9.32	0.605	0.388	1.854	4.87	7.454

Exhaust emissions (g/mi):



## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	7.34	8.01	9.22	8.30		0.605	0.388			
CO Total Exhaust:	7.34	8.01	9.22	8.30	9.32	0.605	0.388	1.854	4.87	7.454

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 56.0 Month: 01 1

\* File 1, Run 1, Scenario 56.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 56.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.43	8.11	9.33	8.41	9.63	0.616	0.396	1.888	6.13	7.559

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	7.43	8.11	9.33	8.41		0.616	0.396		6.125	
CO Total Exhaust:	7.43	8.11	9.33	8.41	9.63	0.616	0.396	1.888	6.13	7.559

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 57.0 Month: 01 1

\* File 1, Run 1, Scenario 57.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 57.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.52	8.21	9.44	8.51	9.92	0.627	0.402	1.921	7.34	7.660

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	7.52	8.21	9.44	8.51		0.627	0.402		7.337	
CO Total Exhaust:	7.52	8.21	9.44	8.51	9.92	0.627	0.402	1.921	7.34	7.660

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 58.0 Month: 01 1

\* File 1, Run 1, Scenario 58.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 58.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	7.61	8.30	9.54	8.60	10.21	0.637	0.409	1.954	8.51	7.757

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
CO Running:	7.61	8.30	9.54	8.60		0.637	0.409		8.508	
CO Total Exhaust:	7.61	8.30	9.54	8.60	10.21	0.637	0.409	1.954	8.51	7.757

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 59.0 Month: 01 1

\* File 1, Run 1, Scenario 59.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 59.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Composite CO :	7.69	8.39	9.64	8.70	10.48	0.647	0.416	1.985	9.64	7.851

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.69	8.39	9.64	8.70		0.647	0.416		9.639	
CO Total Exhaust:	7.69	8.39	9.64	8.70	10.48	0.647	0.416	1.985	9.64	7.851

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 60.0 Month: 01 1

\* File 1, Run 1, Scenario 60.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 60.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	7.77	8.48	9.74	8.79	10.75	0.657	0.422	2.015	10.73	7.942
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.77	8.48	9.74	8.79		0.657	0.422		10.732	
CO Total Exhaust:	7.77	8.48	9.74	8.79	10.75	0.657	0.422	2.015	10.73	7.942

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 61.0 Month: 01 1

\* File 1, Run 1, Scenario 61.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 61.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	7.86	8.58	9.85	8.89	11.25	0.676	0.434	2.074	11.98	8.052
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

Exhaust emissions (g/mi):

## 2007PG. OUT

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	7.86	8.58	9.85	8.89		0.676	0.434		11.981	
CO Total Exhaust:	7.86	8.58	9.85	8.89	11.25	0.676	0.434	2.074	11.98	8.052

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 62.0 Month: 01 1

\* File 1, Run 1, Scenario 62.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 62.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.95	8.67	9.96	8.99	11.73	0.695	0.446	2.131	13.19	8.158

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	7.95	8.67	9.96	8.99		0.695	0.446		13.190	
CO Total Exhaust:	7.95	8.67	9.96	8.99	11.73	0.695	0.446	2.131	13.19	8.158

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 63.0 Month: 01 1

\* File 1, Run 1, Scenario 63.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 63.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.04	8.77	10.07	9.08	12.20	0.713	0.458	2.186	14.36	8.261

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000
CO Running:	8.04	8.77	10.07	9.08		0.713	0.458		14.361
CO Total Exhaust:	8.04	8.77	10.07	9.08	12.20	0.713	0.458	2.186	14.36

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 64.0 Month: 01 1

\* File 1, Run 1, Scenario 64.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 64.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.12	8.86	10.17	9.18	12.66	0.731	0.469	2.240	15.50	8.361

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000
CO Running:	8.12	8.86	10.17	9.18		0.731	0.469		15.495
CO Total Exhaust:	8.12	8.86	10.17	9.18	12.66	0.731	0.469	2.240	15.50

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 65.0 Month: 01 1

\* File 1, Run 1, Scenario 65.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 65.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.20	8.94	10.26	9.27	13.10	0.748	0.480	2.291	16.59	8.458

Exhaust emissions (g/mi):

## 2007PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.20	8.94	10.26	9.27		0.748	0.480		16.595	
CO Total Exhaust:	8.20	8.94	10.26	9.27	13.10	0.748	0.480	2.291	16.59	8.458

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 1.00 Month: 01 1

\* File 1, Run 1, Scenario 66.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp

M 52 Warning: 1.00 speed increased to 2.5 mph minimum

M581 Warning:  
The user supplied freeway average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	25.06	26.46	30.65	27.49	57.79	3.935	2.527	12.063	90.19	26.374

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	25.06	26.46	30.65	27.49		3.935	2.527		90.192	
CO Total Exhaust:	25.06	26.46	30.65	27.49	57.79	3.935	2.527	12.063	90.19	26.374

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 2.00 Month: 01 1

\* File 1, Run 1, Scenario 67.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp

M 52 Warning: 2.00 speed increased to 2.5 mph minimum

M581 Warning:  
The user supplied freeway average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	25.06	26.46	30.65	27.49	57.79	3.935	2.527	12.063	90.19	26.374
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	25.06	26.46	30.65	27.49		3.935	2.527		90.192	
CO Total Exhaust:	25.06	26.46	30.65	27.49	57.79	3.935	2.527	12.063	90.19	26.374

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\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 3.00 Month: 01 1

\* File 1, Run 1, Scenario 68.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 3.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

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Composite Emission Factors (g/mi):

Composite CO :	21.19	22.50	26.04	23.36	53.92	3.694	2.372	11.324	77.45	22.543
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	21.19	22.50	26.04	23.36		3.694	2.372		77.447	
CO Total Exhaust:	21.19	22.50	26.04	23.36	53.92	3.694	2.372	11.324	77.45	22.543

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\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 4.00 Month: 01 1

\* File 1, Run 1, Scenario 69.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 4.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	16.36	17.54	20.27	18.21	49.08	3.393	2.179	10.401	61.52	17.754
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	16.36	17.54	20.27	18.21		3.393	2.179		61.516	
CO Total Exhaust:	16.36	17.54	20.27	18.21	49.08	3.393	2.179	10.401	61.52	17.754

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\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 5.00 Month: 01 1

\* File 1, Run 1, Scenario 70.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 5.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	13.46	14.56	16.81	15.12	46.17	3.212	2.063	9.847	51.96	14.881
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	13.46	14.56	16.81	15.12		3.212	2.063		51.957	
CO Total Exhaust:	13.46	14.56	16.81	15.12	46.17	3.212	2.063	9.847	51.96	14.881

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\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 6.00 Month: 01 1

\* File 1, Run 1, Scenario 71.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 6.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

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2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	11.51	12.49	14.44	12.97	41.02	2.880	1.849	8.828	42.96	12.796
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	11.51	12.49	14.44	12.97		2.880	1.849		42.958	
CO Total Exhaust:	11.51	12.49	14.44	12.97	41.02	2.880	1.849	8.828	42.96	12.796

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\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 7.00 Month: 01 1

\* File 1, Run 1, Scenario 72.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 7.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

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Composite Emission Factors (g/mi):

Composite CO :	10.12	11.02	12.74	11.44	37.34	2.642	1.697	8.100	36.53	11.306
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.12	11.02	12.74	11.44		2.642	1.697		36.531	
CO Total Exhaust:	10.12	11.02	12.74	11.44	37.34	2.642	1.697	8.100	36.53	11.306

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\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 73.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 8.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

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2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	9.07	9.91	11.46	10.29	34.58	2.464	1.582	7.554	31.71	10.189
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	9.07	9.91	11.46	10.29		2.464	1.582		31.710	
CO Total Exhaust:	9.07	9.91	11.46	10.29	34.58	2.464	1.582	7.554	31.71	10.189

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\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 74.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 9.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	8.26	9.05	10.47	9.40	32.44	2.326	1.493	7.130	27.96	9.320
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.26	9.05	10.47	9.40		2.326	1.493		27.961	
CO Total Exhaust:	8.26	9.05	10.47	9.40	32.44	2.326	1.493	7.130	27.96	9.320

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 75.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 10.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.61	8.36	9.68	8.68	30.72	2.215	1.422	6.790	24.96	8.625
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.61	8.36	9.68	8.68		2.215	1.422		24.961	
CO Total Exhaust:	7.61	8.36	9.68	8.68	30.72	2.215	1.422	6.790	24.96	8.625

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 11.0 Month: 01 1

\* File 1, Run 1, Scenario 76.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 11.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.18	7.88	9.14	8.19	28.23	2.047	1.314	6.274	22.58	8.111
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.18	7.88	9.14	8.19		2.047	1.314		22.575	
CO Total Exhaust:	7.18	7.88	9.14	8.19	28.23	2.047	1.314	6.274	22.58	8.111

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 77.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 12.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.83	7.49	8.70	7.79	26.16	1.907	1.224	5.845	20.59	7.683
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.83	7.49	8.70	7.79		1.907	1.224		20.587	
CO Total Exhaust:	6.83	7.49	8.70	7.79	26.16	1.907	1.224	5.845	20.59	7.683

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 13.0 Month: 01 1  
 \* File 1, Run 1, Scenario 78.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 13.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.53	7.16	8.32	7.44	24.40	1.788	1.148	5.481	18.90	7.321
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.53	7.16	8.32	7.44		1.788	1.148		18.904	
CO Total Exhaust:	6.53	7.16	8.32	7.44	24.40	1.788	1.148	5.481	18.90	7.321

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 79.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.27	6.87	7.99	7.15	22.90	1.687	1.083	5.170	17.46	7.011
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.27	6.87	7.99	7.15		1.687	1.083		17.462	
CO Total Exhaust:	6.27	6.87	7.99	7.15	22.90	1.687	1.083	5.170	17.46	7.011

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 15.0 Month: 01 1

\* File 1, Run 1, Scenario 80.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 15.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.05	6.63	7.71	6.89	21.59	1.598	1.026	4.900	16.21	6.742
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.05	6.63	7.71	6.89		1.598	1.026		16.213	
CO Total Exhaust:	6.05	6.63	7.71	6.89	21.59	1.598	1.026	4.900	16.21	6.742

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 16.0 Month: 01 1

\* File 1, Run 1, Scenario 81.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 16.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	5.98	6.55	7.62	6.82	20.21	1.501	0.964	4.600	15.21	6.622

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.98	6.55	7.62	6.82		1.501	0.964		15.206	
CO Total Exhaust:	5.98	6.55	7.62	6.82	20.21	1.501	0.964	4.600	15.21	6.622

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\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 82.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	5.92	6.49	7.55	6.75	18.98	1.414	0.908	4.335	14.32	6.517

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.92	6.49	7.55	6.75		1.414	0.908		14.317	
CO Total Exhaust:	5.92	6.49	7.55	6.75	18.98	1.414	0.908	4.335	14.32	6.517

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 83.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.87	6.43	7.48	6.69	17.89	1.338	0.859	4.100	13.53	6.423
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.87	6.43	7.48	6.69		1.338	0.859		13.528	
CO Total Exhaust:	5.87	6.43	7.48	6.69	17.89	1.338	0.859	4.100	13.53	6.423

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 19.0 Month: 01 1

\* File 1, Run 1, Scenario 84.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 19.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.83	6.38	7.41	6.63	16.91	1.269	0.815	3.890	12.82	6.339
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.83	6.38	7.41	6.63		1.269	0.815		12.821	
CO Total Exhaust:	5.83	6.38	7.41	6.63	16.91	1.269	0.815	3.890	12.82	6.339

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 20.0 Month: 01 1

\* File 1, Run 1, Scenario 85.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 20.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.78	6.33	7.36	6.58	16.04	1.207	0.775	3.700	12.19	6.264
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.78	6.33	7.36	6.58		1.207	0.775		12.185	
CO Total Exhaust:	5.78	6.33	7.36	6.58	16.04	1.207	0.775	3.700	12.19	6.264

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 86.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 21.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.75	6.29	7.31	6.54	15.22	1.147	0.736	3.516	11.60	6.194
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.75	6.29	7.31	6.54		1.147	0.736		11.597	
CO Total Exhaust:	5.75	6.29	7.31	6.54	15.22	1.147	0.736	3.516	11.60	6.194

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 87.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 22.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---



2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.71	6.25	7.26	6.50	14.47	1.092	0.701	3.348	11.06	6.130
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.71	6.25	7.26	6.50		1.092	0.701		11.063	
CO Total Exhaust:	5.71	6.25	7.26	6.50	14.47	1.092	0.701	3.348	11.06	6.130

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 88.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 23.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.68	6.22	7.22	6.46	13.79	1.042	0.669	3.194	10.57	6.072
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.68	6.22	7.22	6.46		1.042	0.669		10.575	
CO Total Exhaust:	5.68	6.22	7.22	6.46	13.79	1.042	0.669	3.194	10.57	6.072

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 89.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 24.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.65	6.19	7.18	6.43	13.16	0.996	0.640	3.054	10.13	6.019
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.65	6.19	7.18	6.43		0.996	0.640		10.128	
CO Total Exhaust:	5.65	6.19	7.18	6.43	13.16	0.996	0.640	3.054	10.13	6.019

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 25.0 Month: 01 1

\* File 1, Run 1, Scenario 90.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 25.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.62	6.16	7.14	6.40	12.58	0.954	0.613	2.925	9.72	5.970
----------------	------	------	------	------	-------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.62	6.16	7.14	6.40		0.954	0.613		9.716	
CO Total Exhaust:	5.62	6.16	7.14	6.40	12.58	0.954	0.613	2.925	9.72	5.970

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 26.0 Month: 01 1

\* File 1, Run 1, Scenario 91.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 26.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	5.60	6.13	7.11	6.37	12.09	0.916	0.588	2.808	9.30	5.926

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.60	6.13	7.11	6.37		0.916	0.588		9.304	
CO Total Exhaust:	5.60	6.13	7.11	6.37	12.09	0.916	0.588	2.808	9.30	5.926

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 27.0 Month: 01 1  
 \* File 1, Run 1, Scenario 92.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	5.58	6.11	7.08	6.34	11.63	0.881	0.566	2.700	8.92	5.885

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.58	6.11	7.08	6.34		0.881	0.566		8.922	
CO Total Exhaust:	5.58	6.11	7.08	6.34	11.63	0.881	0.566	2.700	8.92	5.885

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 28.0 Month: 01 1  
 \* File 1, Run 1, Scenario 93.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	5.56	6.08	7.05	6.32	11.20	0.848	0.545	2.600	8.57	5.847

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.56	6.08	7.05	6.32		0.848	0.545		8.568	
CO Total Exhaust:	5.56	6.08	7.05	6.32	11.20	0.848	0.545	2.600	8.57	5.847

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 94.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	5.54	6.06	7.03	6.30	10.80	0.818	0.525	2.506	8.24	5.811

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.54	6.06	7.03	6.30		0.818	0.525		8.238	
CO Total Exhaust:	5.54	6.06	7.03	6.30	10.80	0.818	0.525	2.506	8.24	5.811

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 30.0 Month: 01 1  
 \* File 1, Run 1, Scenario 95.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	5.52	6.04	7.00	6.28	10.43	0.789	0.507	2.419	7.93	5.778

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.52	6.04	7.00	6.28		0.789	0.507		7.930	
CO Total Exhaust:	5.52	6.04	7.00	6.28	10.43	0.789	0.507	2.419	7.93	5.778

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 96.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	5.54	6.06	7.03	6.30	10.14	0.765	0.491	2.346	7.63	5.786

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.54	6.06	7.03	6.30		0.765	0.491		7.631	
CO Total Exhaust:	5.54	6.06	7.03	6.30	10.14	0.765	0.491	2.346	7.63	5.786

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 97.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	5.56	6.08	7.05	6.32	9.87	0.743	0.477	2.277	7.35	5.793

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.56	6.08	7.05	6.32		0.743	0.477		7.351	
CO Total Exhaust:	5.56	6.08	7.05	6.32	9.87	0.743	0.477	2.277	7.35	5.793

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 33.0 Month: 01 1  
 \* File 1, Run 1, Scenario 98.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 33.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	5.58	6.10	7.08	6.34	9.61	0.722	0.463	2.212	7.09	5.799

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.58	6.10	7.08	6.34		0.722	0.463		7.088	
CO Total Exhaust:	5.58	6.10	7.08	6.34	9.61	0.722	0.463	2.212	7.09	5.799

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 34.0 Month: 01 1  
 \* File 1, Run 1, Scenario 99.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 34.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.59	6.12	7.10	6.36	9.37	0.702	0.451	2.152	6.84	5.806
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.59	6.12	7.10	6.36		0.702	0.451		6.840	
CO Total Exhaust:	5.59	6.12	7.10	6.36	9.37	0.702	0.451	2.152	6.84	5.806

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 100.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 35.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.61	6.14	7.12	6.38	9.14	0.683	0.439	2.094	6.61	5.811
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.61	6.14	7.12	6.38		0.683	0.439		6.606	
CO Total Exhaust:	5.61	6.14	7.12	6.38	9.14	0.683	0.439	2.094	6.61	5.811

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 36.0 Month: 01 1

\* File 1, Run 1, Scenario 101.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 36.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.71	6.24	7.24	6.48	8.99	0.669	0.430	2.050	6.40	5.897
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.71	6.24	7.24	6.48		0.669	0.430		6.402	
CO Total Exhaust:	5.71	6.24	7.24	6.48	8.99	0.669	0.430	2.050	6.40	5.897

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 102.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.80	6.34	7.35	6.59	8.84	0.655	0.421	2.009	6.21	5.977
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.80	6.34	7.35	6.59		0.655	0.421		6.209	
CO Total Exhaust:	5.80	6.34	7.35	6.59	8.84	0.655	0.421	2.009	6.21	5.977

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 103.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---



2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	5.88	6.43	7.45	6.68	8.71	0.643	0.413	1.970	6.03	6.054
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.88	6.43	7.45	6.68		0.643	0.413		6.025	
CO Total Exhaust:	5.88	6.43	7.45	6.68	8.71	0.643	0.413	1.970	6.03	6.054

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 39.0 Month: 01 1

\* File 1, Run 1, Scenario 104.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 39.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.96	6.52	7.55	6.77	8.58	0.630	0.405	1.933	5.85	6.126
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.96	6.52	7.55	6.77		0.630	0.405		5.852	
CO Total Exhaust:	5.96	6.52	7.55	6.77	8.58	0.630	0.405	1.933	5.85	6.126

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 40.0 Month: 01 1

\* File 1, Run 1, Scenario 105.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 40.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	6.04	6.60	7.64	6.86	8.46	0.619	0.397	1.897	5.69	6.195

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.04	6.60	7.64	6.86		0.619	0.397		5.687	
CO Total Exhaust:	6.04	6.60	7.64	6.86	8.46	0.619	0.397	1.897	5.69	6.195

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 106.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	6.14	6.71	7.76	6.96	8.42	0.612	0.393	1.876	5.56	6.283

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.14	6.71	7.76	6.96		0.612	0.393		5.559	
CO Total Exhaust:	6.14	6.71	7.76	6.96	8.42	0.612	0.393	1.876	5.56	6.283

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 42.0 Month: 01 1  
 \* File 1, Run 1, Scenario 107.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	6.23	6.80	7.87	7.07	8.38	0.605	0.389	1.855	5.44	6.368

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.23	6.80	7.87	7.07		0.605	0.389		5.438	
CO Total Exhaust:	6.23	6.80	7.87	7.07	8.38	0.605	0.389	1.855	5.44	6.368

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 108.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	6.31	6.90	7.97	7.16	8.34	0.599	0.384	1.836	5.32	6.448

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.31	6.90	7.97	7.16		0.599	0.384		5.322	
CO Total Exhaust:	6.31	6.90	7.97	7.16	8.34	0.599	0.384	1.836	5.32	6.448

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 109.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	6.40	6.99	8.07	7.25	8.30	0.593	0.381	1.817	5.21	6.524

---

Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.40	6.99	8.07	7.25		0.593	0.381		5.212	
CO Total Exhaust:	6.40	6.99	8.07	7.25	8.30	0.593	0.381	1.817	5.21	6.524

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 110.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	6.47	7.07	8.17	7.34	8.27	0.587	0.377	1.799	5.11	6.598

---

Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.47	7.07	8.17	7.34		0.587	0.377		5.106	
CO Total Exhaust:	6.47	7.07	8.17	7.34	8.27	0.587	0.377	1.799	5.11	6.598

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 111.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.57	7.17	8.28	7.45	8.33	0.586	0.376	1.796	5.05	6.689
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.57	7.17	8.28	7.45		0.586	0.376		5.055	
CO Total Exhaust:	6.57	7.17	8.28	7.45	8.33	0.586	0.376	1.796	5.05	6.689

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 47.0 Month: 01 1

\* File 1, Run 1, Scenario 112.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 47.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.66	7.27	8.39	7.55	8.38	0.585	0.376	1.793	5.01	6.776
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.66	7.27	8.39	7.55		0.585	0.376		5.005	
CO Total Exhaust:	6.66	7.27	8.39	7.55	8.38	0.585	0.376	1.793	5.01	6.776

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 48.0 Month: 01 1

\* File 1, Run 1, Scenario 113.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 48.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.74	7.36	8.50	7.64	8.44	0.584	0.375	1.790	4.96	6.860
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.74	7.36	8.50	7.64		0.584	0.375		4.958	
CO Total Exhaust:	6.74	7.36	8.50	7.64	8.44	0.584	0.375	1.790	4.96	6.860

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 49.0 Month: 01 1  
 \* File 1, Run 1, Scenario 114.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 49.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	6.83	7.45	8.60	7.73	8.49	0.583	0.374	1.788	4.91	6.940
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.83	7.45	8.60	7.73		0.583	0.374		4.912	
CO Total Exhaust:	6.83	7.45	8.60	7.73	8.49	0.583	0.374	1.788	4.91	6.940

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 50.0 Month: 01 1  
 \* File 1, Run 1, Scenario 115.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.91	7.54	8.69	7.82	8.54	0.582	0.374	1.785	4.87	7.017
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.91	7.54	8.69	7.82		0.582	0.374		4.869	
CO Total Exhaust:	6.91	7.54	8.69	7.82	8.54	0.582	0.374	1.785	4.87	7.017

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 116.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 51.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.00	7.64	8.81	7.93	8.71	0.587	0.377	1.800	4.87	7.111
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.00	7.64	8.81	7.93		0.587	0.377		4.869	
CO Total Exhaust:	7.00	7.64	8.81	7.93	8.71	0.587	0.377	1.800	4.87	7.111

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 52.0 Month: 01 1

\* File 1, Run 1, Scenario 117.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 52.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: No  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.09	7.74	8.91	8.03	8.87	0.592	0.380	1.814	4.87	7.202
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.09	7.74	8.91	8.03		0.592	0.380		4.869	
CO Total Exhaust:	7.09	7.74	8.91	8.03	8.87	0.592	0.380	1.814	4.87	7.202

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 53.0 Month: 01 1

\* File 1, Run 1, Scenario 118.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 53.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.18	7.83	9.02	8.12	9.03	0.596	0.383	1.828	4.87	7.289
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.18	7.83	9.02	8.12		0.596	0.383		4.869	
CO Total Exhaust:	7.18	7.83	9.02	8.12	9.03	0.596	0.383	1.828	4.87	7.289

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 54.0 Month: 01 1

\* File 1, Run 1, Scenario 119.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 54.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---



2007PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	7.26	7.92	9.12	8.22	9.18	0.601	0.386	1.841	4.87	7.373

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.26	7.92	9.12	8.22		0.601	0.386		4.869	
CO Total Exhaust:	7.26	7.92	9.12	8.22	9.18	0.601	0.386	1.841	4.87	7.373

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 55.0 Month: 01 1  
 \* File 1, Run 1, Scenario 120.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 55.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	7.34	8.01	9.22	8.30	9.32	0.605	0.388	1.854	4.87	7.454

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.34	8.01	9.22	8.30		0.605	0.388		4.869	
CO Total Exhaust:	7.34	8.01	9.22	8.30	9.32	0.605	0.388	1.854	4.87	7.454

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 56.0 Month: 01 1  
 \* File 1, Run 1, Scenario 121.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 56.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.43	8.11	9.33	8.41	9.63	0.616	0.396	1.888	6.13	7.559
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.43	8.11	9.33	8.41		0.616	0.396		6.125	
CO Total Exhaust:	7.43	8.11	9.33	8.41	9.63	0.616	0.396	1.888	6.13	7.559

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 57.0 Month: 01 1

\* File 1, Run 1, Scenario 122.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 57.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.52	8.21	9.44	8.51	9.92	0.627	0.402	1.921	7.34	7.660
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.52	8.21	9.44	8.51		0.627	0.402		7.337	
CO Total Exhaust:	7.52	8.21	9.44	8.51	9.92	0.627	0.402	1.921	7.34	7.660

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 58.0 Month: 01 1

\* File 1, Run 1, Scenario 123.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 58.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.61	8.30	9.54	8.60	10.21	0.637	0.409	1.954	8.51	7.757
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.61	8.30	9.54	8.60		0.637	0.409		8.508	
CO Total Exhaust:	7.61	8.30	9.54	8.60	10.21	0.637	0.409	1.954	8.51	7.757

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 59.0 Month: 01 1

\* File 1, Run 1, Scenario 124.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 59.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.69	8.39	9.64	8.70	10.48	0.647	0.416	1.985	9.64	7.851
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.69	8.39	9.64	8.70		0.647	0.416		9.639	
CO Total Exhaust:	7.69	8.39	9.64	8.70	10.48	0.647	0.416	1.985	9.64	7.851

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 60.0 Month: 01 1

\* File 1, Run 1, Scenario 125.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 60.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.77	8.48	9.74	8.79	10.75	0.657	0.422	2.015	10.73	7.942
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.77	8.48	9.74	8.79		0.657	0.422		10.732	
CO Total Exhaust:	7.77	8.48	9.74	8.79	10.75	0.657	0.422	2.015	10.73	7.942

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 61.0 Month: 01 1

\* File 1, Run 1, Scenario 126.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 61.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	7.86	8.58	9.85	8.89	11.25	0.676	0.434	2.074	11.98	8.052
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.86	8.58	9.85	8.89		0.676	0.434		11.981	
CO Total Exhaust:	7.86	8.58	9.85	8.89	11.25	0.676	0.434	2.074	11.98	8.052

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 62.0 Month: 01 1

\* File 1, Run 1, Scenario 127.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 62.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	7.95	8.67	9.96	8.99	11.73	0.695	0.446	2.131	13.19	8.158
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.95	8.67	9.96	8.99		0.695	0.446		13.190	
CO Total Exhaust:	7.95	8.67	9.96	8.99	11.73	0.695	0.446	2.131	13.19	8.158

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 63.0 Month: 01 1  
 \* File 1, Run 1, Scenario 128.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 63.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	8.04	8.77	10.07	9.08	12.20	0.713	0.458	2.186	14.36	8.261
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.04	8.77	10.07	9.08		0.713	0.458		14.361	
CO Total Exhaust:	8.04	8.77	10.07	9.08	12.20	0.713	0.458	2.186	14.36	8.261

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 64.0 Month: 01 1  
 \* File 1, Run 1, Scenario 129.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 64.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	8.12	8.86	10.17	9.18	12.66	0.731	0.469	2.240	15.50	8.361
----------------	------	------	-------	------	-------	-------	-------	-------	-------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.12	8.86	10.17	9.18		0.731	0.469		15.495	
CO Total Exhaust:	8.12	8.86	10.17	9.18	12.66	0.731	0.469	2.240	15.50	8.361

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 65.0 Month: 01 1

\* File 1, Run 1, Scenario 130.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 65.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095	-----	0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	8.20	8.94	10.26	9.27	13.10	0.748	0.480	2.291	16.59	8.458
----------------	------	------	-------	------	-------	-------	-------	-------	-------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.20	8.94	10.26	9.27		0.748	0.480		16.595	
CO Total Exhaust:	8.20	8.94	10.26	9.27	13.10	0.748	0.480	2.291	16.59	8.458

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 34.6 Month: 01 1

\* File 1, Run 1, Scenario 131.

\* #####

\* FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp

\* Reading Hourly Roadway VMT distribution from the following external data file: EXT\_DATA\VMT\FAC\FV4.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095	-----	0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	11.63	11.60	12.25	11.76	9.22	0.690	0.443	2.115	6.63	11.009
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---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	11.63	11.60	12.25	11.76		0.690	0.443		6.629	
CO Total Exhaust:	11.63	11.60	12.25	11.76	9.22	0.690	0.443	2.115	6.63	11.009

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 12.9 Month: 01 1

\* File 1, Run 1, Scenario 132.

\* #####

\*FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKCOLD.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	19.88	22.52	21.44	22.26	24.87	3.693	2.195	5.588	31.21	20.208
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Exhaust emissions (g/mi):

CO Start:	15.02	16.97	15.01	16.49		1.870	1.025		12.255	
CO Running:	4.85	5.55	6.43	5.76		1.823	1.171		18.955	
CO Total Exhaust:	19.88	22.52	21.44	22.26	24.87	3.693	2.195	5.588	31.21	20.208

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 12.9 Month: 01 1

\* File 1, Run 1, Scenario 133.

\* #####

\*FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKHOT.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4633	0.3371	0.1095		0.0228	0.0012	0.0044	0.0565	0.0052	1.0000

---

2007PG. OUT

Composite Emission Factors (g/mi):

Composite CO :	6.71	7.71	8.38	7.88	24.87	2.449	1.514	5.588	21.06	7.631
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Exhaust emissions (g/mi):

CO Start:	1.86	2.17	1.95	2.12		0.626	0.343		2.110	
CO Running:	4.85	5.55	6.43	5.76		1.823	1.171		18.955	
CO Total Exhaust:	6.71	7.71	8.38	7.88	24.87	2.449	1.514	5.588	21.06	7.631

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 12.9 Month: 01 1

\* File 1, Run 1, Scenario 134.

\* #####

\*FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	4.85	5.55	6.43	5.76	24.79	1.823	1.171	5.620	18.95	5.453
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	4.85	5.55	6.43	5.76		1.823	1.171		18.955	
CO Total Exhaust:	4.85	5.55	6.43	5.76	24.79	1.823	1.171	5.620	18.95	5.453

---

\* #####

\* St & Cnty: 24033 MY: 2007 Speed: 1.00 Month: 01 1

\* File 1, Run 1, Scenario 135.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc

M 52 Warning:

1.00 speed increased to 2.5 mph minimum

M583 Warning:

The user supplied arterial average speed of 2.5 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes

Evap I/M Program: No

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						

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2007PG. OUT

VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	25.06	26.46	30.65	27.49	57.61	3.935	2.527	12.132	90.19	26.446
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	25.06	26.46	30.65	27.49		3.935	2.527		90.192	
CO Total Exhaust:	25.06	26.46	30.65	27.49	57.61	3.935	2.527	12.132	90.19	26.446

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 136.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 M 52 Warning:

2.00 speed increased to 2.5 mph minimum

M583 Warning:

The user supplied arterial average speed of 2.5 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

---

VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	25.06	26.46	30.65	27.49	57.61	3.935	2.527	12.132	90.19	26.446
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	25.06	26.46	30.65	27.49		3.935	2.527		90.192	
CO Total Exhaust:	25.06	26.46	30.65	27.49	57.61	3.935	2.527	12.132	90.19	26.446

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 137.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 3.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	13.46	14.56	16.81	15.12	46.03	3.212	2.063	9.904	51.96	14.513
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	13.46	14.56	16.81	15.12		3.212	2.063		51.957	
CO Total Exhaust:	13.46	14.56	16.81	15.12	46.03	3.212	2.063	9.904	51.96	14.513

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 6.00 Month: 01 1  
 \* File 1, Run 1, Scenario 140.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	11.72	12.73	14.70	13.21	40.89	2.880	1.849	8.879	42.96	12.658
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	11.72	12.73	14.70	13.21		2.880	1.849		42.958	
CO Total Exhaust:	11.72	12.73	14.70	13.21	40.89	2.880	1.849	8.879	42.96	12.658

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 141.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						



2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	8.83	9.68	11.17	10.04	32.34	2.326	1.494	7.171	27.96	9.565
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	8.83	9.68	11.17	10.04		2.326	1.494		27.961	
CO Total Exhaust:	8.83	9.68	11.17	10.04	32.34	2.326	1.494	7.171	27.96	9.565
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 10.0 Month: 01 1  
 \* File 1, Run 1, Scenario 144.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	8.25	9.07	10.46	9.41	30.62	2.215	1.422	6.829	24.96	8.947
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	8.25	9.07	10.46	9.41		2.215	1.422		24.961	
CO Total Exhaust:	8.25	9.07	10.46	9.41	30.62	2.215	1.422	6.829	24.96	8.947
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 11.0 Month: 01 1  
 \* File 1, Run 1, Scenario 145.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 11.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.85	8.63	9.96	8.95	28.14	2.047	1.314	6.310	22.58	8.500
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	7.85	8.63	9.96	8.95		2.047	1.314		22.575	
CO Total Exhaust:	7.85	8.63	9.96	8.95	28.14	2.047	1.314	6.310	22.58	8.500

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 12.0 Month: 01 1  
 \* File 1, Run 1, Scenario 146.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 12.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.52	8.26	9.54	8.57	26.07	1.907	1.224	5.878	20.59	8.129
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	7.52	8.26	9.54	8.57		1.907	1.224		20.587	
CO Total Exhaust:	7.52	8.26	9.54	8.57	26.07	1.907	1.224	5.878	20.59	8.129

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 13.0 Month: 01 1  
 \* File 1, Run 1, Scenario 147.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 13.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.24	7.95	9.18	8.25	24.33	1.788	1.148	5.513	18.90	7.814
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	7.24	7.95	9.18	8.25		1.788	1.148		18.904	
CO Total Exhaust:	7.24	7.95	9.18	8.25	24.33	1.788	1.148	5.513	18.90	7.814

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 148.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.00	7.69	8.88	7.98	22.83	1.687	1.083	5.200	17.46	7.544
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	7.00	7.69	8.88	7.98		1.687	1.083		17.462	
CO Total Exhaust:	7.00	7.69	8.88	7.98	22.83	1.687	1.083	5.200	17.46	7.544

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 149.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.79	7.45	8.62	7.74	21.53	1.598	1.026	4.928	16.21	7.311
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.79	7.45	8.62	7.74		1.598	1.026		16.213	
CO Total Exhaust:	6.79	7.45	8.62	7.74	21.53	1.598	1.026	4.928	16.21	7.311

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 150.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.61	7.25	8.39	7.53	20.14	1.501	0.964	4.626	15.21	7.104
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.61	7.25	8.39	7.53		1.501	0.964		15.206	
CO Total Exhaust:	6.61	7.25	8.39	7.53	20.14	1.501	0.964	4.626	15.21	7.104

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 151.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						



2007PG. OUT

GVWR:	<6000	>6000	(All)							
MT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.45	7.08	8.18	7.35	18.92	1.414	0.908	4.360	14.32	6.923
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.45	7.08	8.18	7.35		1.414	0.908		14.317	
CO Total Exhaust:	6.45	7.08	8.18	7.35	18.92	1.414	0.908	4.360	14.32	6.923

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 152.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
MT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.30	6.92	8.00	7.18	17.83	1.338	0.859	4.124	13.53	6.761
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.30	6.92	8.00	7.18		1.338	0.859		13.528	
CO Total Exhaust:	6.30	6.92	8.00	7.18	17.83	1.338	0.859	4.124	13.53	6.761

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 153.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
MT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.30	6.92	8.00	7.18	17.83	1.338	0.859	4.124	13.53	6.761
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.30	6.92	8.00	7.18		1.338	0.859		13.528	
CO Total Exhaust:	6.30	6.92	8.00	7.18	17.83	1.338	0.859	4.124	13.53	6.761

2007PG. OUT										
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	6.18	6.78	7.84	7.04	16.86	1.269	0.815	3.912	12.82	6.616
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.18	6.78	7.84	7.04		1.269	0.815		12.821	
CO Total Exhaust:	6.18	6.78	7.84	7.04	16.86	1.269	0.815	3.912	12.82	6.616
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 154.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	6.06	6.65	7.69	6.90	15.99	1.207	0.775	3.722	12.19	6.486
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.06	6.65	7.69	6.90		1.207	0.775		12.185	
CO Total Exhaust:	6.06	6.65	7.69	6.90	15.99	1.207	0.775	3.722	12.19	6.486
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 21.0 Month: 01 1  
 \* File 1, Run 1, Scenario 155.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 21.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
					Page 78					

2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.97	6.55	7.58	6.80	15.17	1.147	0.736	3.536	11.60	6.380
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.97	6.55	7.58	6.80		1.147	0.736		11.597	
CO Total Exhaust:	5.97	6.55	7.58	6.80	15.17	1.147	0.736	3.536	11.60	6.380

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 22.0 Month: 01 1  
 \* File 1, Run 1, Scenario 156.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 22.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.88	6.45	7.48	6.70	14.42	1.092	0.701	3.367	11.06	6.284
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.88	6.45	7.48	6.70		1.092	0.701		11.063	
CO Total Exhaust:	5.88	6.45	7.48	6.70	14.42	1.092	0.701	3.367	11.06	6.284

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 23.0 Month: 01 1  
 \* File 1, Run 1, Scenario 157.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 23.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.81	6.37	7.38	6.62	13.74	1.042	0.669	3.213	10.57	6.197
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.81	6.37	7.38	6.62		1.042	0.669		10.575	
CO Total Exhaust:	5.81	6.37	7.38	6.62	13.74	1.042	0.669	3.213	10.57	6.197

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 24.0 Month: 01 1  
 \* File 1, Run 1, Scenario 158.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.74	6.29	7.29	6.54	13.12	0.996	0.640	3.072	10.13	6.116
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.74	6.29	7.29	6.54		0.996	0.640		10.128	
CO Total Exhaust:	5.74	6.29	7.29	6.54	13.12	0.996	0.640	3.072	10.13	6.116

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 25.0 Month: 01 1  
 \* File 1, Run 1, Scenario 159.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
					Page 80					

2007PG. OUT										
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.67	6.22	7.21	6.46	12.54	0.954	0.613	2.942	9.72	6.043
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.67	6.22	7.21	6.46		0.954	0.613		9.716	
CO Total Exhaust:	5.67	6.22	7.21	6.46	12.54	0.954	0.613	2.942	9.72	6.043

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 26.0 Month: 01 1  
 \* File 1, Run 1, Scenario 160.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.64	6.18	7.17	6.42	12.05	0.916	0.588	2.824	9.30	6.000
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.64	6.18	7.17	6.42		0.916	0.588		9.304	
CO Total Exhaust:	5.64	6.18	7.17	6.42	12.05	0.916	0.588	2.824	9.30	6.000

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 27.0 Month: 01 1  
 \* File 1, Run 1, Scenario 161.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
					81					

2007PG. OUT

GVWR:	<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000

Composite Emission Factors (g/mi):

Composite CO :	5.61	6.14	7.12	6.38	11.59	0.881	0.566	2.716	8.92	5.961
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.61	6.14	7.12	6.38		0.881	0.566		8.922	
CO Total Exhaust:	5.61	6.14	7.12	6.38	11.59	0.881	0.566	2.716	8.92	5.961

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 28.0 Month: 01 1  
 \* File 1, Run 1, Scenario 162.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000	

Composite Emission Factors (g/mi):

Composite CO :	5.58	6.11	7.09	6.35	11.17	0.848	0.545	2.615	8.57	5.924
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.58	6.11	7.09	6.35		0.848	0.545		8.568	
CO Total Exhaust:	5.58	6.11	7.09	6.35	11.17	0.848	0.545	2.615	8.57	5.924

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 163.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
---------------	------	--------	--------	------	------	------	------	------	----	---------

2007PG. OUT										
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	5.55	6.08	7.05	6.32	10.77	0.818	0.525	2.521	8.24	5.890
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.55	6.08	7.05	6.32		0.818	0.525		8.238	
CO Total Exhaust:	5.55	6.08	7.05	6.32	10.77	0.818	0.525	2.521	8.24	5.890

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 30.0 Month: 01 1  
 \* File 1, Run 1, Scenario 164.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	5.53	6.05	7.02	6.29	10.40	0.789	0.507	2.433	7.93	5.858
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.53	6.05	7.02	6.29		0.789	0.507		7.930	
CO Total Exhaust:	5.53	6.05	7.02	6.29	10.40	0.789	0.507	2.433	7.93	5.858

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 165.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh

2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.55	6.07	7.04	6.31	10.11	0.765	0.491	2.359	7.63	5.873
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.55	6.07	7.04	6.31		0.765	0.491		7.631	
CO Total Exhaust:	5.55	6.07	7.04	6.31	10.11	0.765	0.491	2.359	7.63	5.873

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 166.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168	-----	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.56	6.09	7.06	6.33	9.84	0.743	0.477	2.290	7.35	5.887
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.56	6.09	7.06	6.33		0.743	0.477		7.351	
CO Total Exhaust:	5.56	6.09	7.06	6.33	9.84	0.743	0.477	2.290	7.35	5.887

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 33.0 Month: 01 1  
 \* File 1, Run 1, Scenario 167.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 33.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh



2007PG. OUT										
GVWR:	<6000	>6000	(All)							
MT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.58	6.10	7.08	6.34	9.58	0.722	0.463	2.225	7.09	5.901
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.58	6.10	7.08	6.34		0.722	0.463		7.088	
CO Total Exhaust:	5.58	6.10	7.08	6.34	9.58	0.722	0.463	2.225	7.09	5.901

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 34.0 Month: 01 1  
 \* File 1, Run 1, Scenario 168.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 34.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
MT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.60	6.12	7.10	6.36	9.34	0.702	0.451	2.164	6.84	5.913
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.60	6.12	7.10	6.36		0.702	0.451		6.840	
CO Total Exhaust:	5.60	6.12	7.10	6.36	9.34	0.702	0.451	2.164	6.84	5.913

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 35.0 Month: 01 1  
 \* File 1, Run 1, Scenario 169.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
					Page 85					

2007PG. OUT

GVWR:	<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	5.61	6.14	7.12	6.38	9.11	0.683	0.439	2.106	6.61	5.925
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.61	6.14	7.12	6.38		0.683	0.439		6.606	
CO Total Exhaust:	5.61	6.14	7.12	6.38	9.11	0.683	0.439	2.106	6.61	5.925

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 170.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168	0.0050	0.0012	0.0047	0.0124	0.0055	1.0000	

---

Composite Emission Factors (g/mi):

Composite CO :	5.71	6.24	7.24	6.48	8.96	0.669	0.430	2.062	6.40	6.021
----------------	------	------	------	------	------	-------	-------	-------	------	-------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.71	6.24	7.24	6.48		0.669	0.430		6.402	
CO Total Exhaust:	5.71	6.24	7.24	6.48	8.96	0.669	0.430	2.062	6.40	6.021

---

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 171.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.80	6.34	7.35	6.59	8.82	0.655	0.421	2.021	6.21	6.111
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.80	6.34	7.35	6.59		0.655	0.421		6.209	
CO Total Exhaust:	5.80	6.34	7.35	6.59	8.82	0.655	0.421	2.021	6.21	6.111

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 172.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.88	6.43	7.45	6.68	8.68	0.643	0.413	1.981	6.03	6.198
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.88	6.43	7.45	6.68		0.643	0.413		6.025	
CO Total Exhaust:	5.88	6.43	7.45	6.68	8.68	0.643	0.413	1.981	6.03	6.198

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 39.0 Month: 01 1  
 \* File 1, Run 1, Scenario 173.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
					87					

2007PG. OUT

GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.96	6.52	7.55	6.77	8.55	0.630	0.405	1.944	5.85	6.279
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	5.96	6.52	7.55	6.77		0.630	0.405		5.852	
CO Total Exhaust:	5.96	6.52	7.55	6.77	8.55	0.630	0.405	1.944	5.85	6.279

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 40.0 Month: 01 1  
 \* File 1, Run 1, Scenario 174.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.04	6.60	7.64	6.86	8.43	0.619	0.397	1.908	5.69	6.357
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.04	6.60	7.64	6.86		0.619	0.397		5.687	
CO Total Exhaust:	6.04	6.60	7.64	6.86	8.43	0.619	0.397	1.908	5.69	6.357

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 175.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2007PG. OUT										
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.14	6.71	7.76	6.96	8.39	0.612	0.393	1.887	5.56	6.453
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.14	6.71	7.76	6.96		0.612	0.393		5.559	
CO Total Exhaust:	6.14	6.71	7.76	6.96	8.39	0.612	0.393	1.887	5.56	6.453

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 42.0 Month: 01 1  
 \* File 1, Run 1, Scenario 176.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.23	6.80	7.87	7.07	8.35	0.605	0.389	1.866	5.44	6.544
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.23	6.80	7.87	7.07		0.605	0.389		5.438	
CO Total Exhaust:	6.23	6.80	7.87	7.07	8.35	0.605	0.389	1.866	5.44	6.544

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 177.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
					Page 89					

2007PG. OUT										
GVWR:	<6000	>6000	(All)							
MT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.31	6.90	7.97	7.16	8.31	0.599	0.385	1.846	5.32	6.632
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.31	6.90	7.97	7.16		0.599	0.385		5.322	
CO Total Exhaust:	6.31	6.90	7.97	7.16	8.31	0.599	0.385	1.846	5.32	6.632

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 178.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
MT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.40	6.99	8.07	7.25	8.28	0.593	0.381	1.827	5.21	6.715
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.40	6.99	8.07	7.25		0.593	0.381		5.212	
CO Total Exhaust:	6.40	6.99	8.07	7.25	8.28	0.593	0.381	1.827	5.21	6.715

\* #####  
 \* St & Cnty: 24033 MY: 2007 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 179.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2007  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 33. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: No  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
					Page 90					

GVWR:					2007PG. OUT					
	<6000	>6000	(All)							
VMT Distribution:	0.4946	0.3598	0.1168		0.0050	0.0012	0.0047	0.0124	0.0055	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	6.47	7.07	8.17	7.34	8.24	0.587	0.377	1.809	5.11	6.795
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	2.12		0.000	0.000		0.000	
CO Running:	6.47	7.07	8.17	7.34		0.587	0.377		5.106	
CO Total Exhaust:	6.47	7.07	8.17	7.34	8.24	0.587	0.377	1.809	5.11	6.795
-----										

```

MOBILE6 INPUT FILE :
> HEADER: State - MD / County - Montgomery

REPORT FILE      : e:\aqprog\mobile62\06mont\co\2015mont.out REPLACE
DATABASE OUTPUT  :
WITH FIELDNAMES  :
pollutants       : CO
DAILY OUTPUT     :
EMISSIONS TABLE : e:\aqprog\mobile62\06mont\co\2015mont.TB1 REPLACE
SPREADSHEET      : e:\aqprog\mobile62\06mont\co\2015mont..TAB REPLACE
AGGREGATED OUTPUT :

RUN DATA        :
>COMMENTS
>24 031

EXPRESS HC AS VOC :
EXPAND EVAPORATIVE :
EXPAND EXHAUST     :

NO REFUELING       :
REBUILD EFFECTS    : 0.90
WE DA TRI LEN DI   : e:\aqprog\mobile62\06mdcom\Ext_Data\Trip_Len\WeekTLD2.WDT
94+ LDG IMP        : e:\aqprog\mobile62\06mdcom\Ext_Data\LEV\NLEVNE.D

FUEL PROGRAM       : 4
300.0 299.0 279.0 259.0 121.0 92.0 33.0 33.0
30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 303.0 303.0 87.0 87.0
80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

* MOBILE6 default winter oxygenated fuel.
OXYGENATED FUELS : 0.7000 0.3000 0.015 0.035 1

* Registration Distribution Source File - EXT_DATA\RDT\R05_MONT.RDT
REG DIST          : e:\aqprog\mobile62\06mdcom\Ext_Data\RDT\R05_MONT.RDT

* Anti-Tampering Program Source File - C:\MWC0G\IM_ATP\MD_ATP_02_MP.ATP
ANTI-TAMP PROG    :
** Applicable for counties: Montgomery and Prince George's
89 77 50 22222 22222111 1 12 096. 12211112

* Inspection and Maintenance (I/M) Source File - C:\MWC0G\IM_ATP\MD_IM_2010_MP.IM
>IM Program. Idle, IM240, and OBD.
>Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

*Idle older LDGV, LDGT
I/M PROGRAM      : 1 1984 2050 2 T/O Idle
I/M MODEL YEARS  : 1 1977 1983
I/M VEHICLES     : 1 22222 11111111 1
I/M STRINGENCY   : 1 20.0
I/M COMPLIANCE   : 1 96.0
I/M WAIVER RATES : 1 13.8 13.8
I/M GRACE PERIOD : 1 2

*Idle HDGT
I/M PROGRAM      : 2 1984 2050 2 T/O Idle
I/M MODEL YEARS  : 2 1977 2050
I/M VEHICLES     : 2 11111 22222111 1
I/M STRINGENCY   : 2 20.0
I/M COMPLIANCE   : 2 96.0
I/M WAIVER RATES : 2 13.8 13.8
I/M GRACE PERIOD : 2 2

*IM240
I/M PROGRAM      : 3 1984 2050 2 T/O IM240
I/M MODEL YEARS  : 3 1984 1995
I/M VEHICLES     : 3 22222 11111111 1
I/M STRINGENCY   : 3 20.0
I/M COMPLIANCE   : 3 96.0
I/M WAIVER RATES : 3 13.8 13.8
I/M CUTPOINTS    : 3 e:\aqprog\mobile62\06mdcom\ext_data\IM_ATP\MD.C10
I/M GRACE PERIOD : 3 2

*OBD
I/M PROGRAM      : 4 1984 2050 2 T/O OBD I/M
I/M MODEL YEARS  : 4 1996 2050
I/M VEHICLES     : 4 22222 11111111 1
I/M STRINGENCY   : 4 20.0
I/M COMPLIANCE   : 4 96.0
I/M WAIVER RATES : 4 5.4 5.4
I/M GRACE PERIOD : 4 2

*OBD Evap (Actual Start Year: July 2002)
I/M PROGRAM      : 5 2002 2050 2 T/O EVAP OBD
I/M MODEL YEARS  : 5 1996 2050
I/M VEHICLES     : 5 22222 11111111 1
I/M COMPLIANCE   : 5 96.0
I/M WAIVER RATES : 5 5.4 5.4
I/M GRACE PERIOD : 5 2

* Diesel Sales Fractions Source File - C:\MWC0G\EXT_DATA\DSF\D10_MONT
DIESEL FRACTIONS :
0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0036 0.0034 0.0043 0.0025
0.0022 0.0033 0.0022 0.0013 0.0020 0.0019 0.0004 0.0013 0.0023 0.0055
0.0010 0.0007 0.0004 0.0273 0.0153
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0008
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0028 0.0000
0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0010 0.0054
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001 0.0000 0.0000
0.0000 0.0004 0.0012 0.0004 0.0028 0.0079 0.0025 0.0023 0.0005 0.0034
0.0050 0.0068 0.0109 0.0089 0.0169
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0009 0.0000 0.0000 0.0000

```



2015mont. inp

0.0007	0.0005	0.0004	0.0065	0.0146	0.0155	0.0172	0.0059	0.0102	0.0183
0.0288	0.0116	0.0047	0.0409	0.0471					
0.2928	0.2928	0.2928	0.2928	0.2928	0.2928	0.2976	0.2356	0.2420	0.2112
0.2042	0.2699	0.1572	0.3314	0.3080	0.2452	0.2608	0.3049	0.1870	0.2342
0.2041	0.1640	0.1822	0.2488	0.2290					
0.6980	0.6980	0.6980	0.6980	0.6980	0.6980	0.5259	0.5592	0.5244	0.5352
0.5490	0.6704	0.3799	0.4052	0.5667	0.4346	0.4041	0.5274	0.4444	0.4184
0.4094	0.3949	0.3810	0.3972	0.4031					
0.8471	0.8471	0.8471	0.8471	0.8471	0.8471	0.7544	0.6182	0.5973	0.5135
0.6372	0.5885	0.4375	0.5714	0.5261	0.6081	0.3929	0.6087	0.2828	0.3258
0.3876	0.3672	0.3452	0.0147	0.0000					
0.9574	0.9574	0.9574	0.9574	0.9574	0.9574	0.9273	0.9192	0.8563	0.9392
0.8368	0.7162	0.6230	0.2394	0.4878	0.3611	0.5818	0.8529	0.7308	0.6250
0.6667	0.7692	0.3571	0.6190	0.2857					
0.9614	0.9614	0.9614	0.9614	0.9614	0.9614	0.8207	0.8262	0.8649	0.9118
0.8547	0.7971	0.8663	0.9486	0.9623	0.9677	0.9380	0.9379	0.6271	0.7849
0.8396	0.5889	0.6129	0.6769	0.5333					
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9697	1.0000	1.0000	0.9933
0.9748	0.8961	0.9147	0.8521	0.9053	0.9774	0.9192	0.9667	0.9369	0.9470
0.9271	0.8625	0.9161	0.8403	0.7412					
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9975
0.9978	1.0000	1.0000	1.0000	1.0000	0.9968	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000	0.9759				
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

MIN/MAX TEMPERATURE: 33.00 53.00  
FUEL RVP : 12.90

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 1.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 1.00 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 2.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 2.00 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 3.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 3.00 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 4.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 4.00 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 5.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 5.00 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 6.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial  
CALENDAR YEAR : 2015

```

EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 6.00 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 7.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 7.00 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 8.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 8.00 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 9.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 9.00 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 10.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 10.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 11.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 11.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 12.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 12.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 13.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 13.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :

```

0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 14.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 14.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 15.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 15.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 16.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 16.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 17.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 17.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 18.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 18.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 19.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 19.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 20.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 20.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 21.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1

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ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 21.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 22.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 22.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 23.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 23.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 24.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 24.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 25.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 25.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 26.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 26.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 27.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 27.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 28.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 28.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

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SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial

2015mont.inp

SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 37.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 37.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 38.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 38.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 39.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 39.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 40.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 40.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 41.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 41.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 42.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 42.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 43.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 43.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 44.0 Month: 01 1

2015mont.inp

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>FV FILE: .FV      OPMODE: Stable      FACI LIT Y: Arterial      SCENARIO: 44      RoadType: Arterial
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 44.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MI X\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 45.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LIT Y: Arterial      SCENARIO: 45      RoadType: Arterial
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 45.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MI X\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 46.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LIT Y: Arterial      SCENARIO: 46      RoadType: Arterial
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 46.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MI X\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 47.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LIT Y: Arterial      SCENARIO: 47      RoadType: Arterial
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 47.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MI X\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 48.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LIT Y: Arterial      SCENARIO: 48      RoadType: Arterial
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 48.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MI X\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 49.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LIT Y: Arterial      SCENARIO: 49      RoadType: Arterial
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 49.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MI X\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 50.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LIT Y: Arterial      SCENARIO: 50      RoadType: Arterial
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 50.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MI X\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 51.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LIT Y: Arterial      SCENARIO: 51      RoadType: Arterial
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 51.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

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2015mont.inp

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* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 52.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 52.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 53.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 53.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 54.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 54.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 55.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 55.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 56.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 56.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 57.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 57.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 58.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 58.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 59.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial
CALENDAR YEAR : 2015

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EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 59.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 60.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 60.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 61.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 61.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 62.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 62.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 63.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 63.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 64.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 64.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 65.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 65.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 1.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 1.00 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :

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0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1

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ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 9.00 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 10.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 10.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 11.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 11.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 12.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 12.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 13.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 13.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 14.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 14.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 15.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 15.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 16.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 16.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

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SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
 VMT FRACTIONS :  
 0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
 0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Non-Ramp

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SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO. SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\V10\_MONT. VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 25.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACI LITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 25.0 Non-Ramp  
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO. SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\V10\_MONT. VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 26.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACI LITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 26.0 Non-Ramp  
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO. SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\V10\_MONT. VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 27.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACI LITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 27.0 Non-Ramp  
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO. SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\V10\_MONT. VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 28.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACI LITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 28.0 Non-Ramp  
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO. SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\V10\_MONT. VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 29.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACI LITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 29.0 Non-Ramp  
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO. SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\V10\_MONT. VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 30.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACI LITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 30.0 Non-Ramp  
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO. SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\V10\_MONT. VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 31.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACI LITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 31.0 Non-Ramp  
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO. SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_M1X\WINTER\V10\_MONT. VM

VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 32.0 Month: 01 1

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>FV FILE: .FV      OPMODE: Stable      FACILITY: Non-Ramp      SCENARIO: 97      RoadType: Non-Ramp
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 32.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 33.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACILITY: Non-Ramp      SCENARIO: 98      RoadType: Non-Ramp
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 33.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 34.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACILITY: Non-Ramp      SCENARIO: 99      RoadType: Non-Ramp
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 34.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 35.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACILITY: Non-Ramp      SCENARIO: 100     RoadType: Non-Ramp
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 35.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 36.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACILITY: Non-Ramp      SCENARIO: 101     RoadType: Non-Ramp
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 36.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 37.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACILITY: Non-Ramp      SCENARIO: 102     RoadType: Non-Ramp
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 37.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 38.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACILITY: Non-Ramp      SCENARIO: 103     RoadType: Non-Ramp
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 38.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS      :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 39.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACILITY: Non-Ramp      SCENARIO: 104     RoadType: Non-Ramp
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 39.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

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* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 40.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 40.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 41.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 41.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 42.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 42.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 43.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 43.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 44.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 44.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 45.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 45.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 46.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 46.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 47.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp
CALENDAR YEAR : 2015

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EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 47.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 48.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 48.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 49.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 49.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 50.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 50.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 51.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 51.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 52.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 52.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 53.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 53.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 54.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 54.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :

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0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 55.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 55.0 Non-Ramp  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 56.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 56.0 Non-Ramp  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 57.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 57.0 Non-Ramp  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 58.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 58.0 Non-Ramp  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 59.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 59.0 Non-Ramp  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 60.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 60.0 Non-Ramp  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 61.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 61.0 Non-Ramp  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_MONT.VM  
VMT FRACTIONS :  
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022  
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 62.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1

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ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 62.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 63.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 63.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 64.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 64.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 65.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 65.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 34.6 Month: 01 1
>FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
VMT BY FACILITY : e:\aqprog\mobile62\06mdcom\Ext_Data\Vmt_Fac\FV4.FV
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 12.9 Month: 01 1
>FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
VMT BY FACILITY : e:\aqprog\mobile62\06mdcom\Ext_Data\Vmt_Fac\FV3.FV
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKCOLD.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 12.9 Month: 01 1
>FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
VMT BY FACILITY : e:\aqprog\mobile62\06mdcom\Ext_Data\Vmt_Fac\FV3.FV
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKHOT.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V10_MONT.VM
VMT FRACTIONS :
0.3462 0.0878 0.3172 0.1085 0.0525 0.0278 0.0026 0.0022
0.0025 0.0072 0.0057 0.0069 0.0284 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 12.9 Month: 01 1
>FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
VMT BY FACILITY : e:\aqprog\mobile62\06mdcom\Ext_Data\Vmt_Fac\FV3.FV
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

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SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM  
 VMT FRACTIONS :  
 0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
 0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM  
 VMT FRACTIONS :  
 0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
 0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM  
 VMT FRACTIONS :  
 0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
 0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM  
 VMT FRACTIONS :  
 0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
 0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM  
 VMT FRACTIONS :  
 0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
 0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM  
 VMT FRACTIONS :  
 0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
 0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM  
 VMT FRACTIONS :  
 0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
 0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Arterial

2015mont.inp

SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM

VMT FRACTIONS :  
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 9.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 9.00 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM

VMT FRACTIONS :  
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 10.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 10.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM

VMT FRACTIONS :  
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 11.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 11.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM

VMT FRACTIONS :  
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 12.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 12.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM

VMT FRACTIONS :  
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 13.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 13.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM

VMT FRACTIONS :  
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 14.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 14.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM

VMT FRACTIONS :  
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 15.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 15.0 Arterial  
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_MONT.VM

VMT FRACTIONS :  
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005  
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 16.0 Month: 01 1

2015mont.inp

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>FV FILE: .FV      OPMODE: Stable      FACI LITY: Arterial      SCENARIO: 150      RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 16.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 17.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LITY: Arterial      SCENARIO: 151      RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 17.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 18.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LITY: Arterial      SCENARIO: 152      RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 18.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 19.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LITY: Arterial      SCENARIO: 153      RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 19.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 20.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LITY: Arterial      SCENARIO: 154      RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 20.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 21.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LITY: Arterial      SCENARIO: 155      RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 21.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 22.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LITY: Arterial      SCENARIO: 156      RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 22.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 23.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable      FACI LITY: Arterial      SCENARIO: 157      RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 23.0 Arterial
SOAK DI STRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

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*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 24.0 Month: 01 1
>FV FILE:          : FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 24.0 Arterial
SOAK DISTRIBUTION  : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 25.0 Month: 01 1
>FV FILE:          : FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 25.0 Arterial
SOAK DISTRIBUTION  : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 26.0 Month: 01 1
>FV FILE:          : FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 26.0 Arterial
SOAK DISTRIBUTION  : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 27.0 Month: 01 1
>FV FILE:          : FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 27.0 Arterial
SOAK DISTRIBUTION  : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 28.0 Month: 01 1
>FV FILE:          : FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 28.0 Arterial
SOAK DISTRIBUTION  : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 29.0 Month: 01 1
>FV FILE:          : FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 29.0 Arterial
SOAK DISTRIBUTION  : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 30.0 Month: 01 1
>FV FILE:          : FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art_Loc
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 30.0 Arterial
SOAK DISTRIBUTION  : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*      VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\L10_MONT.VM
VMT FRACTIONS      :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD    : St & Cnty: 2403 mont1 MY: 2015 Speed: 31.0 Month: 01 1
>FV FILE:          : FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art_Loc
CALENDAR YEAR      : 2015

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EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 31.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 32.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 32.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 33.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 33.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 34.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 34.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 35.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 35.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 36.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 36.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 37.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 37.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 38.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 38.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :

```

```

                                2015mont.inp
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 39.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 39.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 40.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 40.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 41.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 41.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 42.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 42.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 43.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 43.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 44.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 44.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 2403 mont1 MY: 2015 Speed: 45.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art_Loc
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 45.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L10_MONT.VM
VMT FRACTIONS :
0.3708 0.0941 0.3397 0.1162 0.0562 0.0061 0.0006 0.0005
0.0005 0.0016 0.0012 0.0015 0.0062 0.0000 0.0000 0.0048

END OF RUN :

```



```

*****2015MONT. OUT*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 2015MONT.INP (file 1, run 1). *
*****
*COMMENTS
*24 031
M603 Comment:
    User has disabled the calculation of REFUELING emissions.

* Reading non-default WEEKDAY RUNNING LOSS HOURLY TRIP LENGTH FRACTIONS
* from the following external data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\TRIP_LEN\WEEKTLD2.WDT

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\LEV\NLEVNE.D
M616 Comment:
    User has supplied post-1999 sulfur levels.

* Reading Registration Distributions from the following external
* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\RDT\R05_MONT.RDT
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
*IM Program. Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\IM_ATP\MD.C10
* CY 10
* CUTPOINTS 75% TO FINAL for 1994 and 1995. IMPLEMENTED May 2005.
M614 Comment:
    User supplied diesel sale fractions.

* #####
* St & Cnty: 2403 mont1 MY: 2015 Speed: 1.00 Month: 01 1
* File 1, Run 1, Scenario 1.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial
M 52 Warning:
    1.00 speed increased to 2.5 mph minimum
M583 Warning:
    The user supplied arterial average speed of 2.5
    will be used for all hours of the day. 100% of VMT
    has been assigned to the arterial/collector roadway
    type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.
*** I/M credits for Tech1&2 vehicles were read from the following external
data file: TECH12.D
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M 48 Warning:
    there are no sales for vehicle class HDGB
HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\LEV\NLEVNE.D
    Calendar Year: 2015
    Month: Jan.
    Altitude: Low
    Minimum Temperature: 33.0 (F)
    Maximum Temperature: 53.0 (F)
    Absolute Humidity: 75. grains/lb
    Nominal Fuel RVP: 12.9 psi
    Weathered RVP: 12.9 psi
    Fuel Sulfur Content: 30. ppm

    Exhaust I/M Program: Yes
    Evap I/M Program: Yes
    ATP Program: Yes
    Reformulated Gas: No

    Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300
    Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035
    Alcohol Blend RVP Waiver: No

    Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT HDDV MC All Veh
    GVWR: <6000 >6000 (All)
    VMT Distribution: 0.3444 0.4047 0.1609 0.0207 0.0018 0.0003 0.0626 0.0045 1.0000

    Composite Emission Factors (g/mi):
    Composite CO : 13.73 12.71 13.69 12.99 34.21 1.727 1.510 2.728 90.92 13.368
    -----
Exhaust emissions (g/mi):

```

2015MONT. OUT

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	13.73	12.71	13.69	12.99	1.727	1.510		90.925	
CO Total Exhaust:	13.73	12.71	13.69	12.99	34.21	1.727	1.510	2.728	90.92 13.368

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 2.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial  
 M 52 Warning: 2.00 speed increased to 2.5 mph minimum  
 M583 Warning:  
 The user supplied arterial average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	13.73	12.71	13.69	12.99	34.21	1.727	1.510	2.728	90.92	13.368
----------------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	13.73	12.71	13.69	12.99		1.727	1.510		90.925	
CO Total Exhaust:	13.73	12.71	13.69	12.99	34.21	1.727	1.510	2.728	90.92	13.368

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 3.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

## 2015MONT. OUT

-----  
 Composite Emission Factors (g/mi):  
 Composite CO : 11.67 10.87 11.71 11.11 31.92 1.622 1.418 2.561 78.08 11.480  
 -----

Exhaust emissions (g/mi):

CO Start: 0.00 0.00 0.00 0.00 0.000 0.000 0.000  
 CO Running: 11.67 10.87 11.71 11.11 1.622 1.418 78.076  
 CO Total Exhaust: 11.67 10.87 11.71 11.11 31.92 1.622 1.418 2.561 78.08 11.480  
 -----

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 4.00 Month: 01 1

\* File 1, Run 1, Scenario 4.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

-----  
 Composite Emission Factors (g/mi):  
 Composite CO : 9.10 8.57 9.23 8.76 29.05 1.489 1.302 2.352 62.02 9.120  
 -----

Exhaust emissions (g/mi):

CO Start: 0.00 0.00 0.00 0.00 0.000 0.000 0.000  
 CO Running: 9.10 8.57 9.23 8.76 1.489 1.302 62.016  
 CO Total Exhaust: 9.10 8.57 9.23 8.76 29.05 1.489 1.302 2.352 62.02 9.120  
 -----

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 5.00 Month: 01 1

\* File 1, Run 1, Scenario 5.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	2015MONT. OUT HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.55	7.19	7.74	7.35	27.33	1.410	1.233	2.227	52.38	7.704
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.55	7.19	7.74	7.35		1.410	1.233		52.379	
CO Total Exhaust:	7.55	7.19	7.74	7.35	27.33	1.410	1.233	2.227	52.38	7.704

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 6.00 Month: 01 1  
 \* File 1, Run 1, Scenario 6.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.60	6.32	6.80	6.46	24.28	1.264	1.105	1.996	43.31	6.751
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.60	6.32	6.80	6.46		1.264	1.105		43.308	
CO Total Exhaust:	6.60	6.32	6.80	6.46	24.28	1.264	1.105	1.996	43.31	6.751

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 7.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

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Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
    Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.92	5.69	6.13	5.82	22.10	1.160	1.014	1.832	36.83	6.070

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.92	5.69	6.13	5.82		1.160	1.014		36.828	
CO Total Exhaust:	5.92	5.69	6.13	5.82	22.10	1.160	1.014	1.832	36.83	6.070

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 8.00 Month: 01 1  
 \* File 1, Run 1, Scenario 8.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial  
 M583 Warning:  
   The user supplied arterial average speed of 8.0  
   will be used for all hours of the day. 100% of VMT  
   has been assigned to the arterial/collector roadway  
   type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
   User supplied VMT mix.  
 M 48 Warning:  
   there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
   there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
    Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.41	5.22	5.62	5.34	20.47	1.082	0.946	1.708	31.97	5.560

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.41	5.22	5.62	5.34		1.082	0.946		31.968	
CO Total Exhaust:	5.41	5.22	5.62	5.34	20.47	1.082	0.946	1.708	31.97	5.560

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 9.00 Month: 01 1  
 \* File 1, Run 1, Scenario 9.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial  
 M583 Warning:  
   The user supplied arterial average speed of 9.0  
   will be used for all hours of the day. 100% of VMT  
   has been assigned to the arterial/collector roadway  
   type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
   User supplied VMT mix.  
 M 48 Warning:  
   there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
   there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes

Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.01	4.86	5.23	4.96	19.20	1.021	0.893	1.612	28.19	5.163
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.01	4.86	5.23	4.96		1.021	0.893		28.188	
CO Total Exhaust:	5.01	4.86	5.23	4.96	19.20	1.021	0.893	1.612	28.19	5.163

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 10.0 Month: 01 1  
 \* File 1, Run 1, Scenario 10.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.70	4.57	4.91	4.67	18.18	0.972	0.850	1.535	25.16	4.846
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.70	4.57	4.91	4.67		0.972	0.850		25.164	
CO Total Exhaust:	4.70	4.57	4.91	4.67	18.18	0.972	0.850	1.535	25.16	4.846

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 11.0 Month: 01 1  
 \* File 1, Run 1, Scenario 11.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 11.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.47	4.35	4.68	4.44	16.71	0.899	0.786	1.419	22.76	4.590
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.47	4.35	4.68	4.44		0.899	0.786		22.759	
CO Total Exhaust:	4.47	4.35	4.68	4.44	16.71	0.899	0.786	1.419	22.76	4.590

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 12.0 Month: 01 1  
\* File 1, Run 1, Scenario 12.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial  
M583 Warning:

The user supplied arterial average speed of 12.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.28	4.16	4.48	4.25	15.48	0.837	0.732	1.322	20.75	4.377
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.28	4.16	4.48	4.25		0.837	0.732		20.754	
CO Total Exhaust:	4.28	4.16	4.48	4.25	15.48	0.837	0.732	1.322	20.75	4.377

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 13.0 Month: 01 1  
\* File 1, Run 1, Scenario 13.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial  
M583 Warning:

The user supplied arterial average speed of 13.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.11	4.01	4.31	4.09	14.44	0.785	0.686	1.239	19.06	4.196
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.11	4.01	4.31	4.09		0.785	0.686		19.058	
CO Total Exhaust:	4.11	4.01	4.31	4.09	14.44	0.785	0.686	1.239	19.06	4.196

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 14.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.97	3.87	4.17	3.96	13.55	0.740	0.647	1.169	17.60	4.042
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.97	3.87	4.17	3.96		0.740	0.647		17.604	
CO Total Exhaust:	3.97	3.87	4.17	3.96	13.55	0.740	0.647	1.169	17.60	4.042

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 15.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB



LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.85	3.76	4.04	3.84	12.78	0.702	0.614	1.108	16.34	3.908
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.85	3.76	4.04	3.84		0.702	0.614		16.344	
CO Total Exhaust:	3.85	3.76	4.04	3.84	12.78	0.702	0.614	1.108	16.34	3.908

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 16.0 Month: 01 1

\* File 1, Run 1, Scenario 16.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.75	3.66	3.93	3.73	11.96	0.659	0.576	1.040	15.33	3.787
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.75	3.66	3.93	3.73		0.659	0.576		15.329	
CO Total Exhaust:	3.75	3.66	3.93	3.73	11.96	0.659	0.576	1.040	15.33	3.787

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 17.0 Month: 01 1

\* File 1, Run 1, Scenario 17.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.66	3.57	3.84	3.64	11.23	0.621	0.543	0.980	14.43	3.681
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.66	3.57	3.84	3.64		0.621	0.543		14.434	
CO Total Exhaust:	3.66	3.57	3.84	3.64	11.23	0.621	0.543	0.980	14.43	3.681

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 18.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.57	3.49	3.75	3.56	10.59	0.587	0.513	0.927	13.64	3.586
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.57	3.49	3.75	3.56		0.587	0.513		13.637	
CO Total Exhaust:	3.57	3.49	3.75	3.56	10.59	0.587	0.513	0.927	13.64	3.586

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 19.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

2015MONT. OUT  
\* data file: E:\AQPROG\MOBI LE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBI LE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.42	3.68	3.49	10.01	0.557	0.487	0.880	12.93	3.501
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.50	3.42	3.68	3.49		0.557	0.487		12.925	
CO Total Exhaust:	3.50	3.42	3.68	3.49	10.01	0.557	0.487	0.880	12.93	3.501

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 20.0 Month: 01 1  
\* File 1, Run 1, Scenario 20.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 20.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBI LE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBI LE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.43	3.35	3.61	3.42	9.49	0.530	0.463	0.837	12.28	3.425
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.43	3.35	3.61	3.42		0.530	0.463		12.284	
CO Total Exhaust:	3.43	3.35	3.61	3.42	9.49	0.530	0.463	0.837	12.28	3.425

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 21.0 Month: 01 1  
\* File 1, Run 1, Scenario 21.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 21.0  
will be used for all hours of the day. 100% of VMT

has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.38	3.30	3.55	3.37	9.01	0.503	0.440	0.795	11.69	3.359
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.38	3.30	3.55	3.37		0.503	0.440		11.691	
CO Total Exhaust:	3.38	3.30	3.55	3.37	9.01	0.503	0.440	0.795	11.69	3.359

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 22.0 Month: 01 1  
\* File 1, Run 1, Scenario 22.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 22.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.33	3.25	3.50	3.32	8.56	0.479	0.419	0.757	11.15	3.299
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.33	3.25	3.50	3.32		0.479	0.419		11.153	
CO Total Exhaust:	3.33	3.25	3.50	3.32	8.56	0.479	0.419	0.757	11.15	3.299

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 23.0 Month: 01 1  
\* File 1, Run 1, Scenario 23.  
\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial 2015MONT.OUT  
SCENARIO: 23 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.28	3.20	3.45	3.27	8.16	0.457	0.400	0.722	10.66	3.245
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.28	3.20	3.45	3.27		0.457	0.400		10.661	
CO Total Exhaust:	3.28	3.20	3.45	3.27	8.16	0.457	0.400	0.722	10.66	3.245

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 24.0 Month: 01 1  
\* File 1, Run 1, Scenario 24.

\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 24.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.24	3.16	3.41	3.23	7.79	0.437	0.382	0.691	10.21	3.194
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.24	3.16	3.41	3.23		0.437	0.382		10.210	
CO Total Exhaust:	3.24	3.16	3.41	3.23	7.79	0.437	0.382	0.691	10.21	3.194

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 25.0 Month: 01 1  
 \* File 1, Run 1, Scenario 25.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.12	3.36	3.19	7.45	0.419	0.366	0.661	9.79	3.148
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.20	3.12	3.36	3.19		0.419	0.366		9.795	
CO Total Exhaust:	3.20	3.12	3.36	3.19	7.45	0.419	0.366	0.661	9.79	3.148

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 26.0 Month: 01 1  
 \* File 1, Run 1, Scenario 26.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.18	3.11	3.35	3.18	7.16	0.402	0.352	0.635	9.38	3.124
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	

					2015MONT. OUT						
CO Running:	3.18	3.11	3.35	3.18		0.402	0.352		9.379		
CO Total Exhaust:	3.18	3.11	3.35	3.18	7.16	0.402	0.352	0.635	9.38	3.124	

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 27.0 Month: 01 1

\* File 1, Run 1, Scenario 27.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 27.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.17	3.10	3.33	3.16	6.88	0.387	0.338	0.611	8.99	3.102
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.17	3.10	3.33	3.16		0.387	0.338		8.995	
CO Total Exhaust:	3.17	3.10	3.33	3.16	6.88	0.387	0.338	0.611	8.99	3.102

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 28.0 Month: 01 1

\* File 1, Run 1, Scenario 28.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 28.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.15	3.08	3.32	3.15	6.63	0.372	0.326	0.588	8.64	3.081
----------------	------	------	------	------	------	-------	-------	-------	------	-------

## 2015MONT. OUT

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	3.15	3.08	3.32	3.15		0.372	0.326		8.637	
CO Total Exhaust:	3.15	3.08	3.32	3.15	6.63	0.372	0.326	0.588	8.64	3.081

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 29.0 Month: 01 1

\* File 1, Run 1, Scenario 29.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 29.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite CO :	3.14	3.07	3.30	3.14	6.39	0.359	0.314	0.567	8.30	3.061
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	3.14	3.07	3.30	3.14		0.359	0.314		8.305	
CO Total Exhaust:	3.14	3.07	3.30	3.14	6.39	0.359	0.314	0.567	8.30	3.061

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 30.0 Month: 01 1

\* File 1, Run 1, Scenario 30.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 30.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						



					2015MONT. OUT					
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.13	3.06	3.29	3.12	6.18	0.346	0.303	0.547	7.99	3.043
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.13	3.06	3.29	3.12		0.346	0.303		7.994	
CO Total Exhaust:	3.13	3.06	3.29	3.12	6.18	0.346	0.303	0.547	7.99	3.043
-----										

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 31.0 Month: 01 1

\* File 1, Run 1, Scenario 31.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 31.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Alt Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.14	3.07	3.30	3.14	6.00	0.336	0.294	0.530	7.69	3.047
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.14	3.07	3.30	3.14		0.336	0.294		7.693	
CO Total Exhaust:	3.14	3.07	3.30	3.14	6.00	0.336	0.294	0.530	7.69	3.047
-----										

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 32.0 Month: 01 1

\* File 1, Run 1, Scenario 32.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 32.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

## 2015MONT. OUT

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VTM Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.14	3.08	3.31	3.15	5.84	0.326	0.285	0.515	7.41	3.051
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.14	3.08	3.31	3.15		0.326	0.285		7.411	
CO Total Exhaust:	3.14	3.08	3.31	3.15	5.84	0.326	0.285	0.515	7.41	3.051

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 33.0 Month: 01 1

\* File 1, Run 1, Scenario 33.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 33.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VTM Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.09	3.32	3.16	5.69	0.317	0.277	0.500	7.15	3.054
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.15	3.09	3.32	3.16		0.317	0.277		7.145	
CO Total Exhaust:	3.15	3.09	3.32	3.16	5.69	0.317	0.277	0.500	7.15	3.054

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 34.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 34.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

## 2015MONT. OUT

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.16	3.10	3.33	3.17	5.54	0.308	0.269	0.487	6.90	3.057
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.16	3.10	3.33	3.17		0.308	0.269		6.895	
CO Total Exhaust:	3.16	3.10	3.33	3.17	5.54	0.308	0.269	0.487	6.90	3.057

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 35.0 Month: 01 1  
 \* File 1, Run 1, Scenario 35.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.17	3.11	3.34	3.18	5.41	0.300	0.262	0.474	6.66	3.060
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.17	3.11	3.34	3.18		0.300	0.262		6.660	
CO Total Exhaust:	3.17	3.11	3.34	3.18	5.41	0.300	0.262	0.474	6.66	3.060

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 36.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.23	3.17	3.41	3.24	5.32	0.294	0.257	0.464	6.45	3.115
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.23	3.17	3.41	3.24		0.294	0.257		6.454	
CO Total Exhaust:	3.23	3.17	3.41	3.24	5.32	0.294	0.257	0.464	6.45	3.115

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 37.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.29	3.23	3.47	3.30	5.23	0.288	0.252	0.454	6.26	3.166
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.29	3.23	3.47	3.30		0.288	0.252		6.259	
CO Total Exhaust:	3.29	3.23	3.47	3.30	5.23	0.288	0.252	0.454	6.26	3.166

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 38.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.35	3.29	3.53	3.36	5.15	0.282	0.247	0.445	6.07	3.214
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.35	3.29	3.53	3.36		0.282	0.247		6.074	
CO Total Exhaust:	3.35	3.29	3.53	3.36	5.15	0.282	0.247	0.445	6.07	3.214

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 39.0 Month: 01 1

\* File 1, Run 1, Scenario 39.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 39.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.40	3.34	3.59	3.41	5.08	0.277	0.242	0.437	5.90	3.260
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.40	3.34	3.59	3.41		0.277	0.242		5.899	
CO Total Exhaust:	3.40	3.34	3.59	3.41	5.08	0.277	0.242	0.437	5.90	3.260

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 40.0 Month: 01 1

\* File 1, Run 1, Scenario 40.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 40.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.

Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.45	3.39	3.64	3.46	5.01	0.272	0.238	0.429	5.73	3.304
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.45	3.39	3.64	3.46		0.272	0.238		5.733	
CO Total Exhaust:	3.45	3.39	3.64	3.46	5.01	0.272	0.238	0.429	5.73	3.304

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 41.0 Month: 01 1

\* File 1, Run 1, Scenario 41.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.51	3.46	3.70	3.53	4.98	0.269	0.235	0.424	5.60	3.359
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.51	3.46	3.70	3.53		0.269	0.235		5.604	
CO Total Exhaust:	3.51	3.46	3.70	3.53	4.98	0.269	0.235	0.424	5.60	3.359

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 42.0 Month: 01 1

\* File 1, Run 1, Scenario 42.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.57	3.51	3.77	3.59	4.96	0.266	0.232	0.419	5.48	3.412
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.57	3.51	3.77	3.59		0.266	0.232		5.482	
CO Total Exhaust:	3.57	3.51	3.77	3.59	4.96	0.266	0.232	0.419	5.48	3.412

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 43.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.62	3.57	3.82	3.64	4.94	0.263	0.230	0.415	5.37	3.462
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.62	3.57	3.82	3.64		0.263	0.230		5.365	
CO Total Exhaust:	3.62	3.57	3.82	3.64	4.94	0.263	0.230	0.415	5.37	3.462

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 44.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.68	3.63	3.88	3.70	4.91	0.260	0.227	0.411	5.25	3.510
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.68	3.63	3.88	3.70		0.260	0.227		5.254	
CO Total Exhaust:	3.68	3.63	3.88	3.70	4.91	0.260	0.227	0.411	5.25	3.510

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 45.0 Month: 01 1  
\* File 1, Run 1, Scenario 45.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 45.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.73	3.68	3.93	3.75	4.89	0.258	0.225	0.407	5.15	3.556
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.73	3.68	3.93	3.75		0.258	0.225		5.148	
CO Total Exhaust:	3.73	3.68	3.93	3.75	4.89	0.258	0.225	0.407	5.15	3.556

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 46.0 Month: 01 1  
\* File 1, Run 1, Scenario 46.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 46.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.



\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.79	3.74	4.00	3.81	4.93	0.257	0.225	0.406	5.10	3.613
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.79	3.74	4.00	3.81		0.257	0.225		5.096	
CO Total Exhaust:	3.79	3.74	4.00	3.81	4.93	0.257	0.225	0.406	5.10	3.613

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 47.0 Month: 01 1  
 \* File 1, Run 1, Scenario 47.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 47.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.85	3.80	4.06	3.87	4.96	0.257	0.225	0.405	5.05	3.667
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.85	3.80	4.06	3.87		0.257	0.225		5.046	
CO Total Exhaust:	3.85	3.80	4.06	3.87	4.96	0.257	0.225	0.405	5.05	3.667

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 48.0 Month: 01 1  
 \* File 1, Run 1, Scenario 48.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 48.0

will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.90	3.85	4.12	3.93	5.00	0.256	0.224	0.405	5.00	3.719
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	3.85	4.12	3.93		0.256	0.224		4.998	
CO Total Exhaust:	3.90	3.85	4.12	3.93	5.00	0.256	0.224	0.405	5.00	3.719

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 49.0 Month: 01 1  
\* File 1, Run 1, Scenario 49.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 49.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.96	3.91	4.18	3.98	5.03	0.256	0.224	0.404	4.95	3.769
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.96	3.91	4.18	3.98		0.256	0.224		4.952	
CO Total Exhaust:	3.96	3.91	4.18	3.98	5.03	0.256	0.224	0.404	4.95	3.769

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 50.0 Month: 01 1  
\* File 1, Run 1, Scenario 50.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.01	3.96	4.23	4.04	5.06	0.256	0.224	0.404	4.91	3.817
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.01	3.96	4.23	4.04		0.256	0.224		4.908	
CO Total Exhaust:	4.01	3.96	4.23	4.04	5.06	0.256	0.224	0.404	4.91	3.817

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 51.0 Month: 01 1  
 \* File 1, Run 1, Scenario 51.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 51.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.07	4.02	4.29	4.10	5.16	0.258	0.225	0.407	4.91	3.875
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.07	4.02	4.29	4.10		0.258	0.225		4.908	
CO Total Exhaust:	4.07	4.02	4.29	4.10	5.16	0.258	0.225	0.407	4.91	3.875

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 52.0 Month: 01 1

\* File 1, Run 1, Scenario 52.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 52.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.13	4.08	4.35	4.16	5.25	0.260	0.227	0.410	4.91	3.931
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.13	4.08	4.35	4.16		0.260	0.227		4.908	
CO Total Exhaust:	4.13	4.08	4.35	4.16	5.25	0.260	0.227	0.410	4.91	3.931

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 53.0 Month: 01 1

\* File 1, Run 1, Scenario 53.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 53.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.18	4.14	4.41	4.22	5.34	0.262	0.229	0.413	4.91	3.984
Exhaust emissions (g/mi):										

2015MONT. OUT

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000		
CO Running:	4.18	4.14	4.41	4.22	0.262	0.229		4.908		
CO Total Exhaust:	4.18	4.14	4.41	4.22	5.34	0.262	0.229	0.413	4.91	3.984

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 54.0 Month: 01 1  
 \* File 1, Run 1, Scenario 54.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 54.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	4.23	4.19	4.47	4.27	5.43	0.264	0.231	0.416	4.91	4.036
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.23	4.19	4.47	4.27		0.264	0.231		4.908	
CO Total Exhaust:	4.23	4.19	4.47	4.27	5.43	0.264	0.231	0.416	4.91	4.036

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 55.0 Month: 01 1  
 \* File 1, Run 1, Scenario 55.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 55.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	4.29	4.25	4.52	4.32	2015MONT. OUT 5.52	0.265	0.232	0.419	4.91	4.086
----------------	------	------	------	------	-----------------------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.29	4.25	4.52	4.32		0.265	0.232		4.908	
CO Total Exhaust:	4.29	4.25	4.52	4.32	5.52	0.265	0.232	0.419	4.91	4.086

---

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 56.0 Month: 01 1  
 \* File 1, Run 1, Scenario 56.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 56.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	4.35	4.31	4.59	4.39	5.70	0.270	0.236	0.427	6.17	4.151

---

Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.35	4.31	4.59	4.39		0.270	0.236		6.175	
CO Total Exhaust:	4.35	4.31	4.59	4.39	5.70	0.270	0.236	0.427	6.17	4.151

---

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 57.0 Month: 01 1  
 \* File 1, Run 1, Scenario 57.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2015MONT. OUT										
VTM Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.40	4.36	4.65	4.45	5.87	0.275	0.241	0.434	7.40	4.215
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.40	4.36	4.65	4.45		0.275	0.241		7.397	
CO Total Exhaust:	4.40	4.36	4.65	4.45	5.87	0.275	0.241	0.434	7.40	4.215

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 58.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VTM Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.46	4.42	4.71	4.50	6.04	0.280	0.245	0.442	8.58	4.275
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.46	4.42	4.71	4.50		0.280	0.245		8.577	
CO Total Exhaust:	4.46	4.42	4.71	4.50	6.04	0.280	0.245	0.442	8.58	4.275

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 59.0 Month: 01 1  
 \* File 1, Run 1, Scenario 59.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 59.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

2015MONT. OUT  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.51	4.48	4.77	4.56	6.21	0.284	0.249	0.449	9.72	4.334
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.51	4.48	4.77	4.56		0.284	0.249		9.717	
CO Total Exhaust:	4.51	4.48	4.77	4.56	6.21	0.284	0.249	0.449	9.72	4.334

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 60.0 Month: 01 1  
 \* File 1, Run 1, Scenario 60.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 60.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.57	4.53	4.82	4.61	6.36	0.289	0.252	0.456	10.82	4.391
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.57	4.53	4.82	4.61		0.289	0.252		10.819	
CO Total Exhaust:	4.57	4.53	4.82	4.61	6.36	0.289	0.252	0.456	10.82	4.391

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 61.0 Month: 01 1  
 \* File 1, Run 1, Scenario 61.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 61.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes



Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.63	4.59	4.88	4.67	6.66	0.297	0.260	0.469	12.08	4.459
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.63	4.59	4.88	4.67		0.297	0.260		12.079	
CO Total Exhaust:	4.63	4.59	4.88	4.67	6.66	0.297	0.260	0.469	12.08	4.459

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 62.0 Month: 01 1  
 \* File 1, Run 1, Scenario 62.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 62.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.68	4.65	4.94	4.73	6.95	0.305	0.267	0.482	13.30	4.525
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.68	4.65	4.94	4.73		0.305	0.267		13.297	
CO Total Exhaust:	4.68	4.65	4.94	4.73	6.95	0.305	0.267	0.482	13.30	4.525

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 63.0 Month: 01 1  
 \* File 1, Run 1, Scenario 63.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 63.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.74	4.71	5.00	4.79	7.22	0.313	0.274	0.494	14.48	4.588
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.74	4.71	5.00	4.79		0.313	0.274		14.478	
CO Total Exhaust:	4.74	4.71	5.00	4.79	7.22	0.313	0.274	0.494	14.48	4.588

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 64.0 Month: 01 1  
 \* File 1, Run 1, Scenario 64.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 64.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.79	4.76	5.06	4.85	7.49	0.321	0.280	0.506	15.62	4.650
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.79	4.76	5.06	4.85		0.321	0.280		15.621	
CO Total Exhaust:	4.79	4.76	5.06	4.85	7.49	0.321	0.280	0.506	15.62	4.650

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 65.0 Month: 01 1  
 \* File 1, Run 1, Scenario 65.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 65.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	4.84	4.81	5.12	4.90	7.75	0.328	0.287	0.518	16.73	4.709
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	0.00	-----	0.000	0.000	-----	0.000	-----
CO Running:	4.84	4.81	5.12	4.90	-----	0.328	0.287	-----	16.729	-----
CO Total Exhaust:	4.84	4.81	5.12	4.90	7.75	0.328	0.287	0.518	16.73	4.709

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 1.00 Month: 01 1

\* File 1, Run 1, Scenario 66.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp

M 52 Warning: 1.00 speed increased to 2.5 mph minimum

M581 Warning:  
 The user supplied freeway average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	13.73	12.71	13.69	12.99	34.21	1.727	1.510	2.728	90.92	13.368
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	0.00	-----	0.000	0.000	-----	0.000	-----
CO Running:	13.73	12.71	13.69	12.99	-----	1.727	1.510	-----	90.925	-----
CO Total Exhaust:	13.73	12.71	13.69	12.99	34.21	1.727	1.510	2.728	90.92	13.368

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 2.00 Month: 01 1

\* File 1, Run 1, Scenario 67.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp

M 52 Warning: 2.00 speed increased to 2.5 mph minimum

M581 Warning:  
 The user supplied freeway average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	13.73	12.71	13.69	12.99	34.21	1.727	1.510	2.728	90.92	13.368
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	13.73	12.71	13.69	12.99		1.727	1.510		90.925	
CO Total Exhaust:	13.73	12.71	13.69	12.99	34.21	1.727	1.510	2.728	90.92	13.368

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 68.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	11.67	10.87	11.71	11.11	31.92	1.622	1.418	2.561	78.08	11.480
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	11.67	10.87	11.71	11.11		1.622	1.418		78.076	
CO Total Exhaust:	11.67	10.87	11.71	11.11	31.92	1.622	1.418	2.561	78.08	11.480

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 4.00 Month: 01 1  
 \* File 1, Run 1, Scenario 69.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	9.10	8.57	9.23	8.76	29.05	1.489	1.302	2.352	62.02	9.120
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	9.10	8.57	9.23	8.76		1.489	1.302		62.016	
CO Total Exhaust:	9.10	8.57	9.23	8.76	29.05	1.489	1.302	2.352	62.02	9.120

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 5.00 Month: 01 1  
 \* File 1, Run 1, Scenario 70.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.55	7.19	7.74	7.35	27.33	1.410	1.233	2.227	52.38	7.704
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.55	7.19	7.74	7.35		1.410	1.233		52.379	
CO Total Exhaust:	7.55	7.19	7.74	7.35	27.33	1.410	1.233	2.227	52.38	7.704

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 6.00 Month: 01 1  
 \* File 1, Run 1, Scenario 71.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.46	6.18	6.66	6.32	24.28	1.264	1.105	1.996	43.31	6.626
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.46	6.18	6.66	6.32		1.264	1.105		43.308	
CO Total Exhaust:	6.46	6.18	6.66	6.32	24.28	1.264	1.105	1.996	43.31	6.626

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 72.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.68	5.46	5.88	5.58	22.10	1.160	1.014	1.832	36.83	5.857
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.68	5.46	5.88	5.58		1.160	1.014		36.828	
CO Total Exhaust:	5.68	5.46	5.88	5.58	22.10	1.160	1.014	1.832	36.83	5.857

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 8.00 Month: 01 1  
 \* File 1, Run 1, Scenario 73.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 8.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.10	4.92	5.30	5.03	20.47	1.082	0.946	1.708	31.97	5.280
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.10	4.92	5.30	5.03		1.082	0.946		31.968	
CO Total Exhaust:	5.10	4.92	5.30	5.03	20.47	1.082	0.946	1.708	31.97	5.280

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 9.00 Month: 01 1  
\* File 1, Run 1, Scenario 74.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 9.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.65	4.50	4.85	4.60	19.20	1.021	0.893	1.612	28.19	4.831
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.65	4.50	4.85	4.60		1.021	0.893		28.188	
CO Total Exhaust:	4.65	4.50	4.85	4.60	19.20	1.021	0.893	1.612	28.19	4.831

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 75.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 10.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.28	4.16	4.49	4.26	18.18	0.972	0.850	1.535	25.16	4.472
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.28	4.16	4.49	4.26		0.972	0.850		25.164	
CO Total Exhaust:	4.28	4.16	4.49	4.26	18.18	0.972	0.850	1.535	25.16	4.472

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 11.0 Month: 01 1

\* File 1, Run 1, Scenario 76.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 11.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.03	3.93	4.23	4.01	16.71	0.899	0.786	1.419	22.76	4.199
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.03	3.93	4.23	4.01		0.899	0.786		22.759	
CO Total Exhaust:	4.03	3.93	4.23	4.01	16.71	0.899	0.786	1.419	22.76	4.199



\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 77.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 12.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.83	3.73	4.02	3.81	15.48	0.837	0.732	1.322	20.75	3.972
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.83	3.73	4.02	3.81		0.837	0.732		20.754	
CO Total Exhaust:	3.83	3.73	4.02	3.81	15.48	0.837	0.732	1.322	20.75	3.972

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 78.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 13.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.65	3.56	3.84	3.64	14.44	0.785	0.686	1.239	19.06	3.780
Exhaust emissions (g/mi):										

## 2015MONT. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.65	3.56	3.84	3.64		0.785	0.686		19.058	
CO Total Exhaust:	3.65	3.56	3.84	3.64	14.44	0.785	0.686	1.239	19.06	3.780

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 14.0 Month: 01 1

\* File 1, Run 1, Scenario 79.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 14.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.41	3.69	3.49	13.55	0.740	0.647	1.169	17.60	3.615

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.50	3.41	3.69	3.49		0.740	0.647		17.604	
CO Total Exhaust:	3.50	3.41	3.69	3.49	13.55	0.740	0.647	1.169	17.60	3.615

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 15.0 Month: 01 1

\* File 1, Run 1, Scenario 80.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 15.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

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Composite Emission Factors (g/mi):										
Composite CO :	3.37	3.29	3.55	3.36	12.78	0.702	0.614	1.108	16.34	3.473

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.37	3.29	3.55	3.36		0.702	0.614		16.344	
CO Total Exhaust:	3.37	3.29	3.55	3.36	12.78	0.702	0.614	1.108	16.34	3.473

---

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 81.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	3.34	3.26	3.52	3.33	11.96	0.659	0.576	1.040	15.33	3.419

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.34	3.26	3.52	3.33		0.659	0.576		15.329	
CO Total Exhaust:	3.34	3.26	3.52	3.33	11.96	0.659	0.576	1.040	15.33	3.419

---

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 82.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
---------------	------	--------	--------	------	------	------	------	------	----	---------

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GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3444	0.4047	0.1609	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.31	3.23	3.49	3.31	11.23	0.621	0.543	0.980	14.43	3.371
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.31	3.23	3.49	3.31		0.621	0.543		14.434	
CO Total Exhaust:	3.31	3.23	3.49	3.31	11.23	0.621	0.543	0.980	14.43	3.371

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 83.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3444	0.4047	0.1609	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.29	3.21	3.46	3.28	10.59	0.587	0.513	0.927	13.64	3.329
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.29	3.21	3.46	3.28		0.587	0.513		13.637	
CO Total Exhaust:	3.29	3.21	3.46	3.28	10.59	0.587	0.513	0.927	13.64	3.329

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 84.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

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Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.27	3.19	3.44	3.26	10.01	0.557	0.487	0.880	12.93	3.291
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.27	3.19	3.44	3.26		0.557	0.487		12.925	
CO Total Exhaust:	3.27	3.19	3.44	3.26	10.01	0.557	0.487	0.880	12.93	3.291

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 85.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.25	3.17	3.42	3.24	9.49	0.530	0.463	0.837	12.28	3.257
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.25	3.17	3.42	3.24		0.530	0.463		12.284	
CO Total Exhaust:	3.25	3.17	3.42	3.24	9.49	0.530	0.463	0.837	12.28	3.257

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 21.0 Month: 01 1  
 \* File 1, Run 1, Scenario 86.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 21.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes

ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.23	3.15	3.40	3.22	9.01	0.503	0.440	0.795	11.69	3.226
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.23	3.15	3.40	3.22		0.503	0.440		11.691	
CO Total Exhaust:	3.23	3.15	3.40	3.22	9.01	0.503	0.440	0.795	11.69	3.226

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 22.0 Month: 01 1  
\* File 1, Run 1, Scenario 87.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 22.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.21	3.14	3.38	3.21	8.56	0.479	0.419	0.757	11.15	3.197
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.21	3.14	3.38	3.21		0.479	0.419		11.153	
CO Total Exhaust:	3.21	3.14	3.38	3.21	8.56	0.479	0.419	0.757	11.15	3.197

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 23.0 Month: 01 1  
\* File 1, Run 1, Scenario 88.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.13	3.37	3.19	8.16	0.457	0.400	0.722	10.66	3.171
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.20	3.13	3.37	3.19		0.457	0.400		10.661	
CO Total Exhaust:	3.20	3.13	3.37	3.19	8.16	0.457	0.400	0.722	10.66	3.171

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 89.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.18	3.11	3.35	3.18	7.79	0.437	0.382	0.691	10.21	3.147
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.18	3.11	3.35	3.18		0.437	0.382		10.210	
CO Total Exhaust:	3.18	3.11	3.35	3.18	7.79	0.437	0.382	0.691	10.21	3.147

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 25.0 Month: 01 1

\* File 1, Run 1, Scenario 90.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.17	3.10	3.34	3.17	7.45	0.419	0.366	0.661	9.79	3.125
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.17	3.10	3.34	3.17		0.419	0.366		9.795	
CO Total Exhaust:	3.17	3.10	3.34	3.17	7.45	0.419	0.366	0.661	9.79	3.125

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 26.0 Month: 01 1

\* File 1, Run 1, Scenario 91.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.16	3.09	3.33	3.16	7.16	0.402	0.352	0.635	9.38	3.105
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.16	3.09	3.33	3.16		0.402	0.352		9.379	
CO Total Exhaust:	3.16	3.09	3.33	3.16	7.16	0.402	0.352	0.635	9.38	3.105

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 27.0 Month: 01 1

\* File 1, Run 1, Scenario 92.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D



Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.08	3.32	3.15	6.88	0.387	0.338	0.611	8.99	3.087
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.15	3.08	3.32	3.15		0.387	0.338		8.995	
CO Total Exhaust:	3.15	3.08	3.32	3.15	6.88	0.387	0.338	0.611	8.99	3.087

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 28.0 Month: 01 1  
 \* File 1, Run 1, Scenario 93.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.14	3.07	3.31	3.14	6.63	0.372	0.326	0.588	8.64	3.070
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.14	3.07	3.31	3.14		0.372	0.326		8.637	
CO Total Exhaust:	3.14	3.07	3.31	3.14	6.63	0.372	0.326	0.588	8.64	3.070

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 94.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.13	3.06	3.30	3.13	6.39	0.359	0.314	0.567	8.30	3.054
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.13	3.06	3.30	3.13		0.359	0.314		8.305	
CO Total Exhaust:	3.13	3.06	3.30	3.13	6.39	0.359	0.314	0.567	8.30	3.054

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 30.0 Month: 01 1  
\* File 1, Run 1, Scenario 95.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 30.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.12	3.05	3.29	3.12	6.18	0.346	0.303	0.547	7.99	3.039
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.12	3.05	3.29	3.12		0.346	0.303		7.994	
CO Total Exhaust:	3.12	3.05	3.29	3.12	6.18	0.346	0.303	0.547	7.99	3.039

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 31.0 Month: 01 1  
\* File 1, Run 1, Scenario 96.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 31.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.13	3.07	3.30	3.13	6.00	0.336	0.294	0.530	7.69	3.044
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.000	
CO Running:	3.13	3.07	3.30	3.13	0.336	0.294	0.530	7.69	3.044	
CO Total Exhaust:	3.13	3.07	3.30	3.13	6.00	0.336	0.294	0.530	7.69	3.044

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 32.0 Month: 01 1  
\* File 1, Run 1, Scenario 97.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 32.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.14	3.08	3.31	3.14	5.84	0.326	0.285	0.515	7.41	3.048
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	0.000	
CO Running:	3.14	3.08	3.31	3.14	0.326	0.285	0.515	7.41	3.048	
CO Total Exhaust:	3.14	3.08	3.31	3.14	5.84	0.326	0.285	0.515	7.41	3.048

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 33.0 Month: 01 1  
\* File 1, Run 1, Scenario 98.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 33.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for

all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.09	3.32	3.16	5.69	0.317	0.277	0.500	7.15	3.053
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.15	3.09	3.32	3.16		0.317	0.277		7.145	
CO Total Exhaust:	3.15	3.09	3.32	3.16	5.69	0.317	0.277	0.500	7.15	3.053

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 34.0 Month: 01 1  
 \* File 1, Run 1, Scenario 99.

\* #####  
 \*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 34.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.16	3.10	3.33	3.17	5.54	0.308	0.269	0.487	6.90	3.057
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.16	3.10	3.33	3.17		0.308	0.269		6.895	
CO Total Exhaust:	3.16	3.10	3.33	3.17	5.54	0.308	0.269	0.487	6.90	3.057

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 35.0 Month: 01 1  
 \* File 1, Run 1, Scenario 100.

\* #####  
 \*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp  
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## M581 Warning:

The user supplied freeway average speed of 35.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.17	3.11	3.34	3.18	5.41	0.300	0.262	0.474	6.66	3.060
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.17	3.11	3.34	3.18		0.300	0.262		6.660	
CO Total Exhaust:	3.17	3.11	3.34	3.18	5.41	0.300	0.262	0.474	6.66	3.060

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 36.0 Month: 01 1

\* File 1, Run 1, Scenario 101.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp

## M581 Warning:

The user supplied freeway average speed of 36.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.23	3.17	3.41	3.24	5.32	0.294	0.257	0.464	6.45	3.115
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.23	3.17	3.41	3.24		0.294	0.257		6.454	
CO Total Exhaust:	3.23	3.17	3.41	3.24	5.32	0.294	0.257	0.464	6.45	3.115

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 37.0 Month: 01 1 2015MONT. OUT

\* File 1, Run 1, Scenario 102.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 37.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.29	3.23	3.47	3.30	5.23	0.288	0.252	0.454	6.26	3.166
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.29	3.23	3.47	3.30		0.288	0.252		6.259	
CO Total Exhaust:	3.29	3.23	3.47	3.30	5.23	0.288	0.252	0.454	6.26	3.166

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 103.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 38.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.35	3.29	3.53	3.36	5.15	0.282	0.247	0.445	6.07	3.214
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.35	3.29	3.53	3.36		0.282	0.247		6.074	

CO Total Exhaust: 3.35 3.29 3.53 3.36 2015MONT. OUT 5.15 0.282 0.247 0.445 6.07 3.214

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 39.0 Month: 01 1

\* File 1, Run 1, Scenario 104.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 39.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.40	3.34	3.59	3.41	5.08	0.277	0.242	0.437	5.90	3.260
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.40	3.34	3.59	3.41		0.277	0.242		5.899	
CO Total Exhaust:	3.40	3.34	3.59	3.41	5.08	0.277	0.242	0.437	5.90	3.260

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 40.0 Month: 01 1

\* File 1, Run 1, Scenario 105.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 40.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.45	3.39	3.64	3.46	5.01	0.272	0.238	0.429	5.73	3.304

## 2015MONT. OUT

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	3.45	3.39	3.64	3.46		0.272	0.238		5.733	
CO Total Exhaust:	3.45	3.39	3.64	3.46	5.01	0.272	0.238	0.429	5.73	3.304

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 41.0 Month: 01 1

\* File 1, Run 1, Scenario 106.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 41.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.51	3.46	3.70	3.53	4.98	0.269	0.235	0.424	5.60	3.359
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000	
CO Running:	3.51	3.46	3.70	3.53		0.269	0.235		5.604	
CO Total Exhaust:	3.51	3.46	3.70	3.53	4.98	0.269	0.235	0.424	5.60	3.359

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 42.0 Month: 01 1

\* File 1, Run 1, Scenario 107.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 42.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000



## 2015MONT. OUT

-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.57	3.51	3.77	3.59	4.96	0.266	0.232	0.419	5.48	3.412
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.57	3.51	3.77	3.59		0.266	0.232		5.482	
CO Total Exhaust:	3.57	3.51	3.77	3.59	4.96	0.266	0.232	0.419	5.48	3.412
-----										

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 108.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.62	3.57	3.82	3.64	4.94	0.263	0.230	0.415	5.37	3.462
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.62	3.57	3.82	3.64		0.263	0.230		5.365	
CO Total Exhaust:	3.62	3.57	3.82	3.64	4.94	0.263	0.230	0.415	5.37	3.462
-----										

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 109.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	2015MONT. OUT HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.68	3.63	3.88	3.70	4.91	0.260	0.227	0.411	5.25	3.510
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.68	3.63	3.88	3.70		0.260	0.227		5.254	
CO Total Exhaust:	3.68	3.63	3.88	3.70	4.91	0.260	0.227	0.411	5.25	3.510

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 110.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.73	3.68	3.93	3.75	4.89	0.258	0.225	0.407	5.15	3.556
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.73	3.68	3.93	3.75		0.258	0.225		5.148	
CO Total Exhaust:	3.73	3.68	3.93	3.75	4.89	0.258	0.225	0.407	5.15	3.556

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 111.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

```

LEV phase-in data read from file E:\AQPROG\MOBI LE62\O6MDCOM\EXT_DATA\LEV\NLEVNE.D
      Calendar Year: 2015
      Month: Jan.
      Altitude: Low
      Minimum Temperature: 33.0 (F)
      Maximum Temperature: 53.0 (F)
      Absolute Humidity: 75. grains/lb
      Nominal Fuel RVP: 12.9 psi
      Weathered RVP: 12.9 psi
      Fuel Sul fur Content: 30. ppm
      Exhaust I/M Program: Yes

```

Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.90	3.85	4.12	3.93	5.00	0.256	0.224	0.405	5.00	3.719
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	3.85	4.12	3.93		0.256	0.224		4.998	
CO Total Exhaust:	3.90	3.85	4.12	3.93	5.00	0.256	0.224	0.405	5.00	3.719

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 49.0 Month: 01 1  
 \* File 1, Run 1, Scenario 114.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 49.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.96	3.91	4.18	3.98	5.03	0.256	0.224	0.404	4.95	3.769
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.96	3.91	4.18	3.98		0.256	0.224		4.952	
CO Total Exhaust:	3.96	3.91	4.18	3.98	5.03	0.256	0.224	0.404	4.95	3.769

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 50.0 Month: 01 1  
 \* File 1, Run 1, Scenario 115.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.01	3.96	4.23	4.04	5.06	0.256	0.224	0.404	4.91	3.817
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.01	3.96	4.23	4.04		0.256	0.224		4.908	
CO Total Exhaust:	4.01	3.96	4.23	4.04	5.06	0.256	0.224	0.404	4.91	3.817

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 116.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 51.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.07	4.02	4.29	4.10	5.16	0.258	0.225	0.407	4.91	3.875
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.07	4.02	4.29	4.10		0.258	0.225		4.908	
CO Total Exhaust:	4.07	4.02	4.29	4.10	5.16	0.258	0.225	0.407	4.91	3.875

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 52.0 Month: 01 1

\* File 1, Run 1, Scenario 117.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 52.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.13	4.08	4.35	4.16	5.25	0.260	0.227	0.410	4.91	3.931
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.13	4.08	4.35	4.16		0.260	0.227		4.908	
CO Total Exhaust:	4.13	4.08	4.35	4.16	5.25	0.260	0.227	0.410	4.91	3.931

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 53.0 Month: 01 1  
 \* File 1, Run 1, Scenario 118.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.18	4.14	4.41	4.22	5.34	0.262	0.229	0.413	4.91	3.984
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.18	4.14	4.41	4.22		0.262	0.229		4.908	
CO Total Exhaust:	4.18	4.14	4.41	4.22	5.34	0.262	0.229	0.413	4.91	3.984

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 54.0 Month: 01 1  
 \* File 1, Run 1, Scenario 119.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 54.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

2015MONT. OUT  
LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.23	4.19	4.47	4.27	5.43	0.264	0.231	0.416	4.91	4.036
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.23	4.19	4.47	4.27		0.264	0.231		4.908	
CO Total Exhaust:	4.23	4.19	4.47	4.27	5.43	0.264	0.231	0.416	4.91	4.036

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 55.0 Month: 01 1  
\* File 1, Run 1, Scenario 120.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp  
M581 Warning:

The user supplied freeway average speed of 55.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3444	0.4047	0.1609	-----	0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.29	4.25	4.52	4.32	5.52	0.265	0.232	0.419	4.91	4.086
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.29	4.25	4.52	4.32		0.265	0.232		4.908	
CO Total Exhaust:	4.29	4.25	4.52	4.32	5.52	0.265	0.232	0.419	4.91	4.086

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 56.0 Month: 01 1  
\* File 1, Run 1, Scenario 121.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp  
M581 Warning:

The user supplied freeway average speed of 56.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.35	4.31	4.59	4.39	5.70	0.270	0.236	0.427	6.17	4.151
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.35	4.31	4.59	4.39		0.270	0.236		6.175	
CO Total Exhaust:	4.35	4.31	4.59	4.39	5.70	0.270	0.236	0.427	6.17	4.151

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 57.0 Month: 01 1  
 \* File 1, Run 1, Scenario 122.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.40	4.36	4.65	4.45	5.87	0.275	0.241	0.434	7.40	4.215
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.40	4.36	4.65	4.45		0.275	0.241		7.397	
CO Total Exhaust:	4.40	4.36	4.65	4.45	5.87	0.275	0.241	0.434	7.40	4.215

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 123.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external



\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.46	4.42	4.71	4.50	6.04	0.280	0.245	0.442	8.58	4.275
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.46	4.42	4.71	4.50		0.280	0.245		8.577	
CO Total Exhaust:	4.46	4.42	4.71	4.50	6.04	0.280	0.245	0.442	8.58	4.275

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 59.0 Month: 01 1

\* File 1, Run 1, Scenario 124.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 59.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.51	4.48	4.77	4.56	6.21	0.284	0.249	0.449	9.72	4.334
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.51	4.48	4.77	4.56		0.284	0.249		9.717	
CO Total Exhaust:	4.51	4.48	4.77	4.56	6.21	0.284	0.249	0.449	9.72	4.334

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 60.0 Month: 01 1

\* File 1, Run 1, Scenario 125.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 60.0  
will be used for all hours of the day. 100% of VMT

has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.57	4.53	4.82	4.61	6.36	0.289	0.252	0.456	10.82	4.391
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.57	4.53	4.82	4.61		0.289	0.252		10.819	
CO Total Exhaust:	4.57	4.53	4.82	4.61	6.36	0.289	0.252	0.456	10.82	4.391

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 61.0 Month: 01 1  
 \* File 1, Run 1, Scenario 126.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 61.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.63	4.59	4.88	4.67	6.66	0.297	0.260	0.469	12.08	4.459
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.63	4.59	4.88	4.67		0.297	0.260		12.079	
CO Total Exhaust:	4.63	4.59	4.88	4.67	6.66	0.297	0.260	0.469	12.08	4.459

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 62.0 Month: 01 1  
 \* File 1, Run 1, Scenario 127.  
 \* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp 2015MONT.OUT  
SCENARIO: 127 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 62.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.68	4.65	4.94	4.73	6.95	0.305	0.267	0.482	13.30	4.525
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.68	4.65	4.94	4.73		0.305	0.267		13.297	
CO Total Exhaust:	4.68	4.65	4.94	4.73	6.95	0.305	0.267	0.482	13.30	4.525

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 63.0 Month: 01 1  
\* File 1, Run 1, Scenario 128.

\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 63.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.74	4.71	5.00	4.79	7.22	0.313	0.274	0.494	14.48	4.588
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.74	4.71	5.00	4.79		0.313	0.274		14.478	
CO Total Exhaust:	4.74	4.71	5.00	4.79	7.22	0.313	0.274	0.494	14.48	4.588

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 64.0 Month: 01 1  
 \* File 1, Run 1, Scenario 129.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 64.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.79	4.76	5.06	4.85	7.49	0.321	0.280	0.506	15.62	4.650
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.79	4.76	5.06	4.85		0.321	0.280		15.621	
CO Total Exhaust:	4.79	4.76	5.06	4.85	7.49	0.321	0.280	0.506	15.62	4.650

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 65.0 Month: 01 1  
 \* File 1, Run 1, Scenario 130.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 65.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.84	4.81	5.12	4.90	7.75	0.328	0.287	0.518	16.73	4.709
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	

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CO Running:	4.84	4.81	5.12	4.90		0.328	0.287		16.729	
CO Total Exhaust:	4.84	4.81	5.12	4.90	7.75	0.328	0.287	0.518	16.73	4.709

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 34.6 Month: 01 1

\* File 1, Run 1, Scenario 131.

\* #####

\*FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\VMT\_FAC\FV4.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						

VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	6.07	5.64	5.91	5.72	5.46	0.303	0.265	0.478	6.68	5.499
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.07	5.64	5.91	5.72		0.303	0.265		6.682	
CO Total Exhaust:	6.07	5.64	5.91	5.72	5.46	0.303	0.265	0.478	6.68	5.499

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 12.9 Month: 01 1

\* File 1, Run 1, Scenario 132.

\* #####

\*FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKCOLD.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						

VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	14.96	13.42	12.90	13.27	14.72	1.327	1.486	1.264	31.86	13.188
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Exhaust emissions (g/mi):

CO Start:	11.87	10.33	9.56	10.11		0.527	0.787		12.750	
CO Running:	3.09	3.08	3.34	3.15		0.800	0.700		19.109	
CO Total Exhaust:	14.96	13.42	12.90	13.27	14.72	1.327	1.486	1.264	31.86	13.188

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 12.9 Month: 01 1

\* File 1, Run 1, Scenario 133.

\* #####

\* FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKHOT.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.3444	0.4047	0.1609		0.0207	0.0018	0.0003	0.0626	0.0045	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	4.53	4.38	4.56	4.43	14.72	0.976	0.963	1.264	21.30	4.550
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Exhaust emissions (g/mi):

CO Start:	1.44	1.30	1.22	1.28		0.176	0.263		2.195	
CO Running:	3.09	3.08	3.34	3.15		0.800	0.700		19.109	
CO Total Exhaust:	4.53	4.38	4.56	4.43	14.72	0.976	0.963	1.264	21.30	4.550

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 12.9 Month: 01 1

\* File 1, Run 1, Scenario 134.

\* #####

\* FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

					2015MONT. OUT									
					0.0046	0.0019	0.0003	0.0136	0.0048	1.0000				
VMT Distribution:					0.3689	0.4335	0.1723							
-----														
Composite Emission Factors (g/mi):														
Composite CO :					3.09	3.08	3.34	3.15	14.73	0.800	0.700	1.261	19.11	3.230
-----														
Exhaust emissions (g/mi):														
-----														
CO Start:					0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:					3.09	3.08	3.34	3.15		0.800	0.700		19.109	
CO Total Exhaust:					3.09	3.08	3.34	3.15	14.73	0.800	0.700	1.261	19.11	3.230
-----														

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 1.00 Month: 01 1

\* File 1, Run 1, Scenario 135.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc

M 52 Warning:

1.00 speed increased to 2.5 mph minimum

M583 Warning:

The user supplied arterial average speed of 2.5 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	13.73	12.71	13.69	12.99	34.22	1.727	1.510	2.722	90.92	13.566
-----										
Exhaust emissions (g/mi):										
-----										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	13.73	12.71	13.69	12.99		1.727	1.510		90.925	
CO Total Exhaust:	13.73	12.71	13.69	12.99	34.22	1.727	1.510	2.722	90.92	13.566
-----										

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 2.00 Month: 01 1

\* File 1, Run 1, Scenario 136.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc

M 52 Warning:

2.00 speed increased to 2.5 mph minimum

M583 Warning:

The user supplied arterial average speed of 2.5 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

## 2015MONT. OUT

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	13.73	12.71	13.69	12.99	34.22	1.727	1.510	2.722	90.92	13.566
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	13.73	12.71	13.69	12.99		1.727	1.510		90.925	
CO Total Exhaust:	13.73	12.71	13.69	12.99	34.22	1.727	1.510	2.722	90.92	13.566

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 137.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	11.67	10.87	11.71	11.11	31.93	1.622	1.418	2.555	78.08	11.594
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	11.67	10.87	11.71	11.11		1.622	1.418		78.076	
CO Total Exhaust:	11.67	10.87	11.71	11.11	31.93	1.622	1.418	2.555	78.08	11.594

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 4.00 Month: 01 1  
 \* File 1, Run 1, Scenario 138.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm



Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	9.10	8.57	9.23	8.76	29.06	1.489	1.302	2.347	62.02	9.128
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	9.10	8.57	9.23	8.76		1.489	1.302		62.016	
CO Total Exhaust:	9.10	8.57	9.23	8.76	29.06	1.489	1.302	2.347	62.02	9.128

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 5.00 Month: 01 1  
 \* File 1, Run 1, Scenario 139.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.55	7.19	7.74	7.35	27.34	1.410	1.233	2.222	52.38	7.649
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	7.55	7.19	7.74	7.35		1.410	1.233		52.379	
CO Total Exhaust:	7.55	7.19	7.74	7.35	27.34	1.410	1.233	2.222	52.38	7.649

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 6.00 Month: 01 1  
 \* File 1, Run 1, Scenario 140.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.60	6.32	6.80	6.46	24.29	1.264	1.105	1.992	43.31	6.695
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	6.60	6.32	6.80	6.46		1.264	1.105		43.308	
CO Total Exhaust:	6.60	6.32	6.80	6.46	24.29	1.264	1.105	1.992	43.31	6.695

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 7.00 Month: 01 1

\* File 1, Run 1, Scenario 141.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.92	5.69	6.13	5.82	22.11	1.160	1.014	1.828	36.83	6.013
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	5.92	5.69	6.13	5.82		1.160	1.014		36.828	
CO Total Exhaust:	5.92	5.69	6.13	5.82	22.11	1.160	1.014	1.828	36.83	6.013

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 142.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 8.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.

Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.41	5.22	5.62	5.34	20.48	1.082	0.946	1.705	31.97	5.502
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	5.41	5.22	5.62	5.34		1.082	0.946		31.968	
CO Total Exhaust:	5.41	5.22	5.62	5.34	20.48	1.082	0.946	1.705	31.97	5.502

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 143.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 9.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.01	4.86	5.23	4.96	19.21	1.021	0.893	1.609	28.19	5.104
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	5.01	4.86	5.23	4.96		1.021	0.893		28.188	
CO Total Exhaust:	5.01	4.86	5.23	4.96	19.21	1.021	0.893	1.609	28.19	5.104

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 144.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.70	4.57	4.91	4.67	18.19	0.972	0.850	1.532	25.16	4.786
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	4.70	4.57	4.91	4.67		0.972	0.850		25.164	
CO Total Exhaust:	4.70	4.57	4.91	4.67	18.19	0.972	0.850	1.532	25.16	4.786

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 11.0 Month: 01 1  
 \* File 1, Run 1, Scenario 145.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 11.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.47	4.35	4.68	4.44	16.72	0.899	0.786	1.416	22.76	4.545
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	4.47	4.35	4.68	4.44		0.899	0.786		22.759	
CO Total Exhaust:	4.47	4.35	4.68	4.44	16.72	0.899	0.786	1.416	22.76	4.545

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 12.0 Month: 01 1  
 \* File 1, Run 1, Scenario 146.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 12.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723	-----	0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.28	4.16	4.48	4.25	15.49	0.837	0.732	1.319	20.75	4.343
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	4.28	4.16	4.48	4.25		0.837	0.732		20.754	
CO Total Exhaust:	4.28	4.16	4.48	4.25	15.49	0.837	0.732	1.319	20.75	4.343

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 13.0 Month: 01 1  
\* File 1, Run 1, Scenario 147.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 13.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723	-----	0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.11	4.01	4.31	4.09	14.45	0.785	0.686	1.237	19.06	4.173
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	4.11	4.01	4.31	4.09		0.785	0.686		19.058	
CO Total Exhaust:	4.11	4.01	4.31	4.09	14.45	0.785	0.686	1.237	19.06	4.173

\* #####  
\* St & Cnty: 2403 mont1 MY: 2015 Speed: 14.0 Month: 01 1  
\* File 1, Run 1, Scenario 148.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 14.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO. SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE. D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.97	3.87	4.17	3.96	13.56	0.740	0.647	1.167	17.60	4.027
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.97	3.87	4.17	3.96		0.740	0.647		17.604	
CO Total Exhaust:	3.97	3.87	4.17	3.96	13.56	0.740	0.647	1.167	17.60	4.027

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 149.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO. SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE. D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.85	3.76	4.04	3.84	12.79	0.702	0.613	1.106	16.34	3.901
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.85	3.76	4.04	3.84		0.702	0.613		16.344	
CO Total Exhaust:	3.85	3.76	4.04	3.84	12.79	0.702	0.613	1.106	16.34	3.901

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 150.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 16.0

will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723	-----	0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.75	3.66	3.93	3.73	11.96	0.659	0.576	1.038	15.33	3.789
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.75	3.66	3.93	3.73		0.659	0.576		15.329	
CO Total Exhaust:	3.75	3.66	3.93	3.73	11.96	0.659	0.576	1.038	15.33	3.789

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 17.0 Month: 01 1

\* File 1, Run 1, Scenario 151.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 17.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723	-----	0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.66	3.57	3.84	3.64	11.24	0.621	0.543	0.978	14.43	3.691
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.66	3.57	3.84	3.64		0.621	0.543		14.434	
CO Total Exhaust:	3.66	3.57	3.84	3.64	11.24	0.621	0.543	0.978	14.43	3.691

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 18.0 Month: 01 1

\* File 1, Run 1, Scenario 152.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 18.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.57	3.49	3.75	3.56	10.59	0.587	0.513	0.925	13.64	3.604
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.57	3.49	3.75	3.56		0.587	0.513		13.637	
CO Total Exhaust:	3.57	3.49	3.75	3.56	10.59	0.587	0.513	0.925	13.64	3.604

\* #####

\* St &amp; Cnty: 2403 mont1 MY: 2015 Speed: 19.0 Month: 01 1

\* File 1, Run 1, Scenario 153.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 19.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.42	3.68	3.49	10.02	0.557	0.487	0.878	12.93	3.526
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.50	3.42	3.68	3.49		0.557	0.487		12.925	
CO Total Exhaust:	3.50	3.42	3.68	3.49	10.02	0.557	0.487	0.878	12.93	3.526



\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 20.0 Month: 01 1

\* File 1, Run 1, Scenario 154.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 20.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723	-----	0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.43	3.35	3.61	3.42	9.50	0.530	0.463	0.835	12.28	3.456
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.43	3.35	3.61	3.42		0.530	0.463		12.284	
CO Total Exhaust:	3.43	3.35	3.61	3.42	9.50	0.530	0.463	0.835	12.28	3.456

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 155.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 21.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3689	0.4335	0.1723	-----	0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.38	3.30	3.55	3.37	9.01	0.503	0.440	0.793	11.69	3.396
Exhaust emissions (g/mi):										

2015MONT. OUT

CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.38	3.30	3.55	3.37		0.503	0.440		11.691	
CO Total Exhaust:	3.38	3.30	3.55	3.37	9.01	0.503	0.440	0.793	11.69	3.396

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 22.0 Month: 01 1  
 \* File 1, Run 1, Scenario 156.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 22.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.33	3.25	3.50	3.32	8.57	0.479	0.419	0.755	11.15	3.342
----------------	------	------	------	------	------	-------	-------	-------	-------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.33	3.25	3.50	3.32		0.479	0.419		11.153	
CO Total Exhaust:	3.33	3.25	3.50	3.32	8.57	0.479	0.419	0.755	11.15	3.342

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 23.0 Month: 01 1  
 \* File 1, Run 1, Scenario 157.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 23.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000

Composite Emission Factors (g/mi):

					2015MONT. OUT					
Composite CO :	3.28	3.20	3.45	3.27	8.16	0.457	0.400	0.721	10.66	3.292

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.28	3.20	3.45	3.27		0.457	0.400		10.661	
CO Total Exhaust:	3.28	3.20	3.45	3.27	8.16	0.457	0.400	0.721	10.66	3.292

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 24.0 Month: 01 1  
 \* File 1, Run 1, Scenario 158.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000

Composite Emission Factors (g/mi):										
Composite CO :	3.24	3.16	3.41	3.23	7.79	0.437	0.382	0.689	10.21	3.247

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.24	3.16	3.41	3.23		0.437	0.382		10.210	
CO Total Exhaust:	3.24	3.16	3.41	3.23	7.79	0.437	0.382	0.689	10.21	3.247

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 25.0 Month: 01 1  
 \* File 1, Run 1, Scenario 159.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										

					2015MONT. OUT					
VTM Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.12	3.36	3.19	7.45	0.419	0.366	0.660	9.79	3.205
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.20	3.12	3.36	3.19		0.419	0.366		9.795	
CO Total Exhaust:	3.20	3.12	3.36	3.19	7.45	0.419	0.366	0.660	9.79	3.205

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 26.0 Month: 01 1  
 \* File 1, Run 1, Scenario 160.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VTM Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.18	3.11	3.35	3.18	7.16	0.402	0.352	0.634	9.38	3.186
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.18	3.11	3.35	3.18		0.402	0.352		9.379	
CO Total Exhaust:	3.18	3.11	3.35	3.18	7.16	0.402	0.352	0.634	9.38	3.186

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 27.0 Month: 01 1  
 \* File 1, Run 1, Scenario 161.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

2015MONT. OUT  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.17	3.10	3.33	3.16	6.88	0.387	0.338	0.609	8.99	3.168
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.17	3.10	3.33	3.16		0.387	0.338		8.995	
CO Total Exhaust:	3.17	3.10	3.33	3.16	6.88	0.387	0.338	0.609	8.99	3.168

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 28.0 Month: 01 1  
 \* File 1, Run 1, Scenario 162.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.08	3.32	3.15	6.63	0.372	0.326	0.587	8.64	3.151
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.15	3.08	3.32	3.15		0.372	0.326		8.637	
CO Total Exhaust:	3.15	3.08	3.32	3.15	6.63	0.372	0.326	0.587	8.64	3.151

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 163.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.14	3.07	3.30	3.14	6.40	0.359	0.314	0.566	8.30	3.135
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.14	3.07	3.30	3.14		0.359	0.314		8.305	
CO Total Exhaust:	3.14	3.07	3.30	3.14	6.40	0.359	0.314	0.566	8.30	3.135

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 30.0 Month: 01 1  
 \* File 1, Run 1, Scenario 164.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.13	3.06	3.29	3.12	6.18	0.346	0.303	0.546	7.99	3.121
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.13	3.06	3.29	3.12		0.346	0.303		7.994	
CO Total Exhaust:	3.13	3.06	3.29	3.12	6.18	0.346	0.303	0.546	7.99	3.121

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 165.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.14	3.07	3.30	3.14	6.00	0.336	0.294	0.529	7.69	3.129
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.14	3.07	3.30	3.14		0.336	0.294		7.693	
CO Total Exhaust:	3.14	3.07	3.30	3.14	6.00	0.336	0.294	0.529	7.69	3.129

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 166.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.14	3.08	3.31	3.15	5.84	0.326	0.285	0.514	7.41	3.137
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.14	3.08	3.31	3.15		0.326	0.285		7.411	
CO Total Exhaust:	3.14	3.08	3.31	3.15	5.84	0.326	0.285	0.514	7.41	3.137

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 33.0 Month: 01 1  
 \* File 1, Run 1, Scenario 167.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 33.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.09	3.32	3.16	5.69	0.317	0.277	0.499	7.15	3.144
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.15	3.09	3.32	3.16		0.317	0.277		7.145	
CO Total Exhaust:	3.15	3.09	3.32	3.16	5.69	0.317	0.277	0.499	7.15	3.144

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 168.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 34.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.16	3.10	3.33	3.17	5.55	0.308	0.269	0.486	6.90	3.151
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.16	3.10	3.33	3.17		0.308	0.269		6.895	
CO Total Exhaust:	3.16	3.10	3.33	3.17	5.55	0.308	0.269	0.486	6.90	3.151

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 169.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015



Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.17	3.11	3.34	3.18	5.41	0.300	0.262	0.473	6.66	3.157
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.17	3.11	3.34	3.18		0.300	0.262		6.660	
CO Total Exhaust:	3.17	3.11	3.34	3.18	5.41	0.300	0.262	0.473	6.66	3.157

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 170.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.23	3.17	3.41	3.24	5.32	0.294	0.257	0.463	6.45	3.217
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.23	3.17	3.41	3.24		0.294	0.257		6.454	
CO Total Exhaust:	3.23	3.17	3.41	3.24	5.32	0.294	0.257	0.463	6.45	3.217

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 171.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.29	3.23	3.47	3.30	5.24	0.288	0.252	0.453	6.26	3.274
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.29	3.23	3.47	3.30		0.288	0.252		6.259	
CO Total Exhaust:	3.29	3.23	3.47	3.30	5.24	0.288	0.252	0.453	6.26	3.274

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 172.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.35	3.29	3.53	3.36	5.16	0.282	0.247	0.445	6.07	3.328
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.35	3.29	3.53	3.36		0.282	0.247		6.074	
CO Total Exhaust:	3.35	3.29	3.53	3.36	5.16	0.282	0.247	0.445	6.07	3.328

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 39.0 Month: 01 1  
 \* File 1, Run 1, Scenario 173.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.40	3.34	3.59	3.41	5.08	0.277	0.242	0.436	5.90	3.379
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.40	3.34	3.59	3.41		0.277	0.242		5.899	
CO Total Exhaust:	3.40	3.34	3.59	3.41	5.08	0.277	0.242	0.436	5.90	3.379

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 40.0 Month: 01 1  
 \* File 1, Run 1, Scenario 174.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.45	3.39	3.64	3.46	5.01	0.272	0.238	0.428	5.73	3.427
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.45	3.39	3.64	3.46		0.272	0.238		5.733	
CO Total Exhaust:	3.45	3.39	3.64	3.46	5.01	0.272	0.238	0.428	5.73	3.427

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 175.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.51	3.46	3.70	3.53	4.98	0.269	0.235	0.423	5.60	3.487
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.51	3.46	3.70	3.53		0.269	0.235		5.604	
CO Total Exhaust:	3.51	3.46	3.70	3.53	4.98	0.269	0.235	0.423	5.60	3.487

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 42.0 Month: 01 1

\* File 1, Run 1, Scenario 176.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.57	3.51	3.77	3.59	4.96	0.266	0.232	0.419	5.48	3.544
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.57	3.51	3.77	3.59		0.266	0.232		5.482	
CO Total Exhaust:	3.57	3.51	3.77	3.59	4.96	0.266	0.232	0.419	5.48	3.544

\* #####  
 \* St & Cnty: 2403 mont1 MY: 2015 Speed: 43.0 Month: 01 1

\* File 1, Run 1, Scenario 177.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 43.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.62	3.57	3.82	3.64	4.94	0.263	0.230	0.414	5.37	3.599
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.62	3.57	3.82	3.64		0.263	0.230		5.365	
CO Total Exhaust:	3.62	3.57	3.82	3.64	4.94	0.263	0.230	0.414	5.37	3.599

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 44.0 Month: 01 1

\* File 1, Run 1, Scenario 178.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 44.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.68	3.63	3.88	3.70	4.92	0.260	0.227	0.410	5.25	3.651
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.68	3.63	3.88	3.70		0.260	0.227		5.254	
CO Total Exhaust:	3.68	3.63	3.88	3.70	4.92	0.260	0.227	0.410	5.25	3.651

\* #####

\* St & Cnty: 2403 mont1 MY: 2015 Speed: 45.0 Month: 01 1

\* File 1, Run 1, Scenario 179.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 45.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700  
Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300  
Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3689	0.4335	0.1723		0.0046	0.0019	0.0003	0.0136	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.73	3.68	3.93	3.75	4.90	0.258	0.225	0.406	5.15	3.700
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.28		0.000	0.000		0.000	
CO Running:	3.73	3.68	3.93	3.75		0.258	0.225		5.148	
CO Total Exhaust:	3.73	3.68	3.93	3.75	4.90	0.258	0.225	0.406	5.15	3.700

MOBILE6 INPUT FILE :  
 > HEADER: State - MD / County - Prince George

REPORT FILE : 2015PG.OUT REPLACE  
 DATABASE OUTPUT :  
 WITH FIELDNAMES :  
 Pollutants : CO  
 DAILY OUTPUT :  
 EMISSIONS TABLE : 2015PG.TB1 REPLACE  
 SPREADSHEET : 2015PG.TAB REPLACE  
 AGGREGATED OUTPUT :

RUN DATA :  
 >COMMENTS  
 >24 033

EXPRESS HC AS VOC :  
 EXPAND EVAPORATIVE :  
 EXPAND EXHAUST :

NO REFUELING :  
 REBUILD EFFECTS : 0.90  
 WE DA TRI LEN DI : Ext\_Data\Trip\_Len\WeekTLD2.WDT  
 94+ LDG IMP : Ext\_Data\LEV\NLEVNE.D

FUEL PROGRAM : 4  
 300.0 299.0 279.0 259.0 121.0 92.0 33.0 33.0  
 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0  
 1000.0 1000.0 1000.0 1000.0 303.0 303.0 87.0 87.0  
 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

\* MOBILE6 default winter oxygenated fuel.  
 OXYGENATED FUELS : 0.7000 0.3000 0.015 0.035 1

\* Registration Distribution Source File - EXT\_DATA\RDT\R05\_PRGR.RDT  
 REG DIST : Ext\_Data\RDT\R05\_PRGR.RDT

\* Anti-Tampering Program Source File - C:\MWC0G\IM\_ATP\MD\_ATP\_02\_MP.ATP  
 ANTI-TAMP PROG :

\*\* Applicable for counties: Montgomery and Prince George's  
 89 77 50 22222 22222111 1 12 096. 12211112

\* Inspection and Maintenance (I/M) Source File - C:\MWC0G\IM\_ATP\MD\_IM\_2015\_MP.IM  
 >IM Program. Idle, IM240, and OBD.  
 >Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

\*Idle older LDGV, LDGT  
 I/M PROGRAM : 1 1984 2050 2 T/O Idle  
 I/M MODEL YEARS : 1 1977 1983  
 I/M VEHICLES : 1 22222 11111111 1  
 I/M STRINGENCY : 1 20.0  
 I/M COMPLIANCE : 1 96.0  
 I/M WAIVER RATES : 1 13.8 13.8  
 I/M GRACE PERIOD : 1 2

\*Idle HDGT  
 I/M PROGRAM : 2 1984 2050 2 T/O Idle  
 I/M MODEL YEARS : 2 1977 2050  
 I/M VEHICLES : 2 11111 22222111 1  
 I/M STRINGENCY : 2 20.0  
 I/M COMPLIANCE : 2 96.0  
 I/M WAIVER RATES : 2 13.8 13.8  
 I/M GRACE PERIOD : 2 2

\*IM240  
 I/M PROGRAM : 3 1984 2050 2 T/O IM240  
 I/M MODEL YEARS : 3 1984 1995  
 I/M VEHICLES : 3 22222 11111111 1  
 I/M STRINGENCY : 3 20.0  
 I/M COMPLIANCE : 3 96.0  
 I/M WAIVER RATES : 3 13.8 13.8  
 I/M CUTPOINTS : 3 Ext\_Data\IM\_ATP\MD.C10  
 I/M GRACE PERIOD : 3 2

\*OBD  
 I/M PROGRAM : 4 1984 2050 2 T/O OBD I/M  
 I/M MODEL YEARS : 4 1996 2050  
 I/M VEHICLES : 4 22222 11111111 1  
 I/M STRINGENCY : 4 20.0  
 I/M COMPLIANCE : 4 96.0  
 I/M WAIVER RATES : 4 5.4 5.4  
 I/M GRACE PERIOD : 4 2

\*OBD Evap (Actual Start Year: July 2002)  
 I/M PROGRAM : 5 2002 2050 2 T/O EVAP OBD  
 I/M MODEL YEARS : 5 1996 2050  
 I/M VEHICLES : 5 22222 11111111 1  
 I/M COMPLIANCE : 5 96.0  
 I/M WAIVER RATES : 5 5.4 5.4  
 I/M GRACE PERIOD : 5 2

\* Diesel Sales Fractions Source File - C:\MWC0G\EXT\_DATA\DSF\D10\_PRGR  
 DIESEL FRACTIONS :  
 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0036 0.0034 0.0043 0.0025  
 0.0022 0.0033 0.0022 0.0013 0.0020 0.0019 0.0004 0.0013 0.0023 0.0055  
 0.0010 0.0007 0.0004 0.0273 0.0153  
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0008  
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000  
 0.0000 0.0000 0.0000 0.0028 0.0000  
 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0000 0.0000 0.0000 0.0000  
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000  
 0.0000 0.0000 0.0000 0.0010 0.0054  
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001 0.0000 0.0000  
 0.0000 0.0004 0.0012 0.0004 0.0028 0.0079 0.0025 0.0023 0.0005 0.0034  
 0.0050 0.0068 0.0109 0.0089 0.0169  
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0009 0.0000 0.0000 0.0000

```

0.0007 0.0005 0.0004 0.0065 0.0146 0.0155 0.0172 0.0059 0.0102 0.0183
0.0288 0.0116 0.0047 0.0409 0.0471
0.2928 0.2928 0.2928 0.2928 0.2928 0.2928 0.2976 0.2356 0.2420 0.2112
0.2042 0.2699 0.1572 0.3314 0.3080 0.2452 0.2608 0.3049 0.1870 0.2342
0.2041 0.1640 0.1822 0.2488 0.2290
0.6980 0.6980 0.6980 0.6980 0.6980 0.6980 0.5259 0.5592 0.5244 0.5352
0.5490 0.6704 0.3799 0.4052 0.5667 0.4346 0.4041 0.5274 0.4444 0.4184
0.4094 0.3949 0.3810 0.3972 0.4031
0.8471 0.8471 0.8471 0.8471 0.8471 0.8471 0.7544 0.6182 0.5973 0.5135
0.6372 0.5885 0.4375 0.5714 0.5261 0.6081 0.3929 0.6087 0.2828 0.3258
0.3876 0.3672 0.3452 0.0147 0.0000
0.9574 0.9574 0.9574 0.9574 0.9574 0.9574 0.9273 0.9192 0.8563 0.9392
0.8368 0.7162 0.6230 0.2394 0.4878 0.3611 0.5818 0.8529 0.7308 0.6250
0.6667 0.7692 0.3571 0.6190 0.2857
0.9614 0.9614 0.9614 0.9614 0.9614 0.9614 0.8207 0.8262 0.8649 0.9118
0.8547 0.7971 0.8663 0.9486 0.9623 0.9677 0.9380 0.9379 0.6271 0.7849
0.8396 0.5889 0.6129 0.6769 0.5333
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9697 1.0000 1.0000 0.9933
0.9748 0.8961 0.9147 0.8521 0.9053 0.9774 0.9192 0.9667 0.9369 0.9470
0.9271 0.8625 0.9161 0.8403 0.7412
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9975
0.9978 1.0000 1.0000 1.0000 1.0000 0.9968 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 0.9759
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
1.0000 1.0000 1.0000 1.0000 1.0000

```

MIN/MAX TEMPERATURE: 33.00 53.00  
FUEL RVP : 12.90

```

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 1.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 1.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

```

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

```

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 2.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 2.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

```

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

```

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 3.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 3.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

```

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

```

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 4.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 4.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

```

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

```

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 5.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 5.00 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

```

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

```

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 6.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial
CALENDAR YEAR : 2015

```



EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :

0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 16.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1

ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial

SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 37.0 Month: 01 1  
 >FV FI LE: .FV OPMODE: Stable FACI LI TY: Arterial SCENARI O: 37 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 37.0 Arterial  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 38.0 Month: 01 1  
 >FV FI LE: .FV OPMODE: Stable FACI LI TY: Arterial SCENARI O: 38 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 38.0 Arterial  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 39.0 Month: 01 1  
 >FV FI LE: .FV OPMODE: Stable FACI LI TY: Arterial SCENARI O: 39 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 39.0 Arterial  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 40.0 Month: 01 1  
 >FV FI LE: .FV OPMODE: Stable FACI LI TY: Arterial SCENARI O: 40 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 40.0 Arterial  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 41.0 Month: 01 1  
 >FV FI LE: .FV OPMODE: Stable FACI LI TY: Arterial SCENARI O: 41 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 41.0 Arterial  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 42.0 Month: 01 1  
 >FV FI LE: .FV OPMODE: Stable FACI LI TY: Arterial SCENARI O: 42 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 42.0 Arterial  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 43.0 Month: 01 1  
 >FV FI LE: .FV OPMODE: Stable FACI LI TY: Arterial SCENARI O: 43 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 43.0 Arterial  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 44.0 Month: 01 1  
 Page 7

2015PG. IN  
SCENARIO: 44 RoadType: Arterial

>FV FILE: .FV OPMODE: Stable FACILITY: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 44.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 45.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 45.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 46.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 46.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 47.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 47.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 48.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 48.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 49.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 49.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 50.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 50.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 51.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 51.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

```

* VMT Source File - C:\MWC\EXT_DATA\VMT_MI\X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 52.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 52.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MI\X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 53.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 53.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MI\X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 54.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 54.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MI\X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 55.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 55.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MI\X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 56.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 56.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MI\X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 57.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 57.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MI\X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 58.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 58.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MI\X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 59.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial
CALENDAR YEAR : 2015

```

EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 59.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 60.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 60.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 61.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 61.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 62.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 62.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 63.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 63.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 64.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 64.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 65.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 65.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :



0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1

ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 16.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Non-Ramp

SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACI LI TY: Non-Ramp SCENARI O: 90 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 25.0 Non-Ramp  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACI LI TY: Non-Ramp SCENARI O: 91 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 26.0 Non-Ramp  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACI LI TY: Non-Ramp SCENARI O: 92 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 27.0 Non-Ramp  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACI LI TY: Non-Ramp SCENARI O: 93 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 28.0 Non-Ramp  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACI LI TY: Non-Ramp SCENARI O: 94 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 29.0 Non-Ramp  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACI LI TY: Non-Ramp SCENARI O: 95 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 30.0 Non-Ramp  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACI LI TY: Non-Ramp SCENARI O: 96 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATI ON MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMI DI TY : 75.0  
 AVERAGE SPEED : 31.0 Non-Ramp  
 SOAK DI STRI BUTI ON : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MI X\WI NTER\V10\_PRGR.VM

VMT FRACTI ONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARI O RECORD : St & Cnty: 24033 MY: 2015 Speed: 32.0 Month: 01 1  
 Page 14

2015PG. IN  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

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* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 40.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 40.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 41.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 41.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 42.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 42.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 43.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 43.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 44.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 44.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 45.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 45.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 46.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp
CALENDAR YEAR : 2015
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 46.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V10_PRGR.VM
VMT FRACTIONS :
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 47.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp
CALENDAR YEAR : 2015

```

EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 47.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 48.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 48.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 49.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 49.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 50.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 50.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 51.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 51.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 52.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 52.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 53.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 53.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 54.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 54.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM

VMT FRACTIONS :

0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 55.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 55.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 56.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 56.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 57.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 57.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 58.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 58.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 59.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 59.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 60.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 60.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 61.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 61.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
VMT FRACTIONS :  
0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 62.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 1  
ALTITUDE : 1



ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 62.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 63.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 63.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 64.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 64.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 65.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 65.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 34.6 Month: 01 1  
 >FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV4.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKCOLD.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKHOT.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3525 0.0846 0.3124 0.1083 0.0540 0.0276 0.0026 0.0022  
 0.0025 0.0080 0.0061 0.0082 0.0262 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Arterial

SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 16.0 Month: 01 1  
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2015PG. IN  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015

EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM

VMT FRACTIONS :

0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 40.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 40.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 41.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 41.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 42.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 42.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 43.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 43.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 44.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 44.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

SCENARIO RECORD : St & Cnty: 24033 MY: 2015 Speed: 45.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc  
 CALENDAR YEAR : 2015  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 45.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L10\_PRGR.VM  
 VMT FRACTIONS :  
 0.3775 0.0906 0.3347 0.1160 0.0578 0.0060 0.0006 0.0005  
 0.0005 0.0017 0.0013 0.0018 0.0058 0.0000 0.0000 0.0052

END OF RUN :





## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	15.26	14.89	15.50	15.07		1.791	1.703		90.192	
CO Total Exhaust:	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.072	90.19	15.134

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 2.00 Month: 01 1

\* File 1, Run 1, Scenario 2.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial

M 52 Warning: 2.00 speed increased to 2.5 mph minimum

M583 Warning:

The user supplied arterial average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

Composite Emission Factors (g/mi):

Composite CO :	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.072	90.19	15.134
----------------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	15.26	14.89	15.50	15.07		1.791	1.703		90.192	
CO Total Exhaust:	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.072	90.19	15.134

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 3.00 Month: 01 1

\* File 1, Run 1, Scenario 3.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 3.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										

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VTM Distribution:	0.3508	0.3968	0.1622	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	12.97	12.73	13.25	12.88	32.78	1.681	1.599	2.884	77.45	12.988
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000		
CO Running:	12.97	12.73	13.25	12.88	1.681	1.599	1.599	77.447		
CO Total Exhaust:	12.97	12.73	13.25	12.88	32.78	1.681	1.599	2.884	77.45	12.988

---

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 4.00 Month: 01 1  
 \* File 1, Run 1, Scenario 4.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

---

VTM Distribution:	0.3508	0.3968	0.1622	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	10.11	10.04	10.44	10.15	29.84	1.544	1.468	2.649	61.52	10.307
----------------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000		
CO Running:	10.11	10.04	10.44	10.15	1.544	1.468	1.468	61.516		
CO Total Exhaust:	10.11	10.04	10.44	10.15	29.84	1.544	1.468	2.649	61.52	10.307

---

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 5.00 Month: 01 1  
 \* File 1, Run 1, Scenario 5.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

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Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.39	8.42	8.76	8.52	28.07	1.462	1.390	2.508	51.96	8.698
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.39	8.42	8.76	8.52		1.462	1.390		51.957	
CO Total Exhaust:	8.39	8.42	8.76	8.52	28.07	1.462	1.390	2.508	51.96	8.698

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 6.00 Month: 01 1

\* File 1, Run 1, Scenario 6.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 6.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.33	7.39	7.69	7.48	24.94	1.311	1.246	2.248	42.96	7.622
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.33	7.39	7.69	7.48		1.311	1.246		42.958	
CO Total Exhaust:	7.33	7.39	7.69	7.48	24.94	1.311	1.246	2.248	42.96	7.622

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 7.00 Month: 01 1

\* File 1, Run 1, Scenario 7.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 7.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.58	6.66	6.93	6.74	22.70	1.203	1.143	2.063	36.53	6.854
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.58	6.66	6.93	6.74		1.203	1.143		36.531	
CO Total Exhaust:	6.58	6.66	6.93	6.74	22.70	1.203	1.143	2.063	36.53	6.854

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 8.00 Month: 01 1  
 \* File 1, Run 1, Scenario 8.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 8.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.01	6.11	6.36	6.18	21.03	1.122	1.066	1.924	31.71	6.278
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.01	6.11	6.36	6.18		1.122	1.066		31.710	
CO Total Exhaust:	6.01	6.11	6.36	6.18	21.03	1.122	1.066	1.924	31.71	6.278

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 9.00 Month: 01 1  
 \* File 1, Run 1, Scenario 9.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 9.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.57	5.68	5.91	5.75	19.72	1.058	1.006	1.816	27.96	5.829
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.57	5.68	5.91	5.75		1.058	1.006		27.961	
CO Total Exhaust:	5.57	5.68	5.91	5.75	19.72	1.058	1.006	1.816	27.96	5.829

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 10.0 Month: 01 1  
 \* File 1, Run 1, Scenario 10.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.22	5.34	5.56	5.41	18.68	1.008	0.959	1.729	24.96	5.471
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.22	5.34	5.56	5.41		1.008	0.959		24.961	
CO Total Exhaust:	5.22	5.34	5.56	5.41	18.68	1.008	0.959	1.729	24.96	5.471

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 11.0 Month: 01 1  
 \* File 1, Run 1, Scenario 11.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 11.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.96	5.09	5.29	5.14	17.16	0.932	0.886	1.598	22.58	5.184
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.96	5.09	5.29	5.14		0.932	0.886		22.575	
CO Total Exhaust:	4.96	5.09	5.29	5.14	17.16	0.932	0.886	1.598	22.58	5.184

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 12.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 12.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.75	4.87	5.07	4.93	15.90	0.868	0.825	1.488	20.59	4.945
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.75	4.87	5.07	4.93		0.868	0.825		20.587	
CO Total Exhaust:	4.75	4.87	5.07	4.93	15.90	0.868	0.825	1.488	20.59	4.945

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 13.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 13.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015

Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.57	4.69	4.88	4.74	14.84	0.814	0.774	1.396	18.90	4.743
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.57	4.69	4.88	4.74		0.814	0.774		18.904	
CO Total Exhaust:	4.57	4.69	4.88	4.74	14.84	0.814	0.774	1.396	18.90	4.743

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 14.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.42	4.53	4.72	4.59	13.92	0.768	0.730	1.317	17.46	4.570
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.42	4.53	4.72	4.59		0.768	0.730		17.462	
CO Total Exhaust:	4.42	4.53	4.72	4.59	13.92	0.768	0.730	1.317	17.46	4.570

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 15.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.28	4.40	4.57	4.45	13.13	0.727	0.692	1.248	16.21	4.419
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.28	4.40	4.57	4.45		0.727	0.692		16.213	
CO Total Exhaust:	4.28	4.40	4.57	4.45	13.13	0.727	0.692	1.248	16.21	4.419

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 16.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.17	4.28	4.45	4.33	12.28	0.683	0.649	1.171	15.21	4.284
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.17	4.28	4.45	4.33		0.683	0.649		15.206	
CO Total Exhaust:	4.17	4.28	4.45	4.33	12.28	0.683	0.649	1.171	15.21	4.284

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 17.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:



User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.06	4.17	4.34	4.22	11.54	0.644	0.612	1.104	14.32	4.165
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.06	4.17	4.34	4.22		0.644	0.612		14.317	
CO Total Exhaust:	4.06	4.17	4.34	4.22	11.54	0.644	0.612	1.104	14.32	4.165

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 18.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.97	4.08	4.25	4.13	10.88	0.609	0.579	1.044	13.53	4.059
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.97	4.08	4.25	4.13		0.609	0.579		13.528	
CO Total Exhaust:	3.97	4.08	4.25	4.13	10.88	0.609	0.579	1.044	13.53	4.059

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 19.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.89	4.00	4.16	4.04	10.28	0.577	0.549	0.991	12.82	3.964
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.89	4.00	4.16	4.04		0.577	0.549		12.821	
CO Total Exhaust:	3.89	4.00	4.16	4.04	10.28	0.577	0.549	0.991	12.82	3.964

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 20.0 Month: 01 1

\* File 1, Run 1, Scenario 20.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 20.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.82	3.92	4.08	3.97	9.75	0.549	0.522	0.942	12.19	3.879
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.82	3.92	4.08	3.97		0.549	0.522		12.185	
CO Total Exhaust:	3.82	3.92	4.08	3.97	9.75	0.549	0.522	0.942	12.19	3.879

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 21.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 21.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.75	3.86	4.02	3.91	9.25	0.522	0.496	0.895	11.60	3.806
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.75	3.86	4.02	3.91		0.522	0.496		11.597	
CO Total Exhaust:	3.75	3.86	4.02	3.91	9.25	0.522	0.496	0.895	11.60	3.806

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 22.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 22.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.70	3.80	3.96	3.85	8.80	0.497	0.473	0.853	11.06	3.739
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.70	3.80	3.96	3.85		0.497	0.473		11.063	
CO Total Exhaust:	3.70	3.80	3.96	3.85	8.80	0.497	0.473	0.853	11.06	3.739

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 23.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700  
Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300  
Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.65	3.75	3.91	3.80	8.38	0.474	0.451	0.814	10.57	3.678
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.65	3.75	3.91	3.80		0.474	0.451		10.575	
CO Total Exhaust:	3.65	3.75	3.91	3.80	8.38	0.474	0.451	0.814	10.57	3.678

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 24.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 24.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700  
Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300  
Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.60	3.70	3.86	3.75	8.00	0.453	0.431	0.778	10.13	3.623
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.60	3.70	3.86	3.75		0.453	0.431		10.128	
CO Total Exhaust:	3.60	3.70	3.86	3.75	8.00	0.453	0.431	0.778	10.13	3.623

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 25.0 Month: 01 1

\* File 1, Run 1, Scenario 25.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 25.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.56	3.66	3.81	3.70	7.65	0.434	0.413	0.745	9.72	3.571
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.56	3.66	3.81	3.70		0.434	0.413		9.716	
CO Total Exhaust:	3.56	3.66	3.81	3.70	7.65	0.434	0.413	0.745	9.72	3.571

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 26.0 Month: 01 1

\* File 1, Run 1, Scenario 26.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 26.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.54	3.64	3.79	3.69	7.35	0.417	0.396	0.715	9.30	3.544
Exhaust emissions (g/mi):										

## 2015PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.54	3.64	3.79	3.69		0.417	0.396		9.304	
CO Total Exhaust:	3.54	3.64	3.79	3.69	7.35	0.417	0.396	0.715	9.30	3.544

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 27.0 Month: 01 1

\* File 1, Run 1, Scenario 27.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 27.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.52	3.63	3.77	3.67	7.07	0.401	0.381	0.688	8.92	3.519

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.52	3.63	3.77	3.67		0.401	0.381		8.922	
CO Total Exhaust:	3.52	3.63	3.77	3.67	7.07	0.401	0.381	0.688	8.92	3.519

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 28.0 Month: 01 1

\* File 1, Run 1, Scenario 28.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 28.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

2015PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.61	3.76	3.65	6.81	0.386	0.367	0.662	8.57	3.495

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.50	3.61	3.76	3.65		0.386	0.367		8.568	
CO Total Exhaust:	3.50	3.61	3.76	3.65	6.81	0.386	0.367	0.662	8.57	3.495

---

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 29.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 29.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	3.49	3.60	3.74	3.64	6.57	0.372	0.354	0.638	8.24	3.474

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.49	3.60	3.74	3.64		0.372	0.354		8.238	
CO Total Exhaust:	3.49	3.60	3.74	3.64	6.57	0.372	0.354	0.638	8.24	3.474

---

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 30.0 Month: 01 1  
 \* File 1, Run 1, Scenario 30.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 30.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
---------------	------	--------	--------	------	------	------	------	------	----	---------

GVWR:					2015PG. OUT					
	-----	<6000	>6000	(All)	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.47	3.58	3.73	3.62	6.34	0.359	0.342	0.616	7.93	3.453
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.47	3.58	3.73	3.62		0.359	0.342		7.930	
CO Total Exhaust:	3.47	3.58	3.73	3.62	6.34	0.359	0.342	0.616	7.93	3.453

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 31.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:										
	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	<6000	>6000	(All)	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.48	3.60	3.74	3.64	6.17	0.348	0.331	0.597	7.63	3.458
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.48	3.60	3.74	3.64		0.348	0.331		7.631	
CO Total Exhaust:	3.48	3.60	3.74	3.64	6.17	0.348	0.331	0.597	7.63	3.458

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 32.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300



2015PG.OUT

Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.49	3.61	3.75	3.65	6.00	0.338	0.321	0.580	7.35	3.463
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.49	3.61	3.75	3.65		0.338	0.321		7.351	
CO Total Exhaust:	3.49	3.61	3.75	3.65	6.00	0.338	0.321	0.580	7.35	3.463

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 33.0 Month: 01 1  
 \* File 1, Run 1, Scenario 33.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 33.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.62	3.76	3.66	5.84	0.328	0.312	0.563	7.09	3.468
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.50	3.62	3.76	3.66		0.328	0.312		7.088	
CO Total Exhaust:	3.50	3.62	3.76	3.66	5.84	0.328	0.312	0.563	7.09	3.468

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 34.0 Month: 01 1  
 \* File 1, Run 1, Scenario 34.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 34.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes

ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.51	3.63	3.78	3.67	5.69	0.319	0.304	0.548	6.84	3.472
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.51	3.63	3.78	3.67		0.319	0.304		6.840	
CO Total Exhaust:	3.51	3.63	3.78	3.67	5.69	0.319	0.304	0.548	6.84	3.472

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 35.0 Month: 01 1  
\* File 1, Run 1, Scenario 35.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 35.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.52	3.64	3.79	3.68	5.56	0.311	0.296	0.533	6.61	3.476
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.52	3.64	3.79	3.68		0.311	0.296		6.606	
CO Total Exhaust:	3.52	3.64	3.79	3.68	5.56	0.311	0.296	0.533	6.61	3.476

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 36.0 Month: 01 1  
\* File 1, Run 1, Scenario 36.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 36.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.59	3.71	3.86	3.76	5.46	0.304	0.289	0.522	6.40	3.536
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.59	3.71	3.86	3.76		0.304	0.289		6.402	
CO Total Exhaust:	3.59	3.71	3.86	3.76	5.46	0.304	0.289	0.522	6.40	3.536

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 37.0 Month: 01 1

\* File 1, Run 1, Scenario 37.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.66	3.78	3.93	3.82	5.38	0.298	0.284	0.512	6.21	3.594
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.66	3.78	3.93	3.82		0.298	0.284		6.209	
CO Total Exhaust:	3.66	3.78	3.93	3.82	5.38	0.298	0.284	0.512	6.21	3.594

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 38.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.72	3.85	3.99	3.89	5.29	0.292	0.278	0.502	6.03	3.648
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.72	3.85	3.99	3.89		0.292	0.278		6.025	
CO Total Exhaust:	3.72	3.85	3.99	3.89	5.29	0.292	0.278	0.502	6.03	3.648

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 39.0 Month: 01 1

\* File 1, Run 1, Scenario 39.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 39.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.77	3.91	4.06	3.95	5.22	0.287	0.273	0.492	5.85	3.700
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.77	3.91	4.06	3.95		0.287	0.273		5.852	
CO Total Exhaust:	3.77	3.91	4.06	3.95	5.22	0.287	0.273	0.492	5.85	3.700

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 40.0 Month: 01 1

\* File 1, Run 1, Scenario 40.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 40.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VTM Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.83	3.97	4.12	4.01	5.14	0.282	0.268	0.483	5.69	3.749
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.83	3.97	4.12	4.01		0.282	0.268		5.687	
CO Total Exhaust:	3.83	3.97	4.12	4.01	5.14	0.282	0.268	0.483	5.69	3.749

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 41.0 Month: 01 1

\* File 1, Run 1, Scenario 41.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VTM Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.90	4.04	4.19	4.08	5.12	0.278	0.265	0.478	5.56	3.811
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	4.04	4.19	4.08		0.278	0.265		5.559	
CO Total Exhaust:	3.90	4.04	4.19	4.08	5.12	0.278	0.265	0.478	5.56	3.811

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 42.0 Month: 01 1

\* File 1, Run 1, Scenario 42.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.96	4.10	4.26	4.15	5.09	0.275	0.262	0.472	5.44	3.871
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.96	4.10	4.26	4.15		0.275	0.262		5.438	
CO Total Exhaust:	3.96	4.10	4.26	4.15	5.09	0.275	0.262	0.472	5.44	3.871

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 43.0 Month: 01 1  
\* File 1, Run 1, Scenario 43.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 43.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.02	4.17	4.32	4.21	5.07	0.273	0.259	0.467	5.32	3.927
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.02	4.17	4.32	4.21		0.273	0.259		5.322	
CO Total Exhaust:	4.02	4.17	4.32	4.21	5.07	0.273	0.259	0.467	5.32	3.927

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 44.0 Month: 01 1  
\* File 1, Run 1, Scenario 44.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 44.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.08	4.23	4.39	4.28	5.05	0.270	0.256	0.463	5.21	3.981
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.08	4.23	4.39	4.28		0.270	0.256		5.212	
CO Total Exhaust:	4.08	4.23	4.39	4.28	5.05	0.270	0.256	0.463	5.21	3.981

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 45.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.14	4.29	4.45	4.34	5.03	0.267	0.254	0.458	5.11	4.032
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.14	4.29	4.45	4.34		0.267	0.254		5.106	
CO Total Exhaust:	4.14	4.29	4.45	4.34	5.03	0.267	0.254	0.458	5.11	4.032

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 46.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway

type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.20	4.36	4.52	4.41	5.06	0.267	0.254	0.457	5.05	4.096
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.20	4.36	4.52	4.41		0.267	0.254		5.055	
CO Total Exhaust:	4.20	4.36	4.52	4.41	5.06	0.267	0.254	0.457	5.05	4.096

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 47.0 Month: 01 1

\* File 1, Run 1, Scenario 47.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 47.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.27	4.43	4.59	4.47	5.10	0.266	0.253	0.457	5.01	4.157
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.27	4.43	4.59	4.47		0.266	0.253		5.005	
CO Total Exhaust:	4.27	4.43	4.59	4.47	5.10	0.266	0.253	0.457	5.01	4.157

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 48.0 Month: 01 1

\* File 1, Run 1, Scenario 48.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial



## M583 Warning:

The user supplied arterial average speed of 48.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.33	4.49	4.65	4.54	5.13	0.266	0.253	0.456	4.96	4.215
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.33	4.49	4.65	4.54		0.266	0.253		4.958	
CO Total Exhaust:	4.33	4.49	4.65	4.54	5.13	0.266	0.253	0.456	4.96	4.215

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 49.0 Month: 01 1

\* File 1, Run 1, Scenario 49.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial

## M583 Warning:

The user supplied arterial average speed of 49.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.39	4.56	4.71	4.60	5.16	0.265	0.252	0.455	4.91	4.271
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.39	4.56	4.71	4.60		0.265	0.252		4.912	
CO Total Exhaust:	4.39	4.56	4.71	4.60	5.16	0.265	0.252	0.455	4.91	4.271

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 50.0 Month: 01 1

\* File 1, Run 1, Scenario 50.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 50.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.44	4.61	4.78	4.66	5.19	0.265	0.252	0.455	4.87	4.324
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.44	4.61	4.78	4.66		0.265	0.252		4.869	
CO Total Exhaust:	4.44	4.61	4.78	4.66	5.19	0.265	0.252	0.455	4.87	4.324

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 51.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 51.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.51	4.68	4.85	4.73	5.30	0.267	0.254	0.458	4.87	4.389
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.51	4.68	4.85	4.73		0.267	0.254		4.869	

CO Total Exhaust: 4.51 4.68 4.85 4.73 2015PG. OUT 5.30 0.267 0.254 0.458 4.87 4.389

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 52.0 Month: 01 1  
 \* File 1, Run 1, Scenario 52.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 52.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.57	4.75	4.91	4.80	5.39	0.269	0.256	0.462	4.87	4.452
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.57	4.75	4.91	4.80		0.269	0.256		4.869	
CO Total Exhaust:	4.57	4.75	4.91	4.80	5.39	0.269	0.256	0.462	4.87	4.452

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 53.0 Month: 01 1  
 \* File 1, Run 1, Scenario 53.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.63	4.82	4.98	4.86	5.49	0.271	0.258	0.465	4.87	4.512

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.63	4.82	4.98	4.86		0.271	0.258		4.869	
CO Total Exhaust:	4.63	4.82	4.98	4.86	5.49	0.271	0.258	0.465	4.87	4.512

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 54.0 Month: 01 1

\* File 1, Run 1, Scenario 54.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial

## M583 Warning:

The user supplied arterial average speed of 54.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

## LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

Composite Emission Factors (g/mi):

Composite CO :	4.69	4.88	5.04	4.93	5.58	0.273	0.260	0.469	4.87	4.569
----------------	------	------	------	------	------	-------	-------	-------	------	-------

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.69	4.88	5.04	4.93		0.273	0.260		4.869	
CO Total Exhaust:	4.69	4.88	5.04	4.93	5.58	0.273	0.260	0.469	4.87	4.569

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 55.0 Month: 01 1

\* File 1, Run 1, Scenario 55.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial

## M583 Warning:

The user supplied arterial average speed of 55.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

## LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

## 2015PG. OUT

-----  
 Composite Emission Factors (g/mi):  
 Composite CO : 4.75 4.94 5.11 4.99 5.67 0.275 0.262 0.472 4.87 4.625  
 -----

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.75	4.94	5.11	4.99		0.275	0.262		4.869	
CO Total Exhaust:	4.75	4.94	5.11	4.99	5.67	0.275	0.262	0.472	4.87	4.625

-----

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 56.0 Month: 01 1

\* File 1, Run 1, Scenario 56.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 56.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

-----  
 Composite Emission Factors (g/mi):  
 Composite CO : 4.81 5.01 5.18 5.06 5.85 0.280 0.267 0.481 6.13 4.698  
 -----

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.81	5.01	5.18	5.06		0.280	0.267		6.125	
CO Total Exhaust:	4.81	5.01	5.18	5.06	5.85	0.280	0.267	0.481	6.13	4.698

-----

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 57.0 Month: 01 1

\* File 1, Run 1, Scenario 57.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	2015PG. OUT HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.88	5.08	5.24	5.13	6.03	0.285	0.271	0.489	7.34	4.768

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.88	5.08	5.24	5.13		0.285	0.271		7.337	
CO Total Exhaust:	4.88	5.08	5.24	5.13	6.03	0.285	0.271	0.489	7.34	4.768

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 58.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.94	5.14	5.31	5.19	6.21	0.290	0.276	0.498	8.51	4.835

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.94	5.14	5.31	5.19		0.290	0.276		8.508	
CO Total Exhaust:	4.94	5.14	5.31	5.19	6.21	0.290	0.276	0.498	8.51	4.835

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 59.0 Month: 01 1  
 \* File 1, Run 1, Scenario 59.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 59.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

2015PG.OUT

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.00	5.20	5.37	5.25	6.37	0.295	0.280	0.505	9.64	4.901

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.00	5.20	5.37	5.25		0.295	0.280		9.639	
CO Total Exhaust:	5.00	5.20	5.37	5.25	6.37	0.295	0.280	0.505	9.64	4.901

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 60.0 Month: 01 1  
 \* File 1, Run 1, Scenario 60.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 60.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.05	5.26	5.43	5.31	6.54	0.299	0.284	0.513	10.73	4.964

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.05	5.26	5.43	5.31		0.299	0.284		10.732	
CO Total Exhaust:	5.05	5.26	5.43	5.31	6.54	0.299	0.284	0.513	10.73	4.964

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 61.0 Month: 01 1  
 \* File 1, Run 1, Scenario 61.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 61.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes

Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.12	5.33	5.51	5.38	6.84	0.308	0.293	0.528	11.98	5.039
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.12	5.33	5.51	5.38		0.308	0.293		11.981	
CO Total Exhaust:	5.12	5.33	5.51	5.38	6.84	0.308	0.293	0.528	11.98	5.039

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 62.0 Month: 01 1  
 \* File 1, Run 1, Scenario 62.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 62.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.18	5.40	5.57	5.45	7.13	0.316	0.301	0.543	13.19	5.112
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.18	5.40	5.57	5.45		0.316	0.301		13.190	
CO Total Exhaust:	5.18	5.40	5.57	5.45	7.13	0.316	0.301	0.543	13.19	5.112

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 63.0 Month: 01 1  
 \* File 1, Run 1, Scenario 63.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 63.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi



Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.24	5.47	5.64	5.52	7.42	0.325	0.309	0.557	14.36	5.182
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.24	5.47	5.64	5.52		0.325	0.309		14.361	
CO Total Exhaust:	5.24	5.47	5.64	5.52	7.42	0.325	0.309	0.557	14.36	5.182

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 64.0 Month: 01 1

\* File 1, Run 1, Scenario 64.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 64.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.30	5.53	5.70	5.58	7.70	0.332	0.316	0.570	15.50	5.250
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.30	5.53	5.70	5.58		0.332	0.316		15.495	
CO Total Exhaust:	5.30	5.53	5.70	5.58	7.70	0.332	0.316	0.570	15.50	5.250

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 65.0 Month: 01 1

\* File 1, Run 1, Scenario 65.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 65.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.36	5.59	5.76	5.64	7.96	0.340	0.323	0.584	16.59	5.316
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.36	5.59	5.76	5.64		0.340	0.323		16.595	
CO Total Exhaust:	5.36	5.59	5.76	5.64	7.96	0.340	0.323	0.584	16.59	5.316

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 1.00 Month: 01 1  
 \* File 1, Run 1, Scenario 66.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp  
 M 52 Warning: 1.00 speed increased to 2.5 mph minimum  
 M581 Warning:  
 The user supplied freeway average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.072	90.19	15.134
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	15.26	14.89	15.50	15.07		1.791	1.703		90.192	
CO Total Exhaust:	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.072	90.19	15.134

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 67.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp  
 M 52 Warning: 2.00 speed increased to 2.5 mph minimum  
 M581 Warning:  
 The user supplied freeway average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:

there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.072	90.19	15.134
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	15.26	14.89	15.50	15.07		1.791	1.703		90.192	
CO Total Exhaust:	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.072	90.19	15.134

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 68.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	12.97	12.73	13.25	12.88	32.78	1.681	1.599	2.884	77.45	12.988
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	12.97	12.73	13.25	12.88		1.681	1.599		77.447	
CO Total Exhaust:	12.97	12.73	13.25	12.88	32.78	1.681	1.599	2.884	77.45	12.988

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 4.00 Month: 01 1  
 \* File 1, Run 1, Scenario 69.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.11	10.04	10.44	10.15	29.84	1.544	1.468	2.649	61.52	10.307
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.11	10.04	10.44	10.15		1.544	1.468		61.516	
CO Total Exhaust:	10.11	10.04	10.44	10.15	29.84	1.544	1.468	2.649	61.52	10.307

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 5.00 Month: 01 1

\* File 1, Run 1, Scenario 70.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.39	8.42	8.76	8.52	28.07	1.462	1.390	2.508	51.96	8.698
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.39	8.42	8.76	8.52		1.462	1.390		51.957	
CO Total Exhaust:	8.39	8.42	8.76	8.52	28.07	1.462	1.390	2.508	51.96	8.698

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 6.00 Month: 01 1

\* File 1, Run 1, Scenario 71.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 6.0  
 will be used for all hours of the day. 100% of VMT

has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.18	7.24	7.54	7.33	24.94	1.311	1.246	2.248	42.96	7.483
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.18	7.24	7.54	7.33		1.311	1.246		42.958	
CO Total Exhaust:	7.18	7.24	7.54	7.33	24.94	1.311	1.246	2.248	42.96	7.483

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 7.00 Month: 01 1

\* File 1, Run 1, Scenario 72.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 7.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.32	6.40	6.66	6.47	22.70	1.203	1.143	2.063	36.53	6.614
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.32	6.40	6.66	6.47		1.203	1.143		36.531	
CO Total Exhaust:	6.32	6.40	6.66	6.47	22.70	1.203	1.143	2.063	36.53	6.614

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 73.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp 2015PG. OUT  
SCENARIO: 73 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 8.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.67	5.77	6.01	5.84	21.03	1.122	1.066	1.924	31.71	5.963
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.67	5.77	6.01	5.84		1.122	1.066		31.710	
CO Total Exhaust:	5.67	5.77	6.01	5.84	21.03	1.122	1.066	1.924	31.71	5.963

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 9.00 Month: 01 1  
\* File 1, Run 1, Scenario 74.

\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 9.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.16	5.28	5.50	5.34	19.72	1.058	1.006	1.816	27.96	5.457
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.16	5.28	5.50	5.34		1.058	1.006		27.961	
CO Total Exhaust:	5.16	5.28	5.50	5.34	19.72	1.058	1.006	1.816	27.96	5.457

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 10.0 Month: 01 1  
 \* File 1, Run 1, Scenario 75.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.76	4.88	5.09	4.94	18.68	1.008	0.959	1.729	24.96	5.052
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.76	4.88	5.09	4.94		1.008	0.959		24.961	
CO Total Exhaust:	4.76	4.88	5.09	4.94	18.68	1.008	0.959	1.729	24.96	5.052

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 11.0 Month: 01 1  
 \* File 1, Run 1, Scenario 76.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 11.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.49	4.60	4.80	4.66	17.16	0.932	0.886	1.598	22.58	4.746
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	

2015PG. OUT

CO Running:	4.49	4.60	4.80	4.66	0.932	0.886	22.575		
CO Total Exhaust:	4.49	4.60	4.80	4.66	17.16	0.932	0.886	1.598	22.58 4.746

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 77.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 12.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

Composite Emission Factors (g/mi):

Composite CO :	4.26	4.37	4.56	4.43	15.90	0.868	0.825	1.488	20.59	4.492
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.26	4.37	4.56	4.43		0.868	0.825		20.587	
CO Total Exhaust:	4.26	4.37	4.56	4.43	15.90	0.868	0.825	1.488	20.59	4.492

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 78.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 13.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

Composite Emission Factors (g/mi):

Composite CO :	4.06	4.18	4.35	4.23	14.84	0.814	0.774	1.396	18.90	4.276
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------



## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.06	4.18	4.35	4.23		0.814	0.774		18.904	
CO Total Exhaust:	4.06	4.18	4.35	4.23	14.84	0.814	0.774	1.396	18.90	4.276

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 14.0 Month: 01 1

\* File 1, Run 1, Scenario 79.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 14.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite CO :	3.90	4.01	4.18	4.06	13.92	0.768	0.730	1.317	17.46	4.092
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	4.01	4.18	4.06		0.768	0.730		17.462	
CO Total Exhaust:	3.90	4.01	4.18	4.06	13.92	0.768	0.730	1.317	17.46	4.092

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 15.0 Month: 01 1

\* File 1, Run 1, Scenario 80.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 15.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.3508	0.3968	0.1622		2015PG. OUT 0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.75	3.86	4.03	3.91	13.13	0.727	0.692	1.248	16.21	3.932
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.75	3.86	4.03	3.91		0.727	0.692		16.213	
CO Total Exhaust:	3.75	3.86	4.03	3.91	13.13	0.727	0.692	1.248	16.21	3.932
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 81.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Alt Veh
GVWR:		<6000	>6000	(Alt)						
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.72	3.83	3.99	3.87	12.28	0.683	0.649	1.171	15.21	3.872
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.72	3.83	3.99	3.87		0.683	0.649		15.206	
CO Total Exhaust:	3.72	3.83	3.99	3.87	12.28	0.683	0.649	1.171	15.21	3.872
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 82.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

## 2015PG. OUT

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.68	3.79	3.95	3.84	11.54	0.644	0.612	1.104	14.32	3.819
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.68	3.79	3.95	3.84		0.644	0.612		14.317	
CO Total Exhaust:	3.68	3.79	3.95	3.84	11.54	0.644	0.612	1.104	14.32	3.819

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 18.0 Month: 01 1

\* File 1, Run 1, Scenario 83.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 18.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.66	3.77	3.92	3.81	10.88	0.609	0.579	1.044	13.53	3.772
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.66	3.77	3.92	3.81		0.609	0.579		13.528	
CO Total Exhaust:	3.66	3.77	3.92	3.81	10.88	0.609	0.579	1.044	13.53	3.772

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 19.0 Month: 01 1

\* File 1, Run 1, Scenario 84.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 19.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.63	3.74	3.90	3.79	10.28	0.577	0.549	0.991	12.82	3.730
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.63	3.74	3.90	3.79		0.577	0.549		12.821	
CO Total Exhaust:	3.63	3.74	3.90	3.79	10.28	0.577	0.549	0.991	12.82	3.730
-----										

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 20.0 Month: 01 1

\* File 1, Run 1, Scenario 85.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.61	3.72	3.87	3.76	9.75	0.549	0.522	0.942	12.19	3.692
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.61	3.72	3.87	3.76		0.549	0.522		12.185	
CO Total Exhaust:	3.61	3.72	3.87	3.76	9.75	0.549	0.522	0.942	12.19	3.692
-----										

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 86.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 21.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.59	3.70	3.85	3.74	9.25	0.522	0.496	0.895	11.60	3.657
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.59	3.70	3.85	3.74		0.522	0.496		11.597	
CO Total Exhaust:	3.59	3.70	3.85	3.74	9.25	0.522	0.496	0.895	11.60	3.657

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 87.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 22.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.57	3.68	3.83	3.72	8.80	0.497	0.473	0.853	11.06	3.625
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.57	3.68	3.83	3.72		0.497	0.473		11.063	
CO Total Exhaust:	3.57	3.68	3.83	3.72	8.80	0.497	0.473	0.853	11.06	3.625

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 88.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 23.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.55	3.66	3.81	3.71	8.38	0.474	0.451	0.814	10.57	3.596
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.55	3.66	3.81	3.71		0.474	0.451		10.575	
CO Total Exhaust:	3.55	3.66	3.81	3.71	8.38	0.474	0.451	0.814	10.57	3.596

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 89.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 24.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.54	3.65	3.80	3.69	8.00	0.453	0.431	0.778	10.13	3.569
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.54	3.65	3.80	3.69		0.453	0.431		10.128	
CO Total Exhaust:	3.54	3.65	3.80	3.69	8.00	0.453	0.431	0.778	10.13	3.569

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 25.0 Month: 01 1

\* File 1, Run 1, Scenario 90.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 25.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.

Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.52	3.63	3.78	3.68	7.65	0.434	0.413	0.745	9.72	3.545
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.52	3.63	3.78	3.68		0.434	0.413		9.716	
CO Total Exhaust:	3.52	3.63	3.78	3.68	7.65	0.434	0.413	0.745	9.72	3.545

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 26.0 Month: 01 1

\* File 1, Run 1, Scenario 91.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.51	3.62	3.77	3.66	7.35	0.417	0.396	0.715	9.30	3.523
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.51	3.62	3.77	3.66		0.417	0.396		9.304	
CO Total Exhaust:	3.51	3.62	3.77	3.66	7.35	0.417	0.396	0.715	9.30	3.523

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 27.0 Month: 01 1

\* File 1, Run 1, Scenario 92.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.61	3.75	3.65	7.07	0.401	0.381	0.688	8.92	3.502
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.50	3.61	3.75	3.65		0.401	0.381		8.922	
CO Total Exhaust:	3.50	3.61	3.75	3.65	7.07	0.401	0.381	0.688	8.92	3.502

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 28.0 Month: 01 1  
 \* File 1, Run 1, Scenario 93.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.49	3.60	3.74	3.64	6.81	0.386	0.367	0.662	8.57	3.483
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.49	3.60	3.74	3.64		0.386	0.367		8.568	
CO Total Exhaust:	3.49	3.60	3.74	3.64	6.81	0.386	0.367	0.662	8.57	3.483

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 94.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.



M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.48	3.59	3.73	3.63	6.57	0.372	0.354	0.638	8.24	3.465
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.48	3.59	3.73	3.63		0.372	0.354		8.238	
CO Total Exhaust:	3.48	3.59	3.73	3.63	6.57	0.372	0.354	0.638	8.24	3.465

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 30.0 Month: 01 1  
\* File 1, Run 1, Scenario 95.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 30.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.47	3.58	3.72	3.62	6.34	0.359	0.342	0.616	7.93	3.449
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.47	3.58	3.72	3.62		0.359	0.342		7.930	
CO Total Exhaust:	3.47	3.58	3.72	3.62	6.34	0.359	0.342	0.616	7.93	3.449

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 31.0 Month: 01 1  
\* File 1, Run 1, Scenario 96.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 31.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.48	3.59	3.74	3.63	6.17	0.348	0.331	0.597	7.63	3.455
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.48	3.59	3.74	3.63		0.348	0.331		7.631	
CO Total Exhaust:	3.48	3.59	3.74	3.63	6.17	0.348	0.331	0.597	7.63	3.455

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 32.0 Month: 01 1

\* File 1, Run 1, Scenario 97.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 32.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.49	3.60	3.75	3.65	6.00	0.338	0.321	0.580	7.35	3.460
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.49	3.60	3.75	3.65		0.338	0.321		7.351	
CO Total Exhaust:	3.49	3.60	3.75	3.65	6.00	0.338	0.321	0.580	7.35	3.460

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 33.0 Month: 01 1

\* File 1, Run 1, Scenario 98.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 33.0

will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.62	3.76	3.66	5.84	0.328	0.312	0.563	7.09	3.466
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.50	3.62	3.76	3.66		0.328	0.312		7.088	
CO Total Exhaust:	3.50	3.62	3.76	3.66	5.84	0.328	0.312	0.563	7.09	3.466

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 99.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 34.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.51	3.63	3.77	3.67	5.69	0.319	0.304	0.548	6.84	3.471
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.51	3.63	3.77	3.67		0.319	0.304		6.840	
CO Total Exhaust:	3.51	3.63	3.77	3.67	5.69	0.319	0.304	0.548	6.84	3.471

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 100.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.52	3.64	3.79	3.68	5.56	0.311	0.296	0.533	6.61	3.476
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.52	3.64	3.79	3.68		0.311	0.296		6.606	
CO Total Exhaust:	3.52	3.64	3.79	3.68	5.56	0.311	0.296	0.533	6.61	3.476

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 101.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.59	3.71	3.86	3.76	5.46	0.304	0.289	0.522	6.40	3.536
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.59	3.71	3.86	3.76		0.304	0.289		6.402	
CO Total Exhaust:	3.59	3.71	3.86	3.76	5.46	0.304	0.289	0.522	6.40	3.536

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 37.0 Month: 01 1

\* File 1, Run 1, Scenario 102.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 37.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.66	3.78	3.93	3.82	5.38	0.298	0.284	0.512	6.21	3.594
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.66	3.78	3.93	3.82		0.298	0.284		6.209	
CO Total Exhaust:	3.66	3.78	3.93	3.82	5.38	0.298	0.284	0.512	6.21	3.594

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 103.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 38.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.72	3.85	3.99	3.89	5.29	0.292	0.278	0.502	6.03	3.648
Exhaust emissions (g/mi):										

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CO Start:	0.00	0.00	0.00	0.00	0.000	0.000		0.000		
CO Running:	3.72	3.85	3.99	3.89	0.292	0.278		6.025		
CO Total Exhaust:	3.72	3.85	3.99	3.89	5.29	0.292	0.278	0.502	6.03	3.648

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 39.0 Month: 01 1  
 \* File 1, Run 1, Scenario 104.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.77	3.91	4.06	3.95	5.22	0.287	0.273	0.492	5.85	3.700
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.77	3.91	4.06	3.95		0.287	0.273		5.852	
CO Total Exhaust:	3.77	3.91	4.06	3.95	5.22	0.287	0.273	0.492	5.85	3.700

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 40.0 Month: 01 1  
 \* File 1, Run 1, Scenario 105.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.83	3.97	4.12	4.01	2015PG. OUT 5.14	0.282	0.268	0.483	5.69	3.749
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.83	3.97	4.12	4.01		0.282	0.268		5.687	
CO Total Exhaust:	3.83	3.97	4.12	4.01	5.14	0.282	0.268	0.483	5.69	3.749
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 106.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.90	4.04	4.19	4.08	5.12	0.278	0.265	0.478	5.56	3.811
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	4.04	4.19	4.08		0.278	0.265		5.559	
CO Total Exhaust:	3.90	4.04	4.19	4.08	5.12	0.278	0.265	0.478	5.56	3.811
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 42.0 Month: 01 1  
 \* File 1, Run 1, Scenario 107.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2015PG. OUT

VTM Distribution:	0.3508	0.3968	0.1622	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	3.96	4.10	4.26	4.15	5.09	0.275	0.262	0.472	5.44	3.871
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000		
CO Running:	3.96	4.10	4.26	4.15	0.275	0.262	0.262	0.472	5.438	
CO Total Exhaust:	3.96	4.10	4.26	4.15	5.09	0.275	0.262	0.472	5.44	3.871

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 108.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No  
 Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
---------------	------	-----------------	-----------------	---------------	------	------	------	------	----	---------

VTM Distribution:	0.3508	0.3968	0.1622	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	4.02	4.17	4.32	4.21	5.07	0.273	0.259	0.467	5.32	3.927
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000		
CO Running:	4.02	4.17	4.32	4.21	0.273	0.259	0.259	0.467	5.322	
CO Total Exhaust:	4.02	4.17	4.32	4.21	5.07	0.273	0.259	0.467	5.32	3.927

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 109.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No  
 Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035



Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.08	4.23	4.39	4.28	5.05	0.270	0.256	0.463	5.21	3.981
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.08	4.23	4.39	4.28		0.270	0.256		5.212	
CO Total Exhaust:	4.08	4.23	4.39	4.28	5.05	0.270	0.256	0.463	5.21	3.981

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 110.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.14	4.29	4.45	4.34	5.03	0.267	0.254	0.458	5.11	4.032
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.14	4.29	4.45	4.34		0.267	0.254		5.106	
CO Total Exhaust:	4.14	4.29	4.45	4.34	5.03	0.267	0.254	0.458	5.11	4.032

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 111.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.20	4.36	4.52	4.41	5.06	0.267	0.254	0.457	5.05	4.096
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.20	4.36	4.52	4.41		0.267	0.254		5.055	
CO Total Exhaust:	4.20	4.36	4.52	4.41	5.06	0.267	0.254	0.457	5.05	4.096

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 47.0 Month: 01 1  
 \* File 1, Run 1, Scenario 112.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 47.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.27	4.43	4.59	4.47	5.10	0.266	0.253	0.457	5.01	4.157
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.27	4.43	4.59	4.47		0.266	0.253		5.005	
CO Total Exhaust:	4.27	4.43	4.59	4.47	5.10	0.266	0.253	0.457	5.01	4.157

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 48.0 Month: 01 1  
 \* File 1, Run 1, Scenario 113.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 48.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.33	4.49	4.65	4.54	5.13	0.266	0.253	0.456	4.96	4.215
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.33	4.49	4.65	4.54		0.266	0.253		4.958	
CO Total Exhaust:	4.33	4.49	4.65	4.54	5.13	0.266	0.253	0.456	4.96	4.215

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 49.0 Month: 01 1  
 \* File 1, Run 1, Scenario 114.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 49.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.39	4.56	4.71	4.60	5.16	0.265	0.252	0.455	4.91	4.271
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.39	4.56	4.71	4.60		0.265	0.252		4.912	
CO Total Exhaust:	4.39	4.56	4.71	4.60	5.16	0.265	0.252	0.455	4.91	4.271

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 50.0 Month: 01 1  
 \* File 1, Run 1, Scenario 115.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D  
 Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.44	4.61	4.78	4.66	5.19	0.265	0.252	0.455	4.87	4.324
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.44	4.61	4.78	4.66		0.265	0.252		4.869	
CO Total Exhaust:	4.44	4.61	4.78	4.66	5.19	0.265	0.252	0.455	4.87	4.324

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 51.0 Month: 01 1  
 \* File 1, Run 1, Scenario 116.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 51.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.51	4.68	4.85	4.73	5.30	0.267	0.254	0.458	4.87	4.389
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.51	4.68	4.85	4.73		0.267	0.254		4.869	
CO Total Exhaust:	4.51	4.68	4.85	4.73	5.30	0.267	0.254	0.458	4.87	4.389

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 52.0 Month: 01 1  
 \* File 1, Run 1, Scenario 117.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 52.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015

Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.57	4.75	4.91	4.80	5.39	0.269	0.256	0.462	4.87	4.452
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.57	4.75	4.91	4.80		0.269	0.256		4.869	
CO Total Exhaust:	4.57	4.75	4.91	4.80	5.39	0.269	0.256	0.462	4.87	4.452

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 53.0 Month: 01 1  
 \* File 1, Run 1, Scenario 118.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3508	0.3968	0.1622	-----	0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.63	4.82	4.98	4.86	5.49	0.271	0.258	0.465	4.87	4.512
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.63	4.82	4.98	4.86		0.271	0.258		4.869	
CO Total Exhaust:	4.63	4.82	4.98	4.86	5.49	0.271	0.258	0.465	4.87	4.512

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 54.0 Month: 01 1  
 \* File 1, Run 1, Scenario 119.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 54.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.69	4.88	5.04	4.93	5.58	0.273	0.260	0.469	4.87	4.569
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.69	4.88	5.04	4.93		0.273	0.260		4.869	
CO Total Exhaust:	4.69	4.88	5.04	4.93	5.58	0.273	0.260	0.469	4.87	4.569

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 55.0 Month: 01 1  
 \* File 1, Run 1, Scenario 120.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 55.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.75	4.94	5.11	4.99	5.67	0.275	0.262	0.472	4.87	4.625
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.75	4.94	5.11	4.99		0.275	0.262		4.869	
CO Total Exhaust:	4.75	4.94	5.11	4.99	5.67	0.275	0.262	0.472	4.87	4.625

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 56.0 Month: 01 1  
 \* File 1, Run 1, Scenario 121.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 56.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.81	5.01	5.18	5.06	5.85	0.280	0.267	0.481	6.13	4.698
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.81	5.01	5.18	5.06		0.280	0.267		6.125	
CO Total Exhaust:	4.81	5.01	5.18	5.06	5.85	0.280	0.267	0.481	6.13	4.698

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 57.0 Month: 01 1  
 \* File 1, Run 1, Scenario 122.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.88	5.08	5.24	5.13	6.03	0.285	0.271	0.489	7.34	4.768
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.88	5.08	5.24	5.13		0.285	0.271		7.337	
CO Total Exhaust:	4.88	5.08	5.24	5.13	6.03	0.285	0.271	0.489	7.34	4.768

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 123.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.94	5.14	5.31	5.19	6.21	0.290	0.276	0.498	8.51	4.835
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.94	5.14	5.31	5.19		0.290	0.276		8.508	
CO Total Exhaust:	4.94	5.14	5.31	5.19	6.21	0.290	0.276	0.498	8.51	4.835

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 59.0 Month: 01 1

\* File 1, Run 1, Scenario 124.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 59.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.00	5.20	5.37	5.25	6.37	0.295	0.280	0.505	9.64	4.901
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.00	5.20	5.37	5.25		0.295	0.280		9.639	
CO Total Exhaust:	5.00	5.20	5.37	5.25	6.37	0.295	0.280	0.505	9.64	4.901

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 60.0 Month: 01 1

\* File 1, Run 1, Scenario 125.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp

M581 Warning:



The user supplied freeway average speed of 60.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.05	5.26	5.43	5.31	6.54	0.299	0.284	0.513	10.73	4.964
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.05	5.26	5.43	5.31		0.299	0.284		10.732	
CO Total Exhaust:	5.05	5.26	5.43	5.31	6.54	0.299	0.284	0.513	10.73	4.964

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 61.0 Month: 01 1

\* File 1, Run 1, Scenario 126.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 61.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.12	5.33	5.51	5.38	6.84	0.308	0.293	0.528	11.98	5.039
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.12	5.33	5.51	5.38		0.308	0.293		11.981	
CO Total Exhaust:	5.12	5.33	5.51	5.38	6.84	0.308	0.293	0.528	11.98	5.039

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 62.0 Month: 01 1

\* File 1, Run 1, Scenario 127.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 62.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.18	5.40	5.57	5.45	7.13	0.316	0.301	0.543	13.19	5.112
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.18	5.40	5.57	5.45		0.316	0.301		13.190	
CO Total Exhaust:	5.18	5.40	5.57	5.45	7.13	0.316	0.301	0.543	13.19	5.112

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 63.0 Month: 01 1

\* File 1, Run 1, Scenario 128.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 63.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.24	5.47	5.64	5.52	7.42	0.325	0.309	0.557	14.36	5.182
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.24	5.47	5.64	5.52		0.325	0.309		14.361	
CO Total Exhaust:	5.24	5.47	5.64	5.52	7.42	0.325	0.309	0.557	14.36	5.182

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 64.0 Month: 01 1

\* File 1, Run 1, Scenario 129.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 64.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.30	5.53	5.70	5.58	7.70	0.332	0.316	0.570	15.50	5.250
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.30	5.53	5.70	5.58		0.332	0.316		15.495	
CO Total Exhaust:	5.30	5.53	5.70	5.58	7.70	0.332	0.316	0.570	15.50	5.250

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 65.0 Month: 01 1

\* File 1, Run 1, Scenario 130.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 65.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.36	5.59	5.76	5.64	7.96	0.340	0.323	0.584	16.59	5.316
Exhaust emissions (g/mi):										

## 2015PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.36	5.59	5.76	5.64		0.340	0.323		16.595	
CO Total Exhaust:	5.36	5.59	5.76	5.64	7.96	0.340	0.323	0.584	16.59	5.316

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 34.6 Month: 01 1

\* File 1, Run 1, Scenario 131.

\* #####

\*FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: EXT\_DATA\VMT\_FAC\FV4.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite CO :	6.58	6.35	6.44	6.37	5.60	0.314	0.299	0.539	6.63	6.056
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.58	6.35	6.44	6.37		0.314	0.299		6.629	
CO Total Exhaust:	6.58	6.35	6.44	6.37	5.60	0.314	0.299	0.539	6.63	6.056

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 12.9 Month: 01 1

\* File 1, Run 1, Scenario 132.

\* #####

\*FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external

\* data file: EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKCOLD.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

2015PG. OUT  
Composite Emission Factors (g/mi):  
Composite CO : 15.77 15.23 14.03 14.88 15.12 1.395 1.710 1.423 31.21 14.404  
-----  
Exhaust emissions (g/mi):  
CO Start: 12.36 11.66 10.27 11.26 0.566 0.921 12.255  
CO Running: 3.41 3.57 3.76 3.62 0.830 0.789 18.955  
CO Total Exhaust: 15.77 15.23 14.03 14.88 15.12 1.395 1.710 1.423 31.21 14.404  
-----

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 12.9 Month: 01 1  
\* File 1, Run 1, Scenario 133.  
\* #####  
\* FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external  
\* data file: EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKHOT.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3508	0.3968	0.1622		0.0208	0.0017	0.0003	0.0626	0.0048	1.0000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite Emission Factors (g/mi):										
Composite CO :	4.91	5.03	5.07	5.04	15.12	1.019	1.097	1.423	21.06	5.050
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Exhaust emissions (g/mi):										
CO Start:	1.50	1.47	1.31	1.42		0.189	0.308		2.110	
CO Running:	3.41	3.57	3.76	3.62		0.830	0.789		18.955	
CO Total Exhaust:	4.91	5.03	5.07	5.04	15.12	1.019	1.097	1.423	21.06	5.050
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 12.9 Month: 01 1  
\* File 1, Run 1, Scenario 134.  
\* #####  
\* FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external  
\* data file: EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	3.41	3.57	3.76	3.62	15.13	0.830	0.789	1.429	18.95	3.638
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.41	3.57	3.76	3.62		0.830	0.789		18.955	
CO Total Exhaust:	3.41	3.57	3.76	3.62	15.13	0.830	0.789	1.429	18.95	3.638

---

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 1.00 Month: 01 1  
 \* File 1, Run 1, Scenario 135.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc  
 M 52 Warning: 1.00 speed increased to 2.5 mph minimum  
 M583 Warning:

The user supplied arterial average speed of 2.5 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.085	90.19	15.427
----------------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	15.26	14.89	15.50	15.07		1.791	1.703		90.192	
CO Total Exhaust:	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.085	90.19	15.427

---

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 136.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 M 52 Warning: 2.00 speed increased to 2.5 mph minimum  
 M583 Warning:

The user supplied arterial average speed of 2.5 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes

ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.085	90.19	15.427
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	15.26	14.89	15.50	15.07		1.791	1.703		90.192	
CO Total Exhaust:	15.26	14.89	15.50	15.07	35.14	1.791	1.703	3.085	90.19	15.427

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 3.00 Month: 01 1  
\* File 1, Run 1, Scenario 137.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 3.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	12.97	12.73	13.25	12.88	32.79	1.681	1.598	2.896	77.45	13.180
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	12.97	12.73	13.25	12.88		1.681	1.598		77.447	
CO Total Exhaust:	12.97	12.73	13.25	12.88	32.79	1.681	1.598	2.896	77.45	13.180

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 4.00 Month: 01 1  
\* File 1, Run 1, Scenario 138.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 4.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.11	10.04	10.45	10.15	29.85	1.544	1.468	2.660	61.52	10.372
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	10.11	10.04	10.45	10.15		1.544	1.468		61.516	
CO Total Exhaust:	10.11	10.04	10.45	10.15	29.85	1.544	1.468	2.660	61.52	10.372

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 5.00 Month: 01 1

\* File 1, Run 1, Scenario 139.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.39	8.42	8.76	8.52	28.08	1.462	1.390	2.518	51.96	8.687
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	8.39	8.42	8.76	8.52		1.462	1.390		51.957	
CO Total Exhaust:	8.39	8.42	8.76	8.52	28.08	1.462	1.390	2.518	51.96	8.687

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 6.00 Month: 01 1

\* File 1, Run 1, Scenario 140.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)



Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.33	7.39	7.69	7.48	24.95	1.311	1.246	2.258	42.96	7.604
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	7.33	7.39	7.69	7.48		1.311	1.246		42.958	
CO Total Exhaust:	7.33	7.39	7.69	7.48	24.95	1.311	1.246	2.258	42.96	7.604

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 7.00 Month: 01 1

\* File 1, Run 1, Scenario 141.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.58	6.66	6.93	6.74	22.71	1.203	1.143	2.072	36.53	6.830
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	6.58	6.66	6.93	6.74		1.203	1.143		36.531	
CO Total Exhaust:	6.58	6.66	6.93	6.74	22.71	1.203	1.143	2.072	36.53	6.830

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 142.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 8.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.01	6.11	6.36	6.18	21.03	1.122	1.066	1.932	31.71	6.250
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	6.01	6.11	6.36	6.18		1.122	1.066		31.710	
CO Total Exhaust:	6.01	6.11	6.36	6.18	21.03	1.122	1.066	1.932	31.71	6.250

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 143.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 9.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.57	5.68	5.92	5.75	19.73	1.058	1.006	1.823	27.96	5.798
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	5.57	5.68	5.92	5.75		1.058	1.006		27.961	
CO Total Exhaust:	5.57	5.68	5.92	5.75	19.73	1.058	1.006	1.823	27.96	5.798

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 144.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.22	5.34	5.56	5.41	18.68	1.008	0.958	1.737	24.96	5.437
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	5.22	5.34	5.56	5.41		1.008	0.958		24.961	
CO Total Exhaust:	5.22	5.34	5.56	5.41	18.68	1.008	0.958	1.737	24.96	5.437

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 11.0 Month: 01 1  
\* File 1, Run 1, Scenario 145.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 11.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.96	5.09	5.29	5.14	17.17	0.932	0.886	1.605	22.58	5.164
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.96	5.09	5.29	5.14		0.932	0.886		22.575	
CO Total Exhaust:	4.96	5.09	5.29	5.14	17.17	0.932	0.886	1.605	22.58	5.164

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 12.0 Month: 01 1  
\* File 1, Run 1, Scenario 146.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 12.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.75	4.87	5.07	4.93	15.91	0.868	0.825	1.495	20.59	4.936
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.75	4.87	5.07	4.93		0.868	0.825		20.587	
CO Total Exhaust:	4.75	4.87	5.07	4.93	15.91	0.868	0.825	1.495	20.59	4.936

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 13.0 Month: 01 1  
\* File 1, Run 1, Scenario 147.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 13.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.57	4.69	4.88	4.74	14.84	0.814	0.774	1.402	18.90	4.743
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.57	4.69	4.88	4.74		0.814	0.774		18.904	
CO Total Exhaust:	4.57	4.69	4.88	4.74	14.84	0.814	0.774	1.402	18.90	4.743

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 14.0 Month: 01 1  
\* File 1, Run 1, Scenario 148.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 14.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway

type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.42	4.53	4.72	4.59	13.92	0.768	0.730	1.322	17.46	4.578
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.42	4.53	4.72	4.59		0.768	0.730		17.462	
CO Total Exhaust:	4.42	4.53	4.72	4.59	13.92	0.768	0.730	1.322	17.46	4.578

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 15.0 Month: 01 1

\* File 1, Run 1, Scenario 149.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 15.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.28	4.40	4.57	4.45	13.13	0.727	0.692	1.253	16.21	4.435
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.28	4.40	4.57	4.45		0.727	0.692		16.213	
CO Total Exhaust:	4.28	4.40	4.57	4.45	13.13	0.727	0.692	1.253	16.21	4.435

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 16.0 Month: 01 1

\* File 1, Run 1, Scenario 150.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc

## M583 Warning:

The user supplied arterial average speed of 16.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737	-----	0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.17	4.28	4.45	4.33	12.29	0.683	0.649	1.176	15.21	4.309
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.17	4.28	4.45	4.33		0.683	0.649		15.206	
CO Total Exhaust:	4.17	4.28	4.45	4.33	12.29	0.683	0.649	1.176	15.21	4.309

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 17.0 Month: 01 1

\* File 1, Run 1, Scenario 151.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc

## M583 Warning:

The user supplied arterial average speed of 17.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737	-----	0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.06	4.17	4.34	4.22	11.54	0.644	0.612	1.109	14.32	4.198
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.06	4.17	4.34	4.22		0.644	0.612		14.317	
CO Total Exhaust:	4.06	4.17	4.34	4.22	11.54	0.644	0.612	1.109	14.32	4.198

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 18.0 Month: 01 1

\* File 1, Run 1, Scenario 152.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 18.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737	-----	0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.97	4.08	4.25	4.13	10.88	0.609	0.579	1.049	13.53	4.099
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.97	4.08	4.25	4.13		0.609	0.579		13.528	
CO Total Exhaust:	3.97	4.08	4.25	4.13	10.88	0.609	0.579	1.049	13.53	4.099

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 19.0 Month: 01 1

\* File 1, Run 1, Scenario 153.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 19.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737	-----	0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.89	4.00	4.16	4.04	10.29	0.577	0.549	0.995	12.82	4.011
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.89	4.00	4.16	4.04		0.577	0.549		12.821	

CO Total Exhaust: 3.89 4.00 4.16 4.04 2015PG. OUT 10.29 0.577 0.549 0.995 12.82 4.011

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 154.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737	0.0045	0.0019	0.0003	0.0137	0.0052	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.82	3.92	4.08	3.97	9.75	0.549	0.522	0.946	12.19	3.932
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.82	3.92	4.08	3.97		0.549	0.522		12.185	
CO Total Exhaust:	3.82	3.92	4.08	3.97	9.75	0.549	0.522	0.946	12.19	3.932

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 21.0 Month: 01 1  
 \* File 1, Run 1, Scenario 155.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 21.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737	0.0045	0.0019	0.0003	0.0137	0.0052	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.75	3.86	4.02	3.91	9.25	0.522	0.496	0.899	11.60	3.865



## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.75	3.86	4.02	3.91		0.522	0.496		11.597	
CO Total Exhaust:	3.75	3.86	4.02	3.91	9.25	0.522	0.496	0.899	11.60	3.865

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 156.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 22.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.70	3.80	3.96	3.85	8.80	0.497	0.473	0.856	11.06	3.804
----------------	------	------	------	------	------	-------	-------	-------	-------	-------

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.70	3.80	3.96	3.85		0.497	0.473		11.063	
CO Total Exhaust:	3.70	3.80	3.96	3.85	8.80	0.497	0.473	0.856	11.06	3.804

\* #####

\* St &amp; Cnty: 24033 MY: 2015 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 157.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000

Composite Emission Factors (g/mi):										
Composite CO :	3.65	3.75	3.91	3.80	8.38	0.474	0.451	0.817	10.57	3.748
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.65	3.75	3.91	3.80		0.474	0.451		10.575	
CO Total Exhaust:	3.65	3.75	3.91	3.80	8.38	0.474	0.451	0.817	10.57	3.748

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 24.0 Month: 01 1  
 \* File 1, Run 1, Scenario 158.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.60	3.70	3.86	3.75	8.00	0.453	0.431	0.781	10.13	3.697
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.60	3.70	3.86	3.75		0.453	0.431		10.128	
CO Total Exhaust:	3.60	3.70	3.86	3.75	8.00	0.453	0.431	0.781	10.13	3.697

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 25.0 Month: 01 1  
 \* File 1, Run 1, Scenario 159.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	2015PG. OUT HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.56	3.66	3.81	3.70	7.65	0.434	0.413	0.748	9.72	3.650

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.56	3.66	3.81	3.70		0.434	0.413		9.716	
CO Total Exhaust:	3.56	3.66	3.81	3.70	7.65	0.434	0.413	0.748	9.72	3.650

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 26.0 Month: 01 1  
 \* File 1, Run 1, Scenario 160.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.54	3.64	3.79	3.69	7.35	0.417	0.396	0.718	9.30	3.628

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.54	3.64	3.79	3.69		0.417	0.396		9.304	
CO Total Exhaust:	3.54	3.64	3.79	3.69	7.35	0.417	0.396	0.718	9.30	3.628

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 27.0 Month: 01 1  
 \* File 1, Run 1, Scenario 161.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

2015PG.OUT

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.52	3.63	3.77	3.67	7.07	0.401	0.381	0.691	8.92	3.607
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.52	3.63	3.77	3.67		0.401	0.381		8.922	
CO Total Exhaust:	3.52	3.63	3.77	3.67	7.07	0.401	0.381	0.691	8.92	3.607

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 28.0 Month: 01 1  
\* File 1, Run 1, Scenario 162.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 28.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.  
\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.61	3.76	3.65	6.81	0.386	0.367	0.665	8.57	3.588
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.50	3.61	3.76	3.65		0.386	0.367		8.568	
CO Total Exhaust:	3.50	3.61	3.76	3.65	6.81	0.386	0.367	0.665	8.57	3.588

\* #####  
\* St & Cnty: 24033 MY: 2015 Speed: 29.0 Month: 01 1  
\* File 1, Run 1, Scenario 163.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 29.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.  
\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes

Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.49	3.60	3.74	3.64	6.57	0.372	0.354	0.641	8.24	3.570
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.49	3.60	3.74	3.64		0.372	0.354		8.238	
CO Total Exhaust:	3.49	3.60	3.74	3.64	6.57	0.372	0.354	0.641	8.24	3.570

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 30.0 Month: 01 1  
 \* File 1, Run 1, Scenario 164.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.47	3.58	3.73	3.62	6.34	0.359	0.341	0.619	7.93	3.554
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.47	3.58	3.73	3.62		0.359	0.341		7.930	
CO Total Exhaust:	3.47	3.58	3.73	3.62	6.34	0.359	0.341	0.619	7.93	3.554

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 165.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.48	3.60	3.74	3.64	6.17	0.348	0.331	0.600	7.63	3.563
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.48	3.60	3.74	3.64		0.348	0.331		7.631	
CO Total Exhaust:	3.48	3.60	3.74	3.64	6.17	0.348	0.331	0.600	7.63	3.563

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 32.0 Month: 01 1

\* File 1, Run 1, Scenario 166.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 32.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.49	3.61	3.75	3.65	6.00	0.338	0.321	0.582	7.35	3.572
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.49	3.61	3.75	3.65		0.338	0.321		7.351	
CO Total Exhaust:	3.49	3.61	3.75	3.65	6.00	0.338	0.321	0.582	7.35	3.572

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 33.0 Month: 01 1

\* File 1, Run 1, Scenario 167.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 33.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.50	3.62	3.76	3.66	5.84	0.328	0.312	0.566	7.09	3.581
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.50	3.62	3.76	3.66		0.328	0.312		7.088	
CO Total Exhaust:	3.50	3.62	3.76	3.66	5.84	0.328	0.312	0.566	7.09	3.581

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 34.0 Month: 01 1  
 \* File 1, Run 1, Scenario 168.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 34.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.51	3.63	3.78	3.67	5.70	0.319	0.304	0.550	6.84	3.588
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.51	3.63	3.78	3.67		0.319	0.304		6.840	
CO Total Exhaust:	3.51	3.63	3.78	3.67	5.70	0.319	0.304	0.550	6.84	3.588

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 35.0 Month: 01 1  
 \* File 1, Run 1, Scenario 169.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.52	3.64	3.79	3.68	5.56	0.311	0.296	0.536	6.61	3.596
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.52	3.64	3.79	3.68		0.311	0.296		6.606	
CO Total Exhaust:	3.52	3.64	3.79	3.68	5.56	0.311	0.296	0.536	6.61	3.596

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 170.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.59	3.71	3.86	3.76	5.46	0.304	0.289	0.524	6.40	3.663
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.59	3.71	3.86	3.76		0.304	0.289		6.402	
CO Total Exhaust:	3.59	3.71	3.86	3.76	5.46	0.304	0.289	0.524	6.40	3.663

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 171.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:



there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.66	3.78	3.93	3.82	5.38	0.298	0.284	0.514	6.21	3.727
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.66	3.78	3.93	3.82		0.298	0.284		6.209	
CO Total Exhaust:	3.66	3.78	3.93	3.82	5.38	0.298	0.284	0.514	6.21	3.727

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 172.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.72	3.85	3.99	3.89	5.30	0.292	0.278	0.504	6.03	3.787
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.72	3.85	3.99	3.89		0.292	0.278		6.025	
CO Total Exhaust:	3.72	3.85	3.99	3.89	5.30	0.292	0.278	0.504	6.03	3.787

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 39.0 Month: 01 1  
 \* File 1, Run 1, Scenario 173.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.77	3.91	4.06	3.95	5.22	0.287	0.273	0.494	5.85	3.845
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.77	3.91	4.06	3.95		0.287	0.273		5.852	
CO Total Exhaust:	3.77	3.91	4.06	3.95	5.22	0.287	0.273	0.494	5.85	3.845

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 40.0 Month: 01 1

\* File 1, Run 1, Scenario 174.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.83	3.97	4.12	4.01	5.14	0.282	0.268	0.485	5.69	3.899
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.83	3.97	4.12	4.01		0.282	0.268		5.687	
CO Total Exhaust:	3.83	3.97	4.12	4.01	5.14	0.282	0.268	0.485	5.69	3.899

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 41.0 Month: 01 1

\* File 1, Run 1, Scenario 175.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT

has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.90	4.04	4.19	4.08	5.12	0.278	0.265	0.480	5.56	3.966
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.90	4.04	4.19	4.08		0.278	0.265		5.559	
CO Total Exhaust:	3.90	4.04	4.19	4.08	5.12	0.278	0.265	0.480	5.56	3.966

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 42.0 Month: 01 1

\* File 1, Run 1, Scenario 176.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 42.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2015  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.96	4.10	4.26	4.15	5.09	0.275	0.262	0.474	5.44	4.030
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	3.96	4.10	4.26	4.15		0.275	0.262		5.438	
CO Total Exhaust:	3.96	4.10	4.26	4.15	5.09	0.275	0.262	0.474	5.44	4.030

\* #####

\* St & Cnty: 24033 MY: 2015 Speed: 43.0 Month: 01 1

\* File 1, Run 1, Scenario 177.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial 2015PG. OUT  
 M583 Warning: SCENARIO: 177 RoadType: Art\_Loc

The user supplied arterial average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.02	4.17	4.32	4.21	5.07	0.273	0.259	0.469	5.32	4.091
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.02	4.17	4.32	4.21		0.273	0.259		5.322	
CO Total Exhaust:	4.02	4.17	4.32	4.21	5.07	0.273	0.259	0.469	5.32	4.091

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 178.

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc

M583 Warning: The user supplied arterial average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.08	4.23	4.39	4.28	5.05	0.270	0.256	0.465	5.21	4.150
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.08	4.23	4.39	4.28		0.270	0.256		5.212	
CO Total Exhaust:	4.08	4.23	4.39	4.28	5.05	0.270	0.256	0.465	5.21	4.150

\* #####  
 \* St & Cnty: 24033 MY: 2015 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 179.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2015  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.3756	0.4251	0.1737		0.0045	0.0019	0.0003	0.0137	0.0052	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.14	4.29	4.45	4.34	5.03	0.267	0.254	0.460	5.11	4.206
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.42		0.000	0.000		0.000	
CO Running:	4.14	4.29	4.45	4.34		0.267	0.254		5.106	
CO Total Exhaust:	4.14	4.29	4.45	4.34	5.03	0.267	0.254	0.460	5.11	4.206

```

MOBILE6 INPUT FILE :
> HEADER: State - MD / County - Montgomery

REPORT FILE      : e:\aqprog\mobile62\06mont\2030mont.out REPLACE
Pollutants       : CO
DATABASE OUTPUT  :
WITH FIELDNAMES  :
DAILY OUTPUT     :
EMISSIONS TABLE : e:\aqprog\mobile62\06mont\2030mont.TB1 REPLACE
SPREADSHEET      : e:\aqprog\mobile62\06mont\2030mont.tab REPLACE
AGGREGATED OUTPUT :

RUN DATA       :
>COMMENTS
>24 031

EXPRESS HC AS VOC :
EXPAND EVAPORATIVE :
EXPAND EXHAUST     :
EXPAND BUSES       :

NO REFUELING       :
REBUILD EFFECTS    : 0.90
WE DA TRI LEN DI   : e:\aqprog\mobile62\06mdcom\Ext_Data\Trip_Len\WeekTLD2.WDT
94+ LDG IMP        : e:\aqprog\mobile62\06mdcom\Ext_Data\LEV\NLEVNE.D

FUEL PROGRAM       : 4
300.0 299.0 279.0 259.0 121.0 92.0 33.0 33.0
30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 303.0 303.0 87.0 87.0
80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

* MOBILE6 default winter oxygenated fuel.
OXYGENATED FUELS : 0.7000 0.3000 0.015 0.035 1

* Registration Distribution Source File - EXT_DATA\RDT\R05_MONT.RDT
REG DIST         : e:\aqprog\mobile62\06mdcom\Ext_Data\RDT\R05_MONT.RDT

* Anti-Tampering Program Source File - C:\MWC0G\IM_ATP\MD_ATP_02_MP.ATP
ANTI-TAMP PROG   :
** Applicable for counties: Montgomery and Prince George's
89 77 50 22222 22222111 1 12 096. 12211112

* Inspection and Maintenance (I/M) Source File - C:\MWC0G\IM_ATP\MD_IM_2020_MP.IM
>IM Program. Idle, IM240, and OBD.
>Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

*Idle older LDGV, LDGT
I/M PROGRAM      : 1 1984 2050 2 T/O Idle
I/M MODEL YEARS  : 1 1977 1983
I/M VEHICLES     : 1 22222 11111111 1
I/M STRINGENCY   : 1 20.0
I/M COMPLIANCE   : 1 96.0
I/M WAIVER RATES : 1 13.8 13.8
I/M GRACE PERIOD : 1 2

*Idle HDGT
I/M PROGRAM      : 2 1984 2050 2 T/O Idle
I/M MODEL YEARS  : 2 1977 2050
I/M VEHICLES     : 2 11111 22222111 1
I/M STRINGENCY   : 2 20.0
I/M COMPLIANCE   : 2 96.0
I/M WAIVER RATES : 2 13.8 13.8
I/M GRACE PERIOD : 2 2

*IM240
I/M PROGRAM      : 3 1984 2050 2 T/O IM240
I/M MODEL YEARS  : 3 1984 1995
I/M VEHICLES     : 3 22222 11111111 1
I/M STRINGENCY   : 3 20.0
I/M COMPLIANCE   : 3 96.0
I/M WAIVER RATES : 3 13.8 13.8
I/M CUTPOINTS    : 3 e:\aqprog\mobile62\06mdcom\ext_data\IM_ATP\MD.C20
I/M GRACE PERIOD : 3 2

*OBD
I/M PROGRAM      : 4 1984 2050 2 T/O OBD I/M
I/M MODEL YEARS  : 4 1996 2050
I/M VEHICLES     : 4 22222 11111111 1
I/M STRINGENCY   : 4 20.0
I/M COMPLIANCE   : 4 96.0
I/M WAIVER RATES : 4 5.4 5.4
I/M GRACE PERIOD : 4 2

*OBD Evap (Actual Start Year: July 2002)
I/M PROGRAM      : 5 2002 2050 2 T/O EVAP OBD
I/M MODEL YEARS  : 5 1996 2050
I/M VEHICLES     : 5 22222 11111111 1
I/M COMPLIANCE   : 5 96.0
I/M WAIVER RATES : 5 5.4 5.4
I/M GRACE PERIOD : 5 2

* Diesel Sales Fractions Source File - C:\MWC0G\EXT_DATA\DSF\D30_MONT
DIESEL FRACTIONS :
0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068
0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068
0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009
0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009
0.0009 0.0009 0.0009 0.0009 0.0009 0.0009
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
0.0000 0.0000 0.0000 0.0000 0.0000

```



```

CALENDAR YEAR      : 2030
EVALUATION MONTH  : 1
ALTI TUDE         : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED     : 6.00 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD   : St & Cnty: 24031 MY: 2030 Speed: 7.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial
CALENDAR YEAR     : 2030
EVALUATION MONTH  : 1
ALTI TUDE         : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED     : 7.00 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD   : St & Cnty: 24031 MY: 2030 Speed: 8.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial
CALENDAR YEAR     : 2030
EVALUATION MONTH  : 1
ALTI TUDE         : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED     : 8.00 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD   : St & Cnty: 24031 MY: 2030 Speed: 9.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial
CALENDAR YEAR     : 2030
EVALUATION MONTH  : 1
ALTI TUDE         : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED     : 9.00 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD   : St & Cnty: 24031 MY: 2030 Speed: 10.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial
CALENDAR YEAR     : 2030
EVALUATION MONTH  : 1
ALTI TUDE         : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED     : 10.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD   : St & Cnty: 24031 MY: 2030 Speed: 11.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial
CALENDAR YEAR     : 2030
EVALUATION MONTH  : 1
ALTI TUDE         : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED     : 11.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD   : St & Cnty: 24031 MY: 2030 Speed: 12.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial
CALENDAR YEAR     : 2030
EVALUATION MONTH  : 1
ALTI TUDE         : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED     : 12.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD   : St & Cnty: 24031 MY: 2030 Speed: 13.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial
CALENDAR YEAR     : 2030
EVALUATION MONTH  : 1
ALTI TUDE         : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED     : 13.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM

```



```

VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 14.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 14.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 15.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 15.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 16.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 16.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 17.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 17.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 18.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 18.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 19.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 19.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 20.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 20.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 21.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1

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ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 21.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 22.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial
CALENDAR YEAR   : 2030
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 22.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 23.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial
CALENDAR YEAR   : 2030
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 23.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 24.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial
CALENDAR YEAR   : 2030
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 24.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 25.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial
CALENDAR YEAR   : 2030
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 25.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 26.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial
CALENDAR YEAR   : 2030
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 26.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 27.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial
CALENDAR YEAR   : 2030
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 27.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 28.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial
CALENDAR YEAR   : 2030
EVALUATION MONTH : 1
ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 28.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026

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0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0

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AVERAGE SPEED      : 36.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
  VMT FRACTIONS
  :
  0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
  0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 37.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 37.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
  VMT FRACTIONS
  :
  0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
  0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 38.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 38.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
  VMT FRACTIONS
  :
  0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
  0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 39.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 39.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
  VMT FRACTIONS
  :
  0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
  0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 40.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 40.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
  VMT FRACTIONS
  :
  0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
  0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 41.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 41.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
  VMT FRACTIONS
  :
  0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
  0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 42.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 42.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
  VMT FRACTIONS
  :
  0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
  0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 43.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 43.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
  VMT FRACTIONS
  :
  0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
  0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

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SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 44.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 44.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 45.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 45.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 46.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 46.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 47.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 47.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 48.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 48.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 49.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 49.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 50.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 50.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 51.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 51.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

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*       VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 52.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 52.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*       VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 53.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 53.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*       VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 54.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 54.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*       VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 55.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 55.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*       VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 56.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 56.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*       VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 57.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 57.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*       VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 58.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 58.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*       VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS
:
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 59.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial

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CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED       : 59.0 Arterial
SOAK DISTRIBUTION    : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS       :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD     : St & Cnty: 24031 MY: 2030 Speed: 60.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial
CALENDAR YEAR       : 2030
EVALUATION MONTH    : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY    : 75.0
AVERAGE SPEED        : 60.0 Arterial
SOAK DISTRIBUTION    : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS       :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD     : St & Cnty: 24031 MY: 2030 Speed: 61.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial
CALENDAR YEAR       : 2030
EVALUATION MONTH    : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY    : 75.0
AVERAGE SPEED        : 61.0 Arterial
SOAK DISTRIBUTION    : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS       :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD     : St & Cnty: 24031 MY: 2030 Speed: 62.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial
CALENDAR YEAR       : 2030
EVALUATION MONTH    : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY    : 75.0
AVERAGE SPEED        : 62.0 Arterial
SOAK DISTRIBUTION    : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS       :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD     : St & Cnty: 24031 MY: 2030 Speed: 63.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial
CALENDAR YEAR       : 2030
EVALUATION MONTH    : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY    : 75.0
AVERAGE SPEED        : 63.0 Arterial
SOAK DISTRIBUTION    : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS       :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD     : St & Cnty: 24031 MY: 2030 Speed: 64.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial
CALENDAR YEAR       : 2030
EVALUATION MONTH    : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY    : 75.0
AVERAGE SPEED        : 64.0 Arterial
SOAK DISTRIBUTION    : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS       :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD     : St & Cnty: 24031 MY: 2030 Speed: 65.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial
CALENDAR YEAR       : 2030
EVALUATION MONTH    : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY    : 75.0
AVERAGE SPEED        : 65.0 Arterial
SOAK DISTRIBUTION    : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS       :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD     : St & Cnty: 24031 MY: 2030 Speed: 1.00 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp
CALENDAR YEAR       : 2030
EVALUATION MONTH    : 1
ALTI TUDE           : 1
ABSOLUTE HUMIDITY    : 75.0
AVERAGE SPEED        : 1.00 Non-Ramp
SOAK DISTRIBUTION    : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM

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VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 2.00 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 2.00 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 3.00 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 3.00 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 4.00 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 4.00 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 5.00 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 5.00 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 6.00 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 6.00 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 7.00 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 7.00 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 8.00 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 8.00 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 9.00 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1

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ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 9.00 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 10.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp
CALENDAR YEAR    : 2030
EVALUATION MONTH : 1
ALTI TUDE       : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED    : 10.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 11.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp
CALENDAR YEAR    : 2030
EVALUATION MONTH : 1
ALTI TUDE       : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED    : 11.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 12.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp
CALENDAR YEAR    : 2030
EVALUATION MONTH : 1
ALTI TUDE       : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED    : 12.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 13.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp
CALENDAR YEAR    : 2030
EVALUATION MONTH : 1
ALTI TUDE       : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED    : 13.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 14.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp
CALENDAR YEAR    : 2030
EVALUATION MONTH : 1
ALTI TUDE       : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED    : 14.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 15.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp
CALENDAR YEAR    : 2030
EVALUATION MONTH : 1
ALTI TUDE       : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED    : 15.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 16.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp
CALENDAR YEAR    : 2030
EVALUATION MONTH : 1
ALTI TUDE       : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED    : 16.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026

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0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0

AVERAGE SPEED : 24.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

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 SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_MONT.VM  
 VMT FRACTIONS :  
 0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026  
 0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Non-Ramp  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

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* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 40.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 40.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 41.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 41.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 42.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 42.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 43.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 43.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 44.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 44.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 45.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 45.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 46.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 46.0 Non-Ramp
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_M1X\WINTER\V30_MONT.VM
VMT FRACTIONS :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 47.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp

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CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 47.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 48.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 48.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 49.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 49.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 50.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 50.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 51.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 51.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 52.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 52.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 53.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 53.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 54.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 54.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM

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VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 55.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 55.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 56.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 56.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 57.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 57.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 58.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 58.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 59.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 59.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 60.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 60.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 61.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY  : 75.0
AVERAGE SPEED      : 61.0 Non-Ramp
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS      :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 62.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1

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ALTI TUDE      : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED   : 62.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 63.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 63.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 64.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 64.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 65.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 65.0 Non-Ramp
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 34.6 Month: 01 1
>FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
VMT BY FACILITY : e:\aqprog\mobile62\06mdcom\Ext_Data\Vmt_Fac\FV4.FV
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 12.9 Month: 01 1
>FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
VMT BY FACILITY : e:\aqprog\mobile62\06mdcom\Ext_Data\Vmt_Fac\FV3.FV
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKCOLD.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 12.9 Month: 01 1
>FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
VMT BY FACILITY : e:\aqprog\mobile62\06mdcom\Ext_Data\Vmt_Fac\FV3.FV
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKHOT.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\V30_MONT.VM
VMT FRACTIONS   :
0.2676 0.0983 0.3549 0.1214 0.0587 0.0316 0.0030 0.0026
0.0029 0.0084 0.0066 0.0079 0.0320 0.0000 0.0000 0.0041

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 12.9 Month: 01 1
>FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTI TUDE : 1
ABSOLUTE HUMIDITY : 75.0
VMT BY FACILITY : e:\aqprog\mobile62\06mdcom\Ext_Data\Vmt_Fac\FV3.FV
SOAK DISTRI BUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
VMT Source File - C:\MWC\CG\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS   :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006

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2030mont.inp

0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0

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AVERAGE SPEED      : 8.00 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
  VMT FRACTIONS
  :
  0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
  0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 9.00 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art_Loc
  CALENDAR YEAR    : 2030
  EVALUATION MONTH : 1
  ALTITUDE         : 1
  ABSOLUTE HUMIDITY : 75.0
  AVERAGE SPEED    : 9.00 Arterial
  SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
  VMT FRACTIONS
  :
  0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
  0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 10.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art_Loc
  CALENDAR YEAR    : 2030
  EVALUATION MONTH : 1
  ALTITUDE         : 1
  ABSOLUTE HUMIDITY : 75.0
  AVERAGE SPEED    : 10.0 Arterial
  SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
  VMT FRACTIONS
  :
  0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
  0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 11.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art_Loc
  CALENDAR YEAR    : 2030
  EVALUATION MONTH : 1
  ALTITUDE         : 1
  ABSOLUTE HUMIDITY : 75.0
  AVERAGE SPEED    : 11.0 Arterial
  SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
  VMT FRACTIONS
  :
  0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
  0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 12.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art_Loc
  CALENDAR YEAR    : 2030
  EVALUATION MONTH : 1
  ALTITUDE         : 1
  ABSOLUTE HUMIDITY : 75.0
  AVERAGE SPEED    : 12.0 Arterial
  SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
  VMT FRACTIONS
  :
  0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
  0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 13.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art_Loc
  CALENDAR YEAR    : 2030
  EVALUATION MONTH : 1
  ALTITUDE         : 1
  ABSOLUTE HUMIDITY : 75.0
  AVERAGE SPEED    : 13.0 Arterial
  SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
  VMT FRACTIONS
  :
  0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
  0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 14.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art_Loc
  CALENDAR YEAR    : 2030
  EVALUATION MONTH : 1
  ALTITUDE         : 1
  ABSOLUTE HUMIDITY : 75.0
  AVERAGE SPEED    : 14.0 Arterial
  SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
  VMT FRACTIONS
  :
  0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
  0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 15.0 Month: 01 1
>FV FILE: .FV      OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art_Loc
  CALENDAR YEAR    : 2030
  EVALUATION MONTH : 1
  ALTITUDE         : 1
  ABSOLUTE HUMIDITY : 75.0
  AVERAGE SPEED    : 15.0 Arterial
  SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

*
  VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
  VMT FRACTIONS
  :
  0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
  0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

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2030mont.inp  
 SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 16.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_MONT.VM  
 VMT FRACTIONS :  
 0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006  
 0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext\_Data\OpMode\SOAKZERO.SK

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* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 24.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art_Loc
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 24.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 25.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art_Loc
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 25.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 26.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art_Loc
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 26.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 27.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art_Loc
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 27.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 28.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art_Loc
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 28.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 29.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art_Loc
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 29.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 30.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art_Loc
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 30.0 Arterial
SOAK DISTRIBUTION : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24031 MY: 2030 Speed: 31.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art_Loc

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CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 31.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 32.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 32.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 33.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 33.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 34.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 34.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 35.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 35.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 36.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 36.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 37.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 37.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 38.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTI TUDE          : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 38.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM

```

```

VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 39.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 39.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 40.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 40.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 41.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 41.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 42.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 42.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 43.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 43.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 44.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 44.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

SCENARIO RECORD    : St & Cnty: 24031 MY: 2030 Speed: 45.0 Month: 01 1
>FV FILE: .FV      : OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art_Loc
CALENDAR YEAR      : 2030
EVALUATION MONTH   : 1
ALTITUDE           : 1
ABSOLUTE HUMIDITY   : 75.0
AVERAGE SPEED      : 45.0 Arterial
SOAK DISTRIBUTION   : e:\aqprog\mobile62\06mdcom\Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC0G\EXT_DATA\VMT_MIX\WINTER\L30_MONT.VM
VMT FRACTIONS      :
0.2895 0.1064 0.3840 0.1314 0.0636 0.0069 0.0006 0.0006
0.0006 0.0018 0.0014 0.0017 0.0070 0.0000 0.0000 0.0045

```

END OF RUN :

```

*****2030MONT. OUT*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 2030MONT.INP (file 1, run 1). *
*****
*COMMENTS
*24 031
M603 Comment:
    User has disabled the calculation of REFUELING emissions.

* Reading non-default WEEKDAY RUNNING LOSS HOURLY TRIP LENGTH FRACTIONS
* from the following external data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\TRIP_LEN\WEEKTLD2.WDT

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\LEV\NLEVNE.D
M616 Comment:
    User has supplied post-1999 sulfur levels.

* Reading Registration Distributions from the following external
* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\RDT\R05_MONT.RDT
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)
*IM Program. Idle, IM240, and OBD.
*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

* Reading non-default I/M CUTPOINTS from the following external
* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\IM_ATP\MD.C20
* CY 18 and subsequent years.
* CUTPOINTS 75% TO FINAL FOR 1994 AND 1995. IMPLEMENTED MAY 2005.
M614 Comment:
    User supplied diesel sale fractions.

* #####
* St & Cnty: 24031 MY: 2030 Speed: 1.00 Month: 01 1
* File 1, Run 1, Scenario 1.
* #####
*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial
M 52 Warning:
    1.00 speed increased to 2.5 mph minimum
M583 Warning:
    The user supplied arterial average speed of 2.5
    will be used for all hours of the day. 100% of VMT
    has been assigned to the arterial/collector roadway
    type for all hours of the day and all vehicle types.

* Reading start SOAK distribution from the following external
* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\OPMODE\SOAKZERO.SK
M615 Comment:
    User supplied VMT mix.
*** I/M credits for Tech1&2 vehicles were read from the following external
data file: TECH12.D
M 48 Warning:
    there are no sales for vehicle class HDGV7
M 48 Warning:
    there are no sales for vehicle class HDGV8a
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M 48 Warning:
    there are no sales for vehicle class HDGB
M 48 Warning:
    there are no sales for vehicle class LDDT34
HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT_DATA\LEV\NLEVNE.D
    Calendar Year: 2030
    Month: Jan.
    Altitude: Low
    Minimum Temperature: 33.0 (F)
    Maximum Temperature: 53.0 (F)
    Absolute Humidity: 75. grains/lb
    Nominal Fuel RVP: 12.9 psi
    Weathered RVP: 12.9 psi
    Fuel Sulfur Content: 30. ppm
    Exhaust I/M Program: Yes
    Evap I/M Program: Yes
    ATP Program: Yes
    Reformulated Gas: No
    Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300
    Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035
    Alcohol Blend RVP Waiver: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT HDDV MC AII Veh
GVWR: <6000 >6000 (AII)
VMT Distribution: 0.2658 0.4528 0.1801 0.0223 0.0018 0.0004 0.0727 0.0041 1.0000

```

## 2030MONT. OUT

-----										
Composite Emission Factors (g/mi):										
Composite CO :	11.87	11.44	11.88	11.57	32.14	1.623	0.794	1.039	90.92	11.644
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	11.87	11.44	11.88	11.57		1.623	0.794		90.925	
CO Total Exhaust:	11.87	11.44	11.88	11.57	32.14	1.623	0.794	1.039	90.92	11.644
-----										

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 2.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial  
 M 52 Warning: 2.00 speed increased to 2.5 mph minimum  
 M583 Warning:  
 The user supplied arterial average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	11.87	11.44	11.88	11.57	32.14	1.623	0.794	1.039	90.92	11.644
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	11.87	11.44	11.88	11.57		1.623	0.794		90.925	
CO Total Exhaust:	11.87	11.44	11.88	11.57	32.14	1.623	0.794	1.039	90.92	11.644
-----										

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 3.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)



Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.09	9.79	10.17	9.90	29.99	1.523	0.745	0.976	78.08	10.009
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.09	9.79	10.17	9.90		1.523	0.745		78.076	
CO Total Exhaust:	10.09	9.79	10.17	9.90	29.99	1.523	0.745	0.976	78.08	10.009

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 4.00 Month: 01 1  
 \* File 1, Run 1, Scenario 4.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.88	7.72	8.02	7.81	27.30	1.399	0.684	0.896	62.02	7.966
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.88	7.72	8.02	7.81		1.399	0.684		62.016	
CO Total Exhaust:	7.88	7.72	8.02	7.81	27.30	1.399	0.684	0.896	62.02	7.966

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 5.00 Month: 01 1  
 \* File 1, Run 1, Scenario 5.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:

there are no sales for vehicle class HDGV7  
M 48 Warning: there are no sales for vehicle class HDGV8a  
M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB  
M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.55	6.48	6.73	6.55	25.68	1.325	0.648	0.848	52.38	6.740
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.55	6.48	6.73	6.55		1.325	0.648		52.379	
CO Total Exhaust:	6.55	6.48	6.73	6.55	25.68	1.325	0.648	0.848	52.38	6.740

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 6.00 Month: 01 1  
\* File 1, Run 1, Scenario 6.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 6.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
M 48 Warning: there are no sales for vehicle class HDGV8a  
M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB  
M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.72	5.69	5.91	5.76	22.82	1.188	0.581	0.761	43.31	5.908
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.72	5.69	5.91	5.76		1.188	0.581		43.308	
CO Total Exhaust:	5.72	5.69	5.91	5.76	22.82	1.188	0.581	0.761	43.31	5.908

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 7.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.13	5.13	5.33	5.19	20.77	1.090	0.533	0.698	36.83	5.314
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.13	5.13	5.33	5.19		1.090	0.533		36.828	
CO Total Exhaust:	5.13	5.13	5.33	5.19	20.77	1.090	0.533	0.698	36.83	5.314

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 8.00 Month: 01 1  
 \* File 1, Run 1, Scenario 8.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 8.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

## 2030MONT. OUT

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	4.69	4.71	4.89	4.76	19.24	1.016	0.497	0.651	31.97	4.869
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.69	4.71	4.89	4.76		1.016	0.497		31.968	
CO Total Exhaust:	4.69	4.71	4.89	4.76	19.24	1.016	0.497	0.651	31.97	4.869
-----										

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 9.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 9.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	4.35	4.38	4.55	4.43	18.04	0.959	0.469	0.614	28.19	4.523
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.35	4.38	4.55	4.43		0.959	0.469		28.188	
CO Total Exhaust:	4.35	4.38	4.55	4.43	18.04	0.959	0.469	0.614	28.19	4.523
-----										

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 10.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 10.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.

Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.07	4.12	4.28	4.16	17.09	0.913	0.447	0.585	25.16	4.246
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.07	4.12	4.28	4.16		0.913	0.447		25.164	
CO Total Exhaust:	4.07	4.12	4.28	4.16	17.09	0.913	0.447	0.585	25.16	4.246

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 11.0 Month: 01 1

\* File 1, Run 1, Scenario 11.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 11.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.87	3.92	4.07	3.96	15.70	0.844	0.413	0.541	22.76	4.020
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.87	3.92	4.07	3.96		0.844	0.413		22.759	
CO Total Exhaust:	3.87	3.92	4.07	3.96	15.70	0.844	0.413	0.541	22.76	4.020

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 12.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 12.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.71	3.75	3.89	3.79	14.55	0.786	0.385	0.504	20.75	3.833
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.71	3.75	3.89	3.79		0.786	0.385		20.754	
CO Total Exhaust:	3.71	3.75	3.89	3.79	14.55	0.786	0.385	0.504	20.75	3.833

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 13.0 Month: 01 1  
\* File 1, Run 1, Scenario 13.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 13.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.56	3.61	3.75	3.65	13.57	0.737	0.361	0.472	19.06	3.674
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.56	3.61	3.75	3.65		0.737	0.361		19.058	

CO Total Exhaust:	3.56	3.61	3.75	3.65	2030MONT. OUT	13.57	0.737	0.361	0.472	19.06	3.674
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\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 14.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.44	3.49	3.62	3.53	12.74	0.695	0.340	0.445	17.60	3.538
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.44	3.49	3.62	3.53		0.695	0.340		17.604	
CO Total Exhaust:	3.44	3.49	3.62	3.53	12.74	0.695	0.340	0.445	17.60	3.538

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 15.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

2030MONT.OUT

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
    Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.34	3.38	3.51	3.42	12.01	0.659	0.322	0.422	16.34	3.420
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.34	3.38	3.51	3.42		0.659	0.322		16.344	
CO Total Exhaust:	3.34	3.38	3.51	3.42	12.01	0.659	0.322	0.422	16.34	3.420

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 16.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
    Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.25	3.29	3.42	3.33	11.24	0.619	0.303	0.396	15.33	3.313
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.25	3.29	3.42	3.33		0.619	0.303		15.329	
CO Total Exhaust:	3.25	3.29	3.42	3.33	11.24	0.619	0.303	0.396	15.33	3.313

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 17.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34



LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	3.17	3.21	3.33	3.25	10.56	0.583	0.285	0.374	14.43	3.219
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	0.00	-----	0.000	0.000	-----	0.000	-----
CO Running:	3.17	3.21	3.33	3.25	-----	0.583	0.285	-----	14.434	-----
CO Total Exhaust:	3.17	3.21	3.33	3.25	10.56	0.583	0.285	0.374	14.43	3.219

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 18.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	3.09	3.14	3.26	3.17	9.95	0.552	0.270	0.353	13.64	3.136
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	0.00	-----	0.000	0.000	-----	0.000	-----
CO Running:	3.09	3.14	3.26	3.17	-----	0.552	0.270	-----	13.637	-----
CO Total Exhaust:	3.09	3.14	3.26	3.17	9.95	0.552	0.270	0.353	13.64	3.136

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 19.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.03	3.08	3.19	3.11	9.41	0.523	0.256	0.335	12.93	3.061
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.03	3.08	3.19	3.11		0.523	0.256		12.925	
CO Total Exhaust:	3.03	3.08	3.19	3.11	9.41	0.523	0.256	0.335	12.93	3.061

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 20.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.97	3.02	3.13	3.05	8.92	0.498	0.243	0.319	12.28	2.994
Exhaust emissions (g/mi):										

## 2030MONT. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000
CO Running:	2.97	3.02	3.13	3.05		0.498	0.243		12.284
CO Total Exhaust:	2.97	3.02	3.13	3.05	8.92	0.498	0.243	0.319	12.28
									2.994

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 21.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 21.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.92	2.97	3.08	3.00	8.46	0.473	0.231	0.303	11.69	2.936

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000
CO Running:	2.92	2.97	3.08	3.00		0.473	0.231		11.691
CO Total Exhaust:	2.92	2.97	3.08	3.00	8.46	0.473	0.231	0.303	11.69
									2.936

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 22.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 22.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes

ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.88	2.92	3.04	2.96	8.05	0.450	0.220	0.288	11.15	2.882
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.88	2.92	3.04	2.96		0.450	0.220		11.153	
CO Total Exhaust:	2.88	2.92	3.04	2.96	8.05	0.450	0.220	0.288	11.15	2.882

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 23.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.84	2.88	2.99	2.91	7.67	0.430	0.210	0.275	10.66	2.834
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.84	2.88	2.99	2.91		0.430	0.210		10.661	
CO Total Exhaust:	2.84	2.88	2.99	2.91	7.67	0.430	0.210	0.275	10.66	2.834

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 24.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 24.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.80	2.85	2.95	2.88	7.32	0.411	0.201	0.263	10.21	2.789
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.80	2.85	2.95	2.88		0.411	0.201		10.210	
CO Total Exhaust:	2.80	2.85	2.95	2.88	7.32	0.411	0.201	0.263	10.21	2.789

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 25.0 Month: 01 1  
\* File 1, Run 1, Scenario 25.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 25.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.76	2.81	2.92	2.84	7.00	0.393	0.192	0.252	9.79	2.748
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.76	2.81	2.92	2.84		0.393	0.192		9.795	
CO Total Exhaust:	2.76	2.81	2.92	2.84	7.00	0.393	0.192	0.252	9.79	2.748

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 26.0 Month: 01 1  
\* File 1, Run 1, Scenario 26.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 26.0

will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.75	2.80	2.90	2.83	6.72	0.378	0.185	0.242	9.38	2.727
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.75	2.80	2.90	2.83		0.378	0.185		9.379	
CO Total Exhaust:	2.75	2.80	2.90	2.83	6.72	0.378	0.185	0.242	9.38	2.727

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 27.0 Month: 01 1  
\* File 1, Run 1, Scenario 27.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 27.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										

	2.74	2.79	2.89	2.82	2030MONT. OUT 6.47	0.363	0.178	0.233	8.99	2.708
Composite CO :	2.74	2.79	2.89	2.82	6.47	0.363	0.178	0.233	8.99	2.708
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.74	2.79	2.89	2.82		0.363	0.178		8.995	
CO Total Exhaust:	2.74	2.79	2.89	2.82	6.47	0.363	0.178	0.233	8.99	2.708

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 28.0 Month: 01 1  
 \* File 1, Run 1, Scenario 28.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.72	2.77	2.88	2.80	6.23	0.350	0.171	0.224	8.64	2.690
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.72	2.77	2.88	2.80		0.350	0.171		8.637	
CO Total Exhaust:	2.72	2.77	2.88	2.80	6.23	0.350	0.171	0.224	8.64	2.690

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 29.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.71	2.76	2.87	2.79	6.01	0.337	0.165	0.216	8.30	2.674
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.71	2.76	2.87	2.79		0.337	0.165		8.305	
CO Total Exhaust:	2.71	2.76	2.87	2.79	6.01	0.337	0.165	0.216	8.30	2.674

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 30.0 Month: 01 1

\* File 1, Run 1, Scenario 30.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\06MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\06MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.70	2.75	2.86	2.78	5.80	0.325	0.159	0.208	7.99	2.658
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.70	2.75	2.86	2.78		0.325	0.159		7.994	
CO Total Exhaust:	2.70	2.75	2.86	2.78	5.80	0.325	0.159	0.208	7.99	2.658

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 31.0 Month: 01 1

\* File 1, Run 1, Scenario 31.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\06MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:



there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.71	2.76	2.87	2.79	5.64	0.316	0.154	0.202	7.69	2.662
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.71	2.76	2.87	2.79		0.316	0.154		7.693	
CO Total Exhaust:	2.71	2.76	2.87	2.79	5.64	0.316	0.154	0.202	7.69	2.662

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 32.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.72	2.77	2.88	2.80	5.49	0.306	0.150	0.196	7.41	2.665
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.72	2.77	2.88	2.80		0.306	0.150		7.411	
CO Total Exhaust:	2.72	2.77	2.88	2.80	5.49	0.306	0.150	0.196	7.41	2.665

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 33.0 Month: 01 1  
 \* File 1, Run 1, Scenario 33.  
 \* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial 2030MONT.OUT  
SCENARIO: 33 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 33.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Al I Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.73	2.78	2.89	2.81	5.34	0.298	0.146	0.191	7.15	2.668
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.73	2.78	2.89	2.81		0.298	0.146		7.145	
CO Total Exhaust:	2.73	2.78	2.89	2.81	5.34	0.298	0.146	0.191	7.15	2.668

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 34.0 Month: 01 1  
\* File 1, Run 1, Scenario 34.

\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 34.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Al I Veh
GVWR:		<6000	>6000	(All)						

					2030MONT. OUT									
					0.0223	0.0018	0.0004	0.0727	0.0041	1.0000				
VMT Distribution:					0.2658	0.4528	0.1801							
Composite Emission Factors (g/mi):														
Composite CO :					2.73	2.79	2.90	2.82	5.21	0.289	0.142	0.185	6.90	2.670
Exhaust emissions (g/mi):														
CO Start:					0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:					2.73	2.79	2.90	2.82		0.289	0.142		6.895	
CO Total Exhaust:					2.73	2.79	2.90	2.82	5.21	0.289	0.142	0.185	6.90	2.670

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 35.0 Month: 01 1  
 \* File 1, Run 1, Scenario 35.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.74	2.80	2.90	2.83	5.08	0.282	0.138	0.180	6.66	2.673
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.74	2.80	2.90	2.83		0.282	0.138		6.660	
CO Total Exhaust:	2.74	2.80	2.90	2.83	5.08	0.282	0.138	0.180	6.66	2.673

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 36.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.80	2.86	2.96	2.89	5.00	0.276	0.135	0.177	6.45	2.722
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.80	2.86	2.96	2.89		0.276	0.135		6.454	
CO Total Exhaust:	2.80	2.86	2.96	2.89	5.00	0.276	0.135	0.177	6.45	2.722

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 37.0 Month: 01 1

\* File 1, Run 1, Scenario 37.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 37.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.85	2.91	3.02	2.94	4.92	0.270	0.132	0.173	6.26	2.769
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.85	2.91	3.02	2.94		0.270	0.132		6.259	
CO Total Exhaust:	2.85	2.91	3.02	2.94	4.92	0.270	0.132	0.173	6.26	2.769

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 38.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 38.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.90	2.97	3.07	3.00	4.84	0.265	0.130	0.170	6.07	2.812
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.90	2.97	3.07	3.00		0.265	0.130		6.074	
CO Total Exhaust:	2.90	2.97	3.07	3.00	4.84	0.265	0.130	0.170	6.07	2.812

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 39.0 Month: 01 1  
\* File 1, Run 1, Scenario 39.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 39.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.02	3.12	3.05	4.77	0.260	0.127	0.167	5.90	2.854
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.95	3.02	3.12	3.05		0.260	0.127		5.899	
CO Total Exhaust:	2.95	3.02	3.12	3.05	4.77	0.260	0.127	0.167	5.90	2.854

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 40.0 Month: 01 1

\* File 1, Run 1, Scenario 40.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 40.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.99	3.06	3.17	3.09	4.70	0.255	0.125	0.163	5.73	2.894
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.99	3.06	3.17	3.09		0.255	0.125		5.733	
CO Total Exhaust:	2.99	3.06	3.17	3.09	4.70	0.255	0.125	0.163	5.73	2.894
-----										

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 41.0 Month: 01 1

\* File 1, Run 1, Scenario 41.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 41.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	2030MONT. OUT HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.05	3.12	3.23	3.15	4.68	0.252	0.123	0.162	5.60	2.944
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.05	3.12	3.23	3.15		0.252	0.123		5.604	
CO Total Exhaust:	3.05	3.12	3.23	3.15	4.68	0.252	0.123	0.162	5.60	2.944

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 42.0 Month: 01 1  
 \* File 1, Run 1, Scenario 42.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.10	3.18	3.29	3.21	4.66	0.250	0.122	0.160	5.48	2.992
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.10	3.18	3.29	3.21		0.250	0.122		5.482	
CO Total Exhaust:	3.10	3.18	3.29	3.21	4.66	0.250	0.122	0.160	5.48	2.992

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 43.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.23	3.34	3.26	4.64	0.247	0.121	0.158	5.37	3.038
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.15	3.23	3.34	3.26		0.247	0.121		5.365	
CO Total Exhaust:	3.15	3.23	3.34	3.26	4.64	0.247	0.121	0.158	5.37	3.038

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 44.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.28	3.39	3.31	4.62	0.244	0.120	0.157	5.25	3.081
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.20	3.28	3.39	3.31		0.244	0.120		5.254	
CO Total Exhaust:	3.20	3.28	3.39	3.31	4.62	0.244	0.120	0.157	5.25	3.081

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 45.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:



User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.24	3.33	3.44	3.36	4.60	0.242	0.118	0.155	5.15	3.123
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.24	3.33	3.44	3.36		0.242	0.118		5.148	
CO Total Exhaust:	3.24	3.33	3.44	3.36	4.60	0.242	0.118	0.155	5.15	3.123

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 46.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.30	3.38	3.50	3.42	4.63	0.242	0.118	0.155	5.10	3.174
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.30	3.38	3.50	3.42		0.242	0.118		5.096	
CO Total Exhaust:	3.30	3.38	3.50	3.42	4.63	0.242	0.118	0.155	5.10	3.174

-----  
 \* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 47.0 Month: 01 1  
 \* File 1, Run 1, Scenario 47.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 47.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.35	3.44	3.56	3.47	4.66	0.241	0.118	0.154	5.05	3.224
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.35	3.44	3.56	3.47		0.241	0.118		5.046	
CO Total Exhaust:	3.35	3.44	3.56	3.47	4.66	0.241	0.118	0.154	5.05	3.224

-----  
 \* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 48.0 Month: 01 1  
 \* File 1, Run 1, Scenario 48.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 48.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
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Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.40	3.49	3.61	3.52	4.69	0.241	0.118	0.154	5.00	3.271
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.40	3.49	3.61	3.52		0.241	0.118		4.998	
CO Total Exhaust:	3.40	3.49	3.61	3.52	4.69	0.241	0.118	0.154	5.00	3.271

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 49.0 Month: 01 1  
 \* File 1, Run 1, Scenario 49.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 49.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.45	3.54	3.66	3.58	4.72	0.240	0.118	0.154	4.95	3.316
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.45	3.54	3.66	3.58		0.240	0.118		4.952	
CO Total Exhaust:	3.45	3.54	3.66	3.58	4.72	0.240	0.118	0.154	4.95	3.316

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 50.0 Month: 01 1  
 \* File 1, Run 1, Scenario 50.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.49	3.59	3.71	3.62	4.75	0.240	0.117	0.154	4.91	3.360
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.49	3.59	3.71	3.62		0.240	0.117		4.908	
CO Total Exhaust:	3.49	3.59	3.71	3.62	4.75	0.240	0.117	0.154	4.91	3.360

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 51.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 51.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.55	3.65	3.77	3.68	4.84	0.242	0.118	0.155	4.91	3.412
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.55	3.65	3.77	3.68		0.242	0.118		4.908	
CO Total Exhaust:	3.55	3.65	3.77	3.68	4.84	0.242	0.118	0.155	4.91	3.412

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 52.0 Month: 01 1

\* File 1, Run 1, Scenario 52.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 52.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO. SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE. D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.60	3.70	3.82	3.74	4.93	0.244	0.119	0.156	4.91	3.463
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.60	3.70	3.82	3.74		0.244	0.119		4.908	
CO Total Exhaust:	3.60	3.70	3.82	3.74	4.93	0.244	0.119	0.156	4.91	3.463

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 53.0 Month: 01 1  
 \* File 1, Run 1, Scenario 53.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO. SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE. D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.65	3.75	3.88	3.79	5.02	0.246	0.120	0.157	4.91	3.512
Exhaust emissions (g/mi):										

					2030MONT. OUT					
CO Start:	0.00	0.00	0.00	0.00	0.000	0.000			0.000	
CO Running:	3.65	3.75	3.88	3.79	0.246	0.120			4.908	
CO Total Exhaust:	3.65	3.75	3.88	3.79	5.02	0.246	0.120	0.157	4.91	3.512

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 54.0 Month: 01 1  
 \* File 1, Run 1, Scenario 54.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 54.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.70	3.80	3.93	3.84	5.10	0.248	0.121	0.159	4.91	3.559
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.70	3.80	3.93	3.84		0.248	0.121		4.908	
CO Total Exhaust:	3.70	3.80	3.93	3.84	5.10	0.248	0.121	0.159	4.91	3.559

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 55.0 Month: 01 1  
 \* File 1, Run 1, Scenario 55.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 55.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.74	3.85	3.98	3.89	5.19	0.249	0.122	0.160	4.91	3.604
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.74	3.85	3.98	3.89		0.249	0.122		4.908	
CO Total Exhaust:	3.74	3.85	3.98	3.89	5.19	0.249	0.122	0.160	4.91	3.604

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 56.0 Month: 01 1  
 \* File 1, Run 1, Scenario 56.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 56.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.80	3.91	4.04	3.95	5.36	0.254	0.124	0.163	6.17	3.664
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.80	3.91	4.04	3.95		0.254	0.124		6.175	
CO Total Exhaust:	3.80	3.91	4.04	3.95	5.36	0.254	0.124	0.163	6.17	3.664

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 57.0 Month: 01 1  
 \* File 1, Run 1, Scenario 57.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.85	3.96	4.09	4.00	5.52	0.258	0.126	0.166	7.40	3.721
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.85	3.96	4.09	4.00		0.258	0.126		7.397	
CO Total Exhaust:	3.85	3.96	4.09	4.00	5.52	0.258	0.126	0.166	7.40	3.721

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 58.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.90	4.02	4.15	4.05	5.68	0.263	0.129	0.168	8.58	3.776
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	4.02	4.15	4.05		0.263	0.129		8.577	
CO Total Exhaust:	3.90	4.02	4.15	4.05	5.68	0.263	0.129	0.168	8.58	3.776

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 59.0 Month: 01 1  
 \* File 1, Run 1, Scenario 59.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 59.0  
 will be used for all hours of the day. 100% of VMT



has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.95	4.07	4.20	4.10	5.83	0.267	0.131	0.171	9.72	3.830
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.95	4.07	4.20	4.10		0.267	0.131		9.717	
CO Total Exhaust:	3.95	4.07	4.20	4.10	5.83	0.267	0.131	0.171	9.72	3.830

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 60.0 Month: 01 1  
\* File 1, Run 1, Scenario 60.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 60.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.99	4.12	4.25	4.15	5.98	0.271	0.133	0.174	10.82	3.882

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.99	4.12	4.25	4.15		0.271	0.133		10.819	
CO Total Exhaust:	3.99	4.12	4.25	4.15	5.98	0.271	0.133	0.174	10.82	3.882

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 61.0 Month: 01 1

\* File 1, Run 1, Scenario 61.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 61.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	<6000	>6000	(All)							

VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-------------------	--------	--------	--------	-------	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite CO :	4.05	4.17	4.30	4.21	6.26	0.279	0.136	0.179	12.08	3.943
----------------	------	------	------	------	------	-------	-------	-------	-------	-------

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.05	4.17	4.30	4.21		0.279	0.136		12.079	
CO Total Exhaust:	4.05	4.17	4.30	4.21	6.26	0.279	0.136	0.179	12.08	3.943

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 62.0 Month: 01 1

\* File 1, Run 1, Scenario 62.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 62.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.10	4.23	4.36	4.27	6.53	0.287	0.140	0.184	13.30	4.003
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.10	4.23	4.36	4.27		0.287	0.140		13.297	
CO Total Exhaust:	4.10	4.23	4.36	4.27	6.53	0.287	0.140	0.184	13.30	4.003

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 63.0 Month: 01 1

\* File 1, Run 1, Scenario 63.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 63.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.15	4.28	4.41	4.32	6.79	0.294	0.144	0.188	14.48	4.061
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.15	4.28	4.41	4.32		0.294	0.144		14.478	
CO Total Exhaust:	4.15	4.28	4.41	4.32	6.79	0.294	0.144	0.188	14.48	4.061

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 64.0 Month: 01 1

\* File 1, Run 1, Scenario 64.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 64.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.20	4.33	4.47	4.37	7.04	0.301	0.147	0.193	15.62	4.117
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.20	4.33	4.47	4.37		0.301	0.147		15.621	
CO Total Exhaust:	4.20	4.33	4.47	4.37	7.04	0.301	0.147	0.193	15.62	4.117

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 65.0 Month: 01 1  
\* File 1, Run 1, Scenario 65.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 65.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.25	4.38	4.52	4.42	7.28	0.308	0.151	0.197	16.73	4.171
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.25	4.38	4.52	4.42		0.308	0.151		16.729	
CO Total Exhaust:	4.25	4.38	4.52	4.42	7.28	0.308	0.151	0.197	16.73	4.171

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 1.00 Month: 01 1  
\* File 1, Run 1, Scenario 66.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp  
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M 52 Warning: 1.00 speed increased to 2.5 mph minimum

M581 Warning:  
The user supplied freeway average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7

M 48 Warning: there are no sales for vehicle class HDGV8a

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	11.87	11.44	11.88	11.57	32.14	1.623	0.794	1.039	90.92	11.644
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	11.87	11.44	11.88	11.57		1.623	0.794		90.925	
CO Total Exhaust:	11.87	11.44	11.88	11.57	32.14	1.623	0.794	1.039	90.92	11.644

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 2.00 Month: 01 1

\* File 1, Run 1, Scenario 67.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp

M 52 Warning: 2.00 speed increased to 2.5 mph minimum

M581 Warning:  
The user supplied freeway average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7

M 48 Warning: there are no sales for vehicle class HDGV8a

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	2030MONT. OUT HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	11.87	11.44	11.88	11.57	32.14	1.623	0.794	1.039	90.92	11.644
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	11.87	11.44	11.88	11.57		1.623	0.794		90.925	
CO Total Exhaust:	11.87	11.44	11.88	11.57	32.14	1.623	0.794	1.039	90.92	11.644

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 68.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.09	9.79	10.17	9.90	29.99	1.523	0.745	0.976	78.08	10.009
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.09	9.79	10.17	9.90		1.523	0.745		78.076	
CO Total Exhaust:	10.09	9.79	10.17	9.90	29.99	1.523	0.745	0.976	78.08	10.009

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 4.00 Month: 01 1  
 \* File 1, Run 1, Scenario 69.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low

## 2030MONT. OUT

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.88	7.72	8.02	7.81	27.30	1.399	0.684	0.896	62.02	7.966
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.88	7.72	8.02	7.81		1.399	0.684		62.016	
CO Total Exhaust:	7.88	7.72	8.02	7.81	27.30	1.399	0.684	0.896	62.02	7.966

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 5.00 Month: 01 1  
 \* File 1, Run 1, Scenario 70.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.55	6.48	6.73	6.55	25.68	1.325	0.648	0.848	52.38	6.740
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.55	6.48	6.73	6.55		1.325	0.648		52.379	
CO Total Exhaust:	6.55	6.48	6.73	6.55	25.68	1.325	0.648	0.848	52.38	6.740

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 6.00 Month: 01 1  
 \* File 1, Run 1, Scenario 71.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.60	5.57	5.79	5.63	22.82	1.188	0.581	0.761	43.31	5.796
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.60	5.57	5.79	5.63		1.188	0.581		43.308	
CO Total Exhaust:	5.60	5.57	5.79	5.63	22.82	1.188	0.581	0.761	43.31	5.796

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 72.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.92	4.92	5.11	4.97	20.77	1.090	0.533	0.698	36.83	5.121
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.92	4.92	5.11	4.97		1.090	0.533		36.828	
CO Total Exhaust:	4.92	4.92	5.11	4.97	20.77	1.090	0.533	0.698	36.83	5.121



\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 73.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 8.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.41	4.43	4.60	4.48	19.24	1.016	0.497	0.651	31.97	4.616
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.41	4.43	4.60	4.48		1.016	0.497		31.968	
CO Total Exhaust:	4.41	4.43	4.60	4.48	19.24	1.016	0.497	0.651	31.97	4.616

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 74.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 9.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015      2030MONT.OUT  
Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VTM Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	4.01	4.05	4.21	4.09	18.04	0.959	0.469	0.614	28.19	4.223
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.01	4.05	4.21	4.09		0.959	0.469		28.188	
CO Total Exhaust:	4.01	4.05	4.21	4.09	18.04	0.959	0.469	0.614	28.19	4.223
-----										

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 10.0 Month: 01 1  
\* File 1, Run 1, Scenario 75.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 10.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VTM Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.70	3.74	3.89	3.79	17.09	0.913	0.447	0.585	25.16	3.908
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.70	3.74	3.89	3.79		0.913	0.447		25.164	
CO Total Exhaust:	3.70	3.74	3.89	3.79	17.09	0.913	0.447	0.585	25.16	3.908
-----										

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 11.0 Month: 01 1  
\* File 1, Run 1, Scenario 76.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 11.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.48	3.53	3.67	3.57	15.70	0.844	0.413	0.541	22.76	3.667
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.48	3.53	3.67	3.57		0.844	0.413		22.759	
CO Total Exhaust:	3.48	3.53	3.67	3.57	15.70	0.844	0.413	0.541	22.76	3.667

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 77.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 12.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.30	3.35	3.48	3.38	14.55	0.786	0.385	0.504	20.75	3.467
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.30	3.35	3.48	3.38		0.786	0.385		20.754	
CO Total Exhaust:	3.30	3.35	3.48	3.38	14.55	0.786	0.385	0.504	20.75	3.467

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 78.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 13.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.19	3.32	3.23	13.57	0.737	0.361	0.472	19.06	3.297
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.15	3.19	3.32	3.23		0.737	0.361		19.058	
CO Total Exhaust:	3.15	3.19	3.32	3.23	13.57	0.737	0.361	0.472	19.06	3.297

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 79.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.01	3.06	3.18	3.10	12.74	0.695	0.340	0.445	17.60	3.152
Exhaust emissions (g/mi):										

					2030MONT. OUT					
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.01	3.06	3.18	3.10		0.695	0.340		17.604	
CO Total Exhaust:	3.01	3.06	3.18	3.10	12.74	0.695	0.340	0.445	17.60	3.152

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 80.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000

Composite Emission Factors (g/mi):

Composite CO :	2.90	2.95	3.07	2.98	12.01	0.659	0.322	0.422	16.34	3.026
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.90	2.95	3.07	2.98		0.659	0.322		16.344	
CO Total Exhaust:	2.90	2.95	3.07	2.98	12.01	0.659	0.322	0.422	16.34	3.026

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 81.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.88	2.93	3.04	2.96	11.24	0.619	0.303	0.396	15.33	2.980
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.88	2.93	3.04	2.96		0.619	0.303		15.329	
CO Total Exhaust:	2.88	2.93	3.04	2.96	11.24	0.619	0.303	0.396	15.33	2.980

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 82.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.85	2.90	3.02	2.94	10.56	0.583	0.285	0.374	14.43	2.939
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.85	2.90	3.02	2.94		0.583	0.285		14.434	
CO Total Exhaust:	2.85	2.90	3.02	2.94	10.56	0.583	0.285	0.374	14.43	2.939

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 83.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.83	2.88	3.00	2.92	9.95	0.552	0.270	0.353	13.64	2.903
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.83	2.88	3.00	2.92		0.552	0.270		13.637	
CO Total Exhaust:	2.83	2.88	3.00	2.92	9.95	0.552	0.270	0.353	13.64	2.903

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 84.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.82	2.87	2.98	2.90	9.41	0.523	0.256	0.335	12.93	2.871
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.82	2.87	2.98	2.90		0.523	0.256		12.925	
CO Total Exhaust:	2.82	2.87	2.98	2.90	9.41	0.523	0.256	0.335	12.93	2.871

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 85.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 20.0  
 will be used for all hours of the day. 100% of VMT

has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.80	2.85	2.96	2.88	8.92	0.498	0.243	0.319	12.28	2.841
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.80	2.85	2.96	2.88		0.498	0.243		12.284	
CO Total Exhaust:	2.80	2.85	2.96	2.88	8.92	0.498	0.243	0.319	12.28	2.841

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 21.0 Month: 01 1  
 \* File 1, Run 1, Scenario 86.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 21.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.78	2.84	2.95	2.87	8.46	0.473	0.231	0.303	11.69	2.815



## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.78	2.84	2.95	2.87		0.473	0.231		11.691	
CO Total Exhaust:	2.78	2.84	2.95	2.87	8.46	0.473	0.231	0.303	11.69	2.815

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 87.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 22.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	<6000	>6000	(All)							

VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite CO :	2.77	2.82	2.93	2.85	8.05	0.450	0.220	0.288	11.15	2.790
----------------	------	------	------	------	------	-------	-------	-------	-------	-------

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.77	2.82	2.93	2.85		0.450	0.220		11.153	
CO Total Exhaust:	2.77	2.82	2.93	2.85	8.05	0.450	0.220	0.288	11.15	2.790

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 88.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.76	2.81	2.92	2.84	7.67	0.430	0.210	0.275	10.66	2.768
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.76	2.81	2.92	2.84		0.430	0.210		10.661	
CO Total Exhaust:	2.76	2.81	2.92	2.84	7.67	0.430	0.210	0.275	10.66	2.768

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 89.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.75	2.80	2.91	2.83	7.32	0.411	0.201	0.263	10.21	2.747
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.75	2.80	2.91	2.83		0.411	0.201		10.210	
CO Total Exhaust:	2.75	2.80	2.91	2.83	7.32	0.411	0.201	0.263	10.21	2.747

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 25.0 Month: 01 1

\* File 1, Run 1, Scenario 90.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.74	2.79	2.90	2.82	7.00	0.393	0.192	0.252	9.79	2.729
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.74	2.79	2.90	2.82		0.393	0.192		9.795	
CO Total Exhaust:	2.74	2.79	2.90	2.82	7.00	0.393	0.192	0.252	9.79	2.729

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 26.0 Month: 01 1  
\* File 1, Run 1, Scenario 91.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 26.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.73	2.78	2.89	2.81	6.72	0.378	0.185	0.242	9.38	2.712
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.73	2.78	2.89	2.81		0.378	0.185		9.379	
CO Total Exhaust:	2.73	2.78	2.89	2.81	6.72	0.378	0.185	0.242	9.38	2.712

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 27.0 Month: 01 1  
\* File 1, Run 1, Scenario 92.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp  
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## M581 Warning:

The user supplied freeway average speed of 27.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV7

## M 48 Warning:

there are no sales for vehicle class HDGV8a

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

## M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.72	2.77	2.88	2.80	6.47	0.363	0.178	0.233	8.99	2.696
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.72	2.77	2.88	2.80		0.363	0.178		8.995	
CO Total Exhaust:	2.72	2.77	2.88	2.80	6.47	0.363	0.178	0.233	8.99	2.696
-----										

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 28.0 Month: 01 1

\* File 1, Run 1, Scenario 93.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp

## M581 Warning:

The user supplied freeway average speed of 28.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV7

## M 48 Warning:

there are no sales for vehicle class HDGV8a

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

## M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000

## 2030MONT. OUT

-----  
 Composite Emission Factors (g/mi):  
 Composite CO : 2.71 2.77 2.87 2.79 6.23 0.350 0.171 0.224 8.64 2.681  
 -----

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.71	2.77	2.87	2.79		0.350	0.171		8.637	
CO Total Exhaust:	2.71	2.77	2.87	2.79	6.23	0.350	0.171	0.224	8.64	2.681

-----

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 29.0 Month: 01 1

\* File 1, Run 1, Scenario 94.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-------------------	--------	--------	--------	-------	--------	--------	--------	--------	--------	--------

-----  
 Composite Emission Factors (g/mi):  
 Composite CO : 2.70 2.76 2.86 2.79 6.01 0.337 0.165 0.216 8.30 2.668  
 -----

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.70	2.76	2.86	2.79		0.337	0.165		8.305	
CO Total Exhaust:	2.70	2.76	2.86	2.79	6.01	0.337	0.165	0.216	8.30	2.668

-----

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 30.0 Month: 01 1

\* File 1, Run 1, Scenario 95.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.70	2.75	2.85	2.78	5.80	0.325	0.159	0.208	7.99	2.655
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.70	2.75	2.85	2.78		0.325	0.159		7.994	
CO Total Exhaust:	2.70	2.75	2.85	2.78	5.80	0.325	0.159	0.208	7.99	2.655

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 31.0 Month: 01 1  
\* File 1, Run 1, Scenario 96.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 31.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.71	2.76	2.87	2.79	5.64	0.316	0.154	0.202	7.69	2.659
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.71	2.76	2.87	2.79		0.316	0.154		7.693	
CO Total Exhaust:	2.71	2.76	2.87	2.79	5.64	0.316	0.154	0.202	7.69	2.659

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 32.0 Month: 01 1  
\* File 1, Run 1, Scenario 97.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 32.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:

there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.72	2.77	2.88	2.80	5.49	0.306	0.150	0.196	7.41	2.663
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.72	2.77	2.88	2.80		0.306	0.150		7.411	
CO Total Exhaust:	2.72	2.77	2.88	2.80	5.49	0.306	0.150	0.196	7.41	2.663

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 33.0 Month: 01 1  
 \* File 1, Run 1, Scenario 98.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 33.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.72	2.78	2.89	2.81	5.34	0.298	0.146	0.191	7.15	2.666
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.72	2.78	2.89	2.81		0.298	0.146		7.145	
CO Total Exhaust:	2.72	2.78	2.89	2.81	5.34	0.298	0.146	0.191	7.15	2.666

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 99.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 34.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.73	2.79	2.90	2.82	5.21	0.289	0.142	0.185	6.90	2.670
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.73	2.79	2.90	2.82		0.289	0.142		6.895	
CO Total Exhaust:	2.73	2.79	2.90	2.82	5.21	0.289	0.142	0.185	6.90	2.670

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 100.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 35.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
					Page 58					



2030MONT. OUT										
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.2658	0.4528	0.1801	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	2.74	2.80	2.90	2.83	5.08	0.282	0.138	0.180	6.66	2.673
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.74	2.80	2.90	2.83		0.282	0.138		6.660	
CO Total Exhaust:	2.74	2.80	2.90	2.83	5.08	0.282	0.138	0.180	6.66	2.673

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 101.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.2658	0.4528	0.1801	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	2.80	2.86	2.96	2.89	5.00	0.276	0.135	0.177	6.45	2.722
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.80	2.86	2.96	2.89		0.276	0.135		6.454	
CO Total Exhaust:	2.80	2.86	2.96	2.89	5.00	0.276	0.135	0.177	6.45	2.722

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 102.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)

## 2030MONT. OUT

Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.85	2.91	3.02	2.94	4.92	0.270	0.132	0.173	6.26	2.769
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.85	2.91	3.02	2.94		0.270	0.132		6.259	
CO Total Exhaust:	2.85	2.91	3.02	2.94	4.92	0.270	0.132	0.173	6.26	2.769

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 103.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.90	2.97	3.07	3.00	4.84	0.265	0.130	0.170	6.07	2.812
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.90	2.97	3.07	3.00		0.265	0.130		6.074	
CO Total Exhaust:	2.90	2.97	3.07	3.00	4.84	0.265	0.130	0.170	6.07	2.812

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 39.0 Month: 01 1

\* File 1, Run 1, Scenario 104.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.02	3.12	3.05	4.77	0.260	0.127	0.167	5.90	2.854
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.95	3.02	3.12	3.05		0.260	0.127		5.899	
CO Total Exhaust:	2.95	3.02	3.12	3.05	4.77	0.260	0.127	0.167	5.90	2.854

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 40.0 Month: 01 1  
\* File 1, Run 1, Scenario 105.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp  
M581 Warning:  
The user supplied freeway average speed of 40.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.99	3.06	3.17	3.09	4.70	0.255	0.125	0.163	5.73	2.894
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.99	3.06	3.17	3.09		0.255	0.125		5.733	
CO Total Exhaust:	2.99	3.06	3.17	3.09	4.70	0.255	0.125	0.163	5.73	2.894

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 41.0 Month: 01 1

\* File 1, Run 1, Scenario 106.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 41.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.05	3.12	3.23	3.15	4.68	0.252	0.123	0.162	5.60	2.944
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.05	3.12	3.23	3.15		0.252	0.123		5.604	
CO Total Exhaust:	3.05	3.12	3.23	3.15	4.68	0.252	0.123	0.162	5.60	2.944
-----										

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 42.0 Month: 01 1

\* File 1, Run 1, Scenario 107.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 42.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

2030MONT. OUT  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.10	3.18	3.29	3.21	4.66	0.250	0.122	0.160	5.48	2.992
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.10	3.18	3.29	3.21		0.250	0.122		5.482	
CO Total Exhaust:	3.10	3.18	3.29	3.21	4.66	0.250	0.122	0.160	5.48	2.992

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 108.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.23	3.34	3.26	4.64	0.247	0.121	0.158	5.37	3.038
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.15	3.23	3.34	3.26		0.247	0.121		5.365	
CO Total Exhaust:	3.15	3.23	3.34	3.26	4.64	0.247	0.121	0.158	5.37	3.038

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 109.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030

Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.28	3.39	3.31	4.62	0.244	0.120	0.157	5.25	3.081
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.20	3.28	3.39	3.31		0.244	0.120		5.254	
CO Total Exhaust:	3.20	3.28	3.39	3.31	4.62	0.244	0.120	0.157	5.25	3.081

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 110.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.24	3.33	3.44	3.36	4.60	0.242	0.118	0.155	5.15	3.123
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.24	3.33	3.44	3.36		0.242	0.118		5.148	
CO Total Exhaust:	3.24	3.33	3.44	3.36	4.60	0.242	0.118	0.155	5.15	3.123

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 111.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.30	3.38	3.50	3.42	4.63	0.242	0.118	0.155	5.10	3.174
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.30	3.38	3.50	3.42		0.242	0.118		5.096	
CO Total Exhaust:	3.30	3.38	3.50	3.42	4.63	0.242	0.118	0.155	5.10	3.174

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 47.0 Month: 01 1

\* File 1, Run 1, Scenario 112.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 47.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.35	3.44	3.56	3.47	4.66	0.241	0.118	0.154	5.05	3.224
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	

	CO Running:	3.35	3.44	3.56	3.47	2030MONT. OUT	0.241	0.118		5.046	
CO Total Exhaust:		3.35	3.44	3.56	3.47	4.66	0.241	0.118	0.154	5.05	3.224

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 48.0 Month: 01 1

\* File 1, Run 1, Scenario 113.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 48.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.40	3.49	3.61	3.52	4.69	0.241	0.118	0.154	5.00	3.271
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.40	3.49	3.61	3.52		0.241	0.118		4.998	
CO Total Exhaust:	3.40	3.49	3.61	3.52	4.69	0.241	0.118	0.154	5.00	3.271

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 49.0 Month: 01 1

\* File 1, Run 1, Scenario 114.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 49.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No



## 2030MONT. OUT

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.45	3.54	3.66	3.58	4.72	0.240	0.118	0.154	4.95	3.316
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.45	3.54	3.66	3.58		0.240	0.118		4.952	
CO Total Exhaust:	3.45	3.54	3.66	3.58	4.72	0.240	0.118	0.154	4.95	3.316

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 50.0 Month: 01 1

\* File 1, Run 1, Scenario 115.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.49	3.59	3.71	3.62	4.75	0.240	0.117	0.154	4.91	3.360
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.49	3.59	3.71	3.62		0.240	0.117		4.908	
CO Total Exhaust:	3.49	3.59	3.71	3.62	4.75	0.240	0.117	0.154	4.91	3.360

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 116.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 51.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.55	3.65	3.77	3.68	4.84	0.242	0.118	0.155	4.91	3.412
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.55	3.65	3.77	3.68		0.242	0.118		4.908	
CO Total Exhaust:	3.55	3.65	3.77	3.68	4.84	0.242	0.118	0.155	4.91	3.412

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 52.0 Month: 01 1  
 \* File 1, Run 1, Scenario 117.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 52.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.60	3.70	3.82	3.74	4.93	0.244	0.119	0.156	4.91	3.463
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.60	3.70	3.82	3.74		0.244	0.119		4.908	
CO Total Exhaust:	3.60	3.70	3.82	3.74	4.93	0.244	0.119	0.156	4.91	3.463

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 53.0 Month: 01 1  
 \* File 1, Run 1, Scenario 118.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for

all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.65	3.75	3.88	3.79	5.02	0.246	0.120	0.157	4.91	3.512
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.65	3.75	3.88	3.79		0.246	0.120		4.908	
CO Total Exhaust:	3.65	3.75	3.88	3.79	5.02	0.246	0.120	0.157	4.91	3.512

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 54.0 Month: 01 1  
 \* File 1, Run 1, Scenario 119.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 54.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	-----	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.70	3.80	3.93	3.84	5.10	0.248	0.121	0.159	4.91	3.559

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	3.70	3.80	3.93	3.84	5.10	0.248	0.121	0.159	4.908	
CO Total Exhaust:	3.70	3.80	3.93	3.84	5.10	0.248	0.121	0.159	4.91	3.559

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 55.0 Month: 01 1

\* File 1, Run 1, Scenario 120.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 55.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	0.2658	0.4528	0.1801	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000	

Composite Emission Factors (g/mi):

Composite CO :	3.74	3.85	3.98	3.89	5.19	0.249	0.122	0.160	4.91	3.604
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

	CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000		
CO Running:	3.74	3.85	3.98	3.89	5.19	0.249	0.122	0.160	4.908	
CO Total Exhaust:	3.74	3.85	3.98	3.89	5.19	0.249	0.122	0.160	4.91	3.604

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 56.0 Month: 01 1

\* File 1, Run 1, Scenario 121.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 56.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.80	3.91	4.04	3.95	5.36	0.254	0.124	0.163	6.17	3.664
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.80	3.91	4.04	3.95		0.254	0.124		6.175	
CO Total Exhaust:	3.80	3.91	4.04	3.95	5.36	0.254	0.124	0.163	6.17	3.664

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 57.0 Month: 01 1  
 \* File 1, Run 1, Scenario 122.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.85	3.96	4.09	4.00	5.52	0.258	0.126	0.166	7.40	3.721
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.85	3.96	4.09	4.00		0.258	0.126		7.397	
CO Total Exhaust:	3.85	3.96	4.09	4.00	5.52	0.258	0.126	0.166	7.40	3.721

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 123.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:

there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.90	4.02	4.15	4.05	5.68	0.263	0.129	0.168	8.58	3.776
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	4.02	4.15	4.05		0.263	0.129		8.577	
CO Total Exhaust:	3.90	4.02	4.15	4.05	5.68	0.263	0.129	0.168	8.58	3.776

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 59.0 Month: 01 1  
 \* File 1, Run 1, Scenario 124.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 59.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.95	4.07	4.20	4.10	5.83	0.267	0.131	0.171	9.72	3.830
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.95	4.07	4.20	4.10		0.267	0.131		9.717	
CO Total Exhaust:	3.95	4.07	4.20	4.10	5.83	0.267	0.131	0.171	9.72	3.830

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 60.0 Month: 01 1  
 \* File 1, Run 1, Scenario 125.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 60.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.99	4.12	4.25	4.15	5.98	0.271	0.133	0.174	10.82	3.882
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.99	4.12	4.25	4.15		0.271	0.133		10.819	
CO Total Exhaust:	3.99	4.12	4.25	4.15	5.98	0.271	0.133	0.174	10.82	3.882

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 61.0 Month: 01 1

\* File 1, Run 1, Scenario 126.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 61.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000

2030MONT. OUT

Composite Emission Factors (g/mi):										
Composite CO :	4.05	4.17	4.30	4.21	6.26	0.279	0.136	0.179	12.08	3.943

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.05	4.17	4.30	4.21		0.279	0.136		12.079	
CO Total Exhaust:	4.05	4.17	4.30	4.21	6.26	0.279	0.136	0.179	12.08	3.943

---

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 62.0 Month: 01 1  
 \* File 1, Run 1, Scenario 127.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 62.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000

---

Composite Emission Factors (g/mi):

Composite CO :	4.10	4.23	4.36	4.27	6.53	0.287	0.140	0.184	13.30	4.003
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.10	4.23	4.36	4.27		0.287	0.140		13.297	
CO Total Exhaust:	4.10	4.23	4.36	4.27	6.53	0.287	0.140	0.184	13.30	4.003

---

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 63.0 Month: 01 1  
 \* File 1, Run 1, Scenario 128.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 63.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi



Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.15	4.28	4.41	4.32	6.79	0.294	0.144	0.188	14.48	4.061
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.15	4.28	4.41	4.32		0.294	0.144		14.478	
CO Total Exhaust:	4.15	4.28	4.41	4.32	6.79	0.294	0.144	0.188	14.48	4.061

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 64.0 Month: 01 1

\* File 1, Run 1, Scenario 129.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 64.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.20	4.33	4.47	4.37	7.04	0.301	0.147	0.193	15.62	4.117
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.20	4.33	4.47	4.37		0.301	0.147		15.621	
CO Total Exhaust:	4.20	4.33	4.47	4.37	7.04	0.301	0.147	0.193	15.62	4.117

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 65.0 Month: 01 1

\* File 1, Run 1, Scenario 130.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 65.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB  
M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VTM Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.25	4.38	4.52	4.42	7.28	0.308	0.151	0.197	16.73	4.171
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.25	4.38	4.52	4.42		0.308	0.151		16.729	
CO Total Exhaust:	4.25	4.38	4.52	4.42	7.28	0.308	0.151	0.197	16.73	4.171

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 34.6 Month: 01 1  
\* File 1, Run 1, Scenario 131.  
\* #####  
\* FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp

\* Reading Hourly Roadway VMT distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\VMT\_FAC\FV4.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
M 48 Warning: there are no sales for vehicle class HDGV8a  
M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB  
M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VTM Distribution:	0.2658	0.4528	0.1801		0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.15	5.09	5.21	5.12	5.13	0.285	0.139	0.182	6.68	4.766
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.15	5.09	5.21	5.12		0.285	0.139		6.682	
CO Total Exhaust:	5.15	5.09	5.21	5.12	5.13	0.285	0.139	0.182	6.68	4.766

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 12.9 Month: 01 1  
\* File 1, Run 1, Scenario 132.

\* #####  
 \* FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKCOLD.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2658	0.4528	0.1801	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	14.15	11.85	11.40	11.72	13.83	1.221	0.533	0.482	31.86	11.656
Exhaust emissions (g/mi):										
CO Start:	11.34	9.02	8.43	8.85		0.470	0.166		12.750	
CO Running:	2.81	2.83	2.97	2.87		0.752	0.368		19.109	
CO Total Exhaust:	14.15	11.85	11.40	11.72	13.83	1.221	0.533	0.482	31.86	11.656

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 12.9 Month: 01 1  
 \* File 1, Run 1, Scenario 133.  
 \* #####  
 \* FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKHOT.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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2030MONT. OUT

VTM Distribution:	0.2658	0.4528	0.1801	0.0223	0.0018	0.0004	0.0727	0.0041	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	4.18	3.96	4.04	3.98	13.83	0.909	0.423	0.482	21.30	4.065
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Exhaust emissions (g/mi):

CO Start:	1.37	1.13	1.07	1.11		0.157	0.055		2.195	
CO Running:	2.81	2.83	2.97	2.87		0.752	0.368		19.109	
CO Total Exhaust:	4.18	3.96	4.04	3.98	13.83	0.909	0.423	0.482	21.30	4.065

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\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 12.9 Month: 01 1  
 \* File 1, Run 1, Scenario 134.  
 \* #####  
 \* FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						

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VTM Distribution:	0.2875	0.4900	0.1950	0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	2.81	2.83	2.97	2.87	13.82	0.752	0.368	0.482	19.11	2.935
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.81	2.83	2.97	2.87		0.752	0.368		19.109	
CO Total Exhaust:	2.81	2.83	2.97	2.87	13.82	0.752	0.368	0.482	19.11	2.935

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\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 1.00 Month: 01 1  
 \* File 1, Run 1, Scenario 135.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc

M 52 Warning: 1.00 speed increased to 2.5 mph minimum  
 M583 Warning:  
 The user supplied arterial average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	11.87	11.44	11.88	11.57	32.12	1.623	0.794	1.041	90.92	11.921
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	11.87	11.44	11.88	11.57		1.623	0.794		90.925	
CO Total Exhaust:	11.87	11.44	11.88	11.57	32.12	1.623	0.794	1.041	90.92	11.921

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 136.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 M 52 Warning:  
 2.00 speed increased to 2.5 mph minimum  
 M583 Warning:  
 The user supplied arterial average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\06MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\06MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	11.87	11.44	11.88	11.57	32.12	1.623	0.794	1.041	90.92	11.921
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	11.87	11.44	11.88	11.57		1.623	0.794		90.925	
CO Total Exhaust:	11.87	11.44	11.88	11.57	32.12	1.623	0.794	1.041	90.92	11.921

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 137.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external

2030MONT. OUT  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.09	9.79	10.17	9.90	29.97	1.523	0.745	0.978	78.08	10.196
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	10.09	9.79	10.17	9.90		1.523	0.745		78.076	
CO Total Exhaust:	10.09	9.79	10.17	9.90	29.97	1.523	0.745	0.978	78.08	10.196

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 4.00 Month: 01 1  
\* File 1, Run 1, Scenario 138.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 4.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.88	7.72	8.02	7.81	27.28	1.399	0.684	0.898	62.02	8.041
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	

	CO Running:	7.88	7.72	8.02	7.81	2030MONT. OUT	1.399	0.684	62.016	
CO Total Exhaust:	7.88	7.72	8.02	7.81	27.28	1.399	0.684	0.898	62.02	8.041

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 5.00 Month: 01 1

\* File 1, Run 1, Scenario 139.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 5.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	6.55	6.48	6.73	6.55	25.66	1.325	0.648	0.850	52.38	6.748
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	6.55	6.48	6.73	6.55		1.325	0.648		52.379	
CO Total Exhaust:	6.55	6.48	6.73	6.55	25.66	1.325	0.648	0.850	52.38	6.748

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 6.00 Month: 01 1

\* File 1, Run 1, Scenario 140.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 6.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

## 2030MONT. OUT

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	5.72	5.69	5.91	5.76	22.80	1.188	0.581	0.762	43.31	5.908
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	5.72	5.69	5.91	5.76		1.188	0.581		43.308	
CO Total Exhaust:	5.72	5.69	5.91	5.76	22.80	1.188	0.581	0.762	43.31	5.908
-----										

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 141.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	5.13	5.13	5.33	5.19	20.75	1.090	0.533	0.699	36.83	5.309
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	5.13	5.13	5.33	5.19		1.090	0.533		36.828	
CO Total Exhaust:	5.13	5.13	5.33	5.19	20.75	1.090	0.533	0.699	36.83	5.309
-----										

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 8.00 Month: 01 1  
 \* File 1, Run 1, Scenario 142.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 8.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34



LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.69	4.71	4.89	4.76	19.22	1.016	0.497	0.652	31.97	4.859
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	4.69	4.71	4.89	4.76		1.016	0.497		31.968	
CO Total Exhaust:	4.69	4.71	4.89	4.76	19.22	1.016	0.497	0.652	31.97	4.859

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 9.00 Month: 01 1  
 \* File 1, Run 1, Scenario 143.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 9.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.35	4.38	4.55	4.43	18.03	0.959	0.469	0.616	28.19	4.509
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	4.35	4.38	4.55	4.43		0.959	0.469		28.188	
CO Total Exhaust:	4.35	4.38	4.55	4.43	18.03	0.959	0.469	0.616	28.19	4.509

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 10.0 Month: 01 1  
 \* File 1, Run 1, Scenario 144.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway

type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950	0.0049	0.0020	0.0004	0.0157	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	4.07	4.12	4.28	4.16	17.07	0.913	0.447	0.586	25.16	4.230
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	4.07	4.12	4.28	4.16		0.913	0.447		25.164	
CO Total Exhaust:	4.07	4.12	4.28	4.16	17.07	0.913	0.447	0.586	25.16	4.230

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 11.0 Month: 01 1  
 \* File 1, Run 1, Scenario 145.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 11.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950	0.0049	0.0020	0.0004	0.0157	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.87	3.92	4.07	3.96	15.69	0.844	0.413	0.542	22.76	4.015

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.87	3.92	4.07	3.96		0.844	0.413		22.759	
CO Total Exhaust:	3.87	3.92	4.07	3.96	15.69	0.844	0.413	0.542	22.76	4.015

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 146.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 12.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.71	3.75	3.89	3.79	14.54	0.786	0.385	0.505	20.75	3.836
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.71	3.75	3.89	3.79		0.786	0.385		20.754	
CO Total Exhaust:	3.71	3.75	3.89	3.79	14.54	0.786	0.385	0.505	20.75	3.836

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 147.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 13.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.56	3.61	3.75	3.65	13.56	0.737	0.361	0.473	19.06	3.685
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.56	3.61	3.75	3.65		0.737	0.361		19.058	
CO Total Exhaust:	3.56	3.61	3.75	3.65	13.56	0.737	0.361	0.473	19.06	3.685

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 148.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\06MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\06MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.44	3.49	3.62	3.53	12.73	0.695	0.340	0.446	17.60	3.556
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.44	3.49	3.62	3.53		0.695	0.340		17.604	
CO Total Exhaust:	3.44	3.49	3.62	3.53	12.73	0.695	0.340	0.446	17.60	3.556

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 149.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\06MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:

there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.34	3.38	3.51	3.42	12.00	0.659	0.322	0.423	16.34	3.443
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.34	3.38	3.51	3.42		0.659	0.322		16.344	
CO Total Exhaust:	3.34	3.38	3.51	3.42	12.00	0.659	0.322	0.423	16.34	3.443

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 150.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.25	3.29	3.42	3.33	11.23	0.619	0.303	0.397	15.33	3.345
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.25	3.29	3.42	3.33		0.619	0.303		15.329	
CO Total Exhaust:	3.25	3.29	3.42	3.33	11.23	0.619	0.303	0.397	15.33	3.345

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 151.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 17.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.17	3.21	3.33	3.25	10.55	0.583	0.285	0.374	14.43	3.258
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.17	3.21	3.33	3.25		0.583	0.285		14.434	
CO Total Exhaust:	3.17	3.21	3.33	3.25	10.55	0.583	0.285	0.374	14.43	3.258

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 18.0 Month: 01 1

\* File 1, Run 1, Scenario 152.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 18.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000

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Composite Emission Factors (g/mi):										
Composite CO :	3.09	3.14	3.26	3.17	9.94	0.552	0.270	0.354	13.64	3.180

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.09	3.14	3.26	3.17		0.552	0.270		13.637	
CO Total Exhaust:	3.09	3.14	3.26	3.17	9.94	0.552	0.270	0.354	13.64	3.180

---

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 153.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	3.03	3.08	3.19	3.11	9.40	0.523	0.256	0.336	12.93	3.111

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.03	3.08	3.19	3.11		0.523	0.256		12.925	
CO Total Exhaust:	3.03	3.08	3.19	3.11	9.40	0.523	0.256	0.336	12.93	3.111

---

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 154.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.97	3.02	3.13	3.05	8.91	0.498	0.243	0.319	12.28	3.049
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.97	3.02	3.13	3.05		0.498	0.243		12.284	
CO Total Exhaust:	2.97	3.02	3.13	3.05	8.91	0.498	0.243	0.319	12.28	3.049

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 155.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 21.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.92	2.97	3.08	3.00	8.46	0.473	0.231	0.304	11.69	2.995
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.92	2.97	3.08	3.00		0.473	0.231		11.691	
CO Total Exhaust:	2.92	2.97	3.08	3.00	8.46	0.473	0.231	0.304	11.69	2.995

\* #####

\* St &amp; Cnty: 24031 MY: 2030 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 156.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 22.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a



M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.88	2.92	3.04	2.96	8.04	0.450	0.220	0.289	11.15	2.946
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.88	2.92	3.04	2.96		0.450	0.220		11.153	
CO Total Exhaust:	2.88	2.92	3.04	2.96	8.04	0.450	0.220	0.289	11.15	2.946

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 23.0 Month: 01 1  
\* File 1, Run 1, Scenario 157.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.84	2.88	2.99	2.91	7.66	0.430	0.210	0.276	10.66	2.902
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.84	2.88	2.99	2.91		0.430	0.210		10.661	
CO Total Exhaust:	2.84	2.88	2.99	2.91	7.66	0.430	0.210	0.276	10.66	2.902

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 24.0 Month: 01 1  
\* File 1, Run 1, Scenario 158.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950	0.0049	0.0020	0.0004	0.0157	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	2.80	2.85	2.95	2.88	7.31	0.411	0.201	0.264	10.21	2.861
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.80	2.85	2.95	2.88		0.411	0.201		10.210	
CO Total Exhaust:	2.80	2.85	2.95	2.88	7.31	0.411	0.201	0.264	10.21	2.861

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 25.0 Month: 01 1  
 \* File 1, Run 1, Scenario 159.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh

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VTM Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
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Composite Emission Factors (g/mi):										
Composite CO :	2.76	2.81	2.92	2.84	6.99	0.393	0.192	0.253	9.79	2.823

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.76	2.81	2.92	2.84		0.393	0.192		9.795	
CO Total Exhaust:	2.76	2.81	2.92	2.84	6.99	0.393	0.192	0.253	9.79	2.823

---

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 26.0 Month: 01 1  
 \* File 1, Run 1, Scenario 160.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

---

VTM Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
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---

Composite Emission Factors (g/mi):										
Composite CO :	2.75	2.80	2.90	2.83	6.72	0.378	0.185	0.242	9.38	2.807

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.75	2.80	2.90	2.83		0.378	0.185		9.379	
CO Total Exhaust:	2.75	2.80	2.90	2.83	6.72	0.378	0.185	0.242	9.38	2.807

---

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 27.0 Month: 01 1  
 \* File 1, Run 1, Scenario 161.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.74	2.79	2.89	2.82	6.46	0.363	0.178	0.233	8.99	2.792
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.74	2.79	2.89	2.82		0.363	0.178		8.995	
CO Total Exhaust:	2.74	2.79	2.89	2.82	6.46	0.363	0.178	0.233	8.99	2.792

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 28.0 Month: 01 1

\* File 1, Run 1, Scenario 162.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.72	2.77	2.88	2.80	6.23	0.350	0.171	0.224	8.64	2.778
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.72	2.77	2.88	2.80		0.350	0.171		8.637	
CO Total Exhaust:	2.72	2.77	2.88	2.80	6.23	0.350	0.171	0.224	8.64	2.778

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 29.0 Month: 01 1

\* File 1, Run 1, Scenario 163.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.71	2.76	2.87	2.79	6.00	0.337	0.165	0.216	8.30	2.764
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.71	2.76	2.87	2.79		0.337	0.165		8.305	
CO Total Exhaust:	2.71	2.76	2.87	2.79	6.00	0.337	0.165	0.216	8.30	2.764

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 30.0 Month: 01 1  
 \* File 1, Run 1, Scenario 164.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.70	2.75	2.86	2.78	5.80	0.325	0.159	0.209	7.99	2.752
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.70	2.75	2.86	2.78		0.325	0.159		7.994	
CO Total Exhaust:	2.70	2.75	2.86	2.78	5.80	0.325	0.159	0.209	7.99	2.752

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 165.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.71	2.76	2.87	2.79	5.64	0.316	0.154	0.203	7.69	2.759
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.71	2.76	2.87	2.79		0.316	0.154		7.693	
CO Total Exhaust:	2.71	2.76	2.87	2.79	5.64	0.316	0.154	0.203	7.69	2.759

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 166.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

## 2030MONT. OUT

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.72	2.77	2.88	2.80	5.48	0.306	0.150	0.197	7.41	2.766
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.72	2.77	2.88	2.80		0.306	0.150		7.411	
CO Total Exhaust:	2.72	2.77	2.88	2.80	5.48	0.306	0.150	0.197	7.41	2.766

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 33.0 Month: 01 1

\* File 1, Run 1, Scenario 167.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 33.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.73	2.78	2.89	2.81	5.34	0.298	0.146	0.191	7.15	2.772
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.73	2.78	2.89	2.81		0.298	0.146		7.145	
CO Total Exhaust:	2.73	2.78	2.89	2.81	5.34	0.298	0.146	0.191	7.15	2.772

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 168.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 34.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.

Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.73	2.79	2.90	2.82	5.21	0.289	0.142	0.186	6.90	2.778
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.73	2.79	2.90	2.82		0.289	0.142		6.895	
CO Total Exhaust:	2.73	2.79	2.90	2.82	5.21	0.289	0.142	0.186	6.90	2.778
-----										

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 169.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.74	2.80	2.90	2.83	5.08	0.282	0.138	0.181	6.66	2.784
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.74	2.80	2.90	2.83		0.282	0.138		6.660	
CO Total Exhaust:	2.74	2.80	2.90	2.83	5.08	0.282	0.138	0.181	6.66	2.784
-----										

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 36.0 Month: 01 1

\* File 1, Run 1, Scenario 170.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK



M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.80	2.86	2.96	2.89	4.99	0.276	0.135	0.177	6.45	2.839
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.80	2.86	2.96	2.89		0.276	0.135		6.454	
CO Total Exhaust:	2.80	2.86	2.96	2.89	4.99	0.276	0.135	0.177	6.45	2.839

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 37.0 Month: 01 1  
\* File 1, Run 1, Scenario 171.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc

M583 Warning:  
The user supplied arterial average speed of 37.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.85	2.91	3.02	2.94	4.91	0.270	0.132	0.173	6.26	2.891
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.85	2.91	3.02	2.94		0.270	0.132		6.259	

CO Total Exhaust:	2.85	2.91	3.02	2.94	2030MONT. OUT	4.91	0.270	0.132	0.173	6.26	2.891
-------------------	------	------	------	------	---------------	------	-------	-------	-------	------	-------

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 172.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2875	0.4900	0.1950	0.0049	0.0020	0.0004	0.0157	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	2.90	2.97	3.07	3.00	4.84	0.265	0.130	0.170	6.07	2.940
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.90	2.97	3.07	3.00		0.265	0.130		6.074	
CO Total Exhaust:	2.90	2.97	3.07	3.00	4.84	0.265	0.130	0.170	6.07	2.940

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 39.0 Month: 01 1  
 \* File 1, Run 1, Scenario 173.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D  
 Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

2030MONT.OUT

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.02	3.12	3.05	4.77	0.260	0.127	0.167	5.90	2.987

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.95	3.02	3.12	3.05		0.260	0.127		5.899	
CO Total Exhaust:	2.95	3.02	3.12	3.05	4.77	0.260	0.127	0.167	5.90	2.987

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 40.0 Month: 01 1  
 \* File 1, Run 1, Scenario 174.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.99	3.06	3.17	3.09	4.70	0.255	0.125	0.164	5.73	3.031

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	2.99	3.06	3.17	3.09		0.255	0.125		5.733	
CO Total Exhaust:	2.99	3.06	3.17	3.09	4.70	0.255	0.125	0.164	5.73	3.031

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 175.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

2030MONT. OUT  
LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.05	3.12	3.23	3.15	4.68	0.252	0.123	0.162	5.60	3.086
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.05	3.12	3.23	3.15		0.252	0.123		5.604	
CO Total Exhaust:	3.05	3.12	3.23	3.15	4.68	0.252	0.123	0.162	5.60	3.086

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 42.0 Month: 01 1  
\* File 1, Run 1, Scenario 176.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc  
M583 Warning:

The user supplied arterial average speed of 42.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.10	3.18	3.29	3.21	4.65	0.250	0.122	0.160	5.48	3.138
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.10	3.18	3.29	3.21		0.250	0.122		5.482	
CO Total Exhaust:	3.10	3.18	3.29	3.21	4.65	0.250	0.122	0.160	5.48	3.138

\* #####  
\* St & Cnty: 24031 MY: 2030 Speed: 43.0 Month: 01 1  
\* File 1, Run 1, Scenario 177.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art\_Loc  
M583 Warning:

The user supplied arterial average speed of 43.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.23	3.34	3.26	4.63	0.247	0.121	0.158	5.37	3.188
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.15	3.23	3.34	3.26		0.247	0.121		5.365	
CO Total Exhaust:	3.15	3.23	3.34	3.26	4.63	0.247	0.121	0.158	5.37	3.188

\* #####  
 \* St & Cnty: 24031 MY: 2030 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 178.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.28	3.39	3.31	4.61	0.244	0.120	0.157	5.25	3.236
Exhaust emissions (g/mi):										

## 2030MONT. OUT

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.20	3.28	3.39	3.31		0.244	0.120		5.254	
CO Total Exhaust:	3.20	3.28	3.39	3.31	4.61	0.244	0.120	0.157	5.25	3.236

\* #####

\* St & Cnty: 24031 MY: 2030 Speed: 45.0 Month: 01 1

\* File 1, Run 1, Scenario 179.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 45.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file E:\AQPROG\MOBILE62\O6MDCOM\EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700  
Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300  
Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Al l Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2875	0.4900	0.1950		0.0049	0.0020	0.0004	0.0157	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.24	3.33	3.44	3.36	4.60	0.242	0.118	0.155	5.15	3.281
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.11		0.000	0.000		0.000	
CO Running:	3.24	3.33	3.44	3.36		0.242	0.118		5.148	
CO Total Exhaust:	3.24	3.33	3.44	3.36	4.60	0.242	0.118	0.155	5.15	3.281

MOBILE6 INPUT FILE :  
 > HEADER: State - MD / County - Prince George

REPORT FILE : 2030PG.OUT REPLACE  
 DATABASE OUTPUT :  
 WITH FIELDNAMES :  
 Pollutants : CO  
 DAILY OUTPUT :  
 EMISSIONS TABLE : 2030PG.TB1 REPLACE  
 SPREADSHEET : 2030PG.TAB REPLACE  
 AGGREGATED OUTPUT :

RUN DATA :  
 >COMMENTS  
 >24 033

EXPRESS HC AS VOC :  
 EXPAND EVAPORATIVE :  
 EXPAND EXHAUST :

NO REFUELING :  
 REBUILD EFFECTS : 0.90  
 WE DA TRI LEN DI : Ext\_Data\Trip\_Len\WeekTLD2.WDT  
 94+ LDG IMP : Ext\_Data\LEV\NLEVNE.D

FUEL PROGRAM : 4  
 300.0 299.0 279.0 259.0 121.0 92.0 33.0 33.0  
 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0  
 1000.0 1000.0 1000.0 1000.0 303.0 303.0 87.0 87.0  
 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

\* MOBILE6 default winter oxygenated fuel.  
 OXYGENATED FUELS : 0.7000 0.3000 0.015 0.035 1

\* Registration Distribution Source File - EXT\_DATA\RDT\R05\_PRGR.RDT  
 REG DIST : Ext\_Data\RDT\R05\_PRGR.RDT

\* Anti-Tampering Program Source File - C:\MWC0G\IM\_ATP\MD\_ATP\_02\_MP.ATP  
 ANTI-TAMP PROG :

\*\* Applicable for counties: Montgomery and Prince George's  
 89 77 50 22222 22222111 1 12 096. 12211112

\* Inspection and Maintenance (I/M) Source File - C:\MWC0G\IM\_ATP\MD\_IM\_2020\_MP.IM  
 >IM Program. Idle, IM240, and OBD.  
 >Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

\*Idle older LDGV, LDGT  
 I/M PROGRAM : 1 1984 2050 2 T/O Idle  
 I/M MODEL YEARS : 1 1977 1983  
 I/M VEHICLES : 1 22222 11111111 1  
 I/M STRINGENCY : 1 20.0  
 I/M COMPLIANCE : 1 96.0  
 I/M WAIVER RATES : 1 13.8 13.8  
 I/M GRACE PERIOD : 1 2

\*Idle HDGT  
 I/M PROGRAM : 2 1984 2050 2 T/O Idle  
 I/M MODEL YEARS : 2 1977 2050  
 I/M VEHICLES : 2 11111 22222111 1  
 I/M STRINGENCY : 2 20.0  
 I/M COMPLIANCE : 2 96.0  
 I/M WAIVER RATES : 2 13.8 13.8  
 I/M GRACE PERIOD : 2 2

\*IM240  
 I/M PROGRAM : 3 1984 2050 2 T/O IM240  
 I/M MODEL YEARS : 3 1984 1995  
 I/M VEHICLES : 3 22222 11111111 1  
 I/M STRINGENCY : 3 20.0  
 I/M COMPLIANCE : 3 96.0  
 I/M WAIVER RATES : 3 13.8 13.8  
 I/M CUTPOINTS : 3 Ext\_Data\IM\_ATP\MD.C20  
 I/M GRACE PERIOD : 3 2

\*OBD  
 I/M PROGRAM : 4 1984 2050 2 T/O OBD I/M  
 I/M MODEL YEARS : 4 1996 2050  
 I/M VEHICLES : 4 22222 11111111 1  
 I/M STRINGENCY : 4 20.0  
 I/M COMPLIANCE : 4 96.0  
 I/M WAIVER RATES : 4 5.4 5.4  
 I/M GRACE PERIOD : 4 2

\*OBD Evap (Actual Start Year: July 2002)  
 I/M PROGRAM : 5 2002 2050 2 T/O EVAP OBD  
 I/M MODEL YEARS : 5 1996 2050  
 I/M VEHICLES : 5 22222 11111111 1  
 I/M COMPLIANCE : 5 96.0  
 I/M WAIVER RATES : 5 5.4 5.4  
 I/M GRACE PERIOD : 5 2

\* Diesel Sales Fractions Source File - C:\MWC0G\EXT\_DATA\DSF\D30\_PRGR  
 DIESEL FRACTIONS :  
 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068  
 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068 0.0068  
 0.0068 0.0068 0.0068 0.0068 0.0068  
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000  
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 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000  
 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009 0.0009  
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0.9574 0.9574 0.9574 0.9574 0.9574 0.9574 0.9574 0.9574 0.9574 0.9574  
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1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000  
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1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000

MIN/MAX TEMPERATURE: 33.00 53.00  
FUEL RVP : 12.90

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 1.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO 0: 1 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 1.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 2.50 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO 0: 2 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 2.50 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 3.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO 0: 3 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 3.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 4.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO 0: 4 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 4.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 5.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO 0: 5 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 5.00 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 6.00 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO 0: 6 RoadType: Arterial  
CALENDAR YEAR : 2030



EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :

0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 14.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 14.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 15.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 15.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 16.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 16.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 17.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 17.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 18.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 18.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 19.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 19.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 20.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 20.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 21.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1

ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 33 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial

SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 40.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 40.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 41.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 41.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 42.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 42.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 43.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 43.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 44.0 Month: 01 1  
 Page 7

2030PG. IN  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 44.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 45.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 45.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 46.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 46.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 47.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 47.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 48.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 48.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 49.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 49.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 50.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 50.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 51.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 51.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

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* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 52.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 52.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 53.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 53.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 54.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 54.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 55.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 55.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 56.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 56.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 57.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 57.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 58.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 58.0 Arterial
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 59.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial
CALENDAR YEAR : 2030

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EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 59.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 60.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 60.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 61.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 61.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 62.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 62.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 63.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 63.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 64.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 64.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 65.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 65.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :



0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1

ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 16.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Non-Ramp

SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 32.0 Month: 01 1  
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2030PG. IN  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 39.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 39.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

```

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 40.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 40.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 41.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 41.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 42.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 42.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 43.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 43.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 44.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 44.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 45.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 45.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 46.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp
CALENDAR YEAR : 2030
EVALUATION MONTH : 1
ALTITUDE : 1
ABSOLUTE HUMIDITY : 75.0
AVERAGE SPEED : 46.0 Non-Ramp
SOAK DISTRIBUTION : Ext_Data\OpMode\SOAKZERO.SK

* VMT Source File - C:\MWC\EXT_DATA\VMT_MIX\WINTER\V30_PRGR.VM
VMT FRACTIONS :
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 47.0 Month: 01 1
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp
CALENDAR YEAR : 2030

```

EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 47.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 48.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 48.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 49.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 49.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 50.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 50.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 51.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 51.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 52.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 52.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 53.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 53.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 54.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTI TUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 54.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM

VMT FRACTIONS :

0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 55.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 55.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 56.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 56.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 57.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 57.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 58.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 58.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 59.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 59.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 60.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 60.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 61.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 61.0 Non-Ramp  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
VMT FRACTIONS :  
0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 62.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTITUDE : 1



ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 62.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 63.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 63.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 64.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 64.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 65.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 65.0 Non-Ramp  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 34.6 Month: 01 1  
 >FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV4.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKCOLD.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKHOT.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\V30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2731 0.0949 0.3505 0.1215 0.0606 0.0313 0.0030 0.0027  
 0.0028 0.0092 0.0070 0.0093 0.0296 0.0000 0.0000 0.0045

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 12.9 Month: 01 1  
 >FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 VMT BY FACILITY : Ext\_Data\Vmt\_Fac\FV3.FV  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 1.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 1.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 2.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 2.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 3.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 3.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 4.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 4.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 5.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 5.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 6.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 6.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 7.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 7.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 8.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 8.00 Arterial

SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 9.00 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 9.00 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 10.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 10.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 11.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 11.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 12.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 12.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 13.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 13.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 14.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 14.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 15.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 15.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 16.0 Month: 01 1  
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2030PG. IN  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 16.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 17.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 17.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 18.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 18.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 19.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 19.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 20.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 20.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 21.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 21.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 22.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 22.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 23.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 23.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 24.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 24.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 25.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 25.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 26.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 26.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 27.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 27.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 28.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 28.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 29.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 29.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 30.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 30.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
 VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 31.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030

EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 31.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 32.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 32.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 33.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 33.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 34.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 34.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 35.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 35.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 36.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 36.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 37.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 37.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :  
 0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
 0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 38.0 Month: 01 1  
 >FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc  
 CALENDAR YEAR : 2030  
 EVALUATION MONTH : 1  
 ALTITUDE : 1  
 ABSOLUTE HUMIDITY : 75.0  
 AVERAGE SPEED : 38.0 Arterial  
 SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM

VMT FRACTIONS :

0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 39.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 39.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
VMT FRACTIONS :  
0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 40.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 40.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
VMT FRACTIONS :  
0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 41.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 41.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
VMT FRACTIONS :  
0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 42.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 42.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
VMT FRACTIONS :  
0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 43.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art\_Loc  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 43.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
VMT FRACTIONS :  
0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 44.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 44.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
VMT FRACTIONS :  
0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

SCENARIO RECORD : St & Cnty: 24033 MY: 2030 Speed: 45.0 Month: 01 1  
>FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc  
CALENDAR YEAR : 2030  
EVALUATION MONTH : 1  
ALTI TUDE : 1  
ABSOLUTE HUMIDITY : 75.0  
AVERAGE SPEED : 45.0 Arterial  
SOAK DISTRIBUTION : Ext\_Data\OpMode\SOAKZERO.SK

\* VMT Source File - C:\MWC0G\EXT\_DATA\VMT\_MIX\WINTER\L30\_PRGR.VM  
VMT FRACTIONS :  
0.2955 0.1027 0.3792 0.1314 0.0656 0.0068 0.0007 0.0006  
0.0006 0.0020 0.0015 0.0020 0.0066 0.0000 0.0000 0.0048

END OF RUN :

\*\*\*\*\*2030PG. OUT\*\*\*\*\*  
\* MOBILE6.2.03 (24-Sep-2003) \*  
\* Input file: 2030PG.IN (file 1, run 1). \*  
\*\*\*\*\*

\*COMMENTS  
\*24 033  
M603 Comment:  
User has disabled the calculation of REFUELING emissions.

\* Reading non-default WEEKDAY RUNNING LOSS HOURLY TRIP LENGTH FRACTIONS  
\* from the following external data file: EXT\_DATA\TRIP\_LEN\WEEKTLD2.WDT

\* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external  
\* data file: EXT\_DATA\LEV\NLEVNE.D  
M616 Comment:  
User has supplied post-1999 sulfur levels.

\* Reading Registration Distributions from the following external  
\* data file: EXT\_DATA\RDTR\RO5\_PRGR.RDT  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)  
M 49 Warning:  
1.00 MYR sum not = 1. (will normalize)

\*IM Program. Idle, IM240, and OBD.  
\*Waiver rates based on July - December 2004 initial tests results through 18 months after testing.

\* Reading non-default I/M CUTPOINTS from the following external  
\* data file: EXT\_DATA\IM\_ATP\MD.C20  
\* CY 18 and subsequent years.  
\* CUTPOINTS 75% TO FINAL FOR 1994 AND 1995. IMPLEMENTED MAY 2005.  
M614 Comment:  
User supplied diesel sale fractions.

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 1.00 Month: 01 1  
\* File 1, Run 1, Scenario 1.  
\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 1 RoadType: Arterial  
M 52 Warning:  
1.00 speed increased to 2.5 mph minimum  
M583 Warning:  
The user supplied arterial average speed of 2.5  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

\*\*\* I/M credits for Tech1&2 vehicles were read from the following external  
data file: TECH12.D  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34  
HDDV DEFEAT DEVICE EFFECTS ARE PRESENT. THE REBUILD FRACTION IS 0.90.

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Alt Veh
GVWR:		<6000	>6000	(Alt)						



2030PG. OUT

VTM Distribution:	0.2712	0.4450	0.1821	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	12.91	12.85	13.15	12.94	32.81	1.656	0.816	1.040	90.19	12.828
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000		
CO Running:	12.91	12.85	13.15	12.94	1.656	0.816			90.192	
CO Total Exhaust:	12.91	12.85	13.15	12.94	32.81	1.656	0.816	1.040	90.19	12.828

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 2.50 Month: 01 1  
 \* File 1, Run 1, Scenario 2.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 2 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

---

VTM Distribution:	0.2712	0.4450	0.1821	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
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Composite Emission Factors (g/mi):

Composite CO :	12.91	12.85	13.15	12.94	32.81	1.656	0.816	1.040	90.19	12.828
----------------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000		
CO Running:	12.91	12.85	13.15	12.94	1.656	0.816			90.192	
CO Total Exhaust:	12.91	12.85	13.15	12.94	32.81	1.656	0.816	1.040	90.19	12.828

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 3.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 3 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.98	10.99	11.25	11.07	30.61	1.554	0.766	0.976	77.45	11.021
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.98	10.99	11.25	11.07		1.554	0.766		77.447	
CO Total Exhaust:	10.98	10.99	11.25	11.07	30.61	1.554	0.766	0.976	77.45	11.021

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 4.00 Month: 01 1  
 \* File 1, Run 1, Scenario 4.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 4 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.56	8.67	8.87	8.73	27.87	1.427	0.704	0.897	61.52	8.762
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	8.56	8.67	8.87	8.73		1.427	0.704		61.516	
CO Total Exhaust:	8.56	8.67	8.87	8.73	27.87	1.427	0.704	0.897	61.52	8.762

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 5.00 Month: 01 1  
 \* File 1, Run 1, Scenario 5.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 5 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:

there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.12	7.28	7.45	7.33	26.22	1.351	0.666	0.849	51.96	7.407
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	7.12	7.28	7.45	7.33		1.351	0.666		51.957	
CO Total Exhaust:	7.12	7.28	7.45	7.33	26.22	1.351	0.666	0.849	51.96	7.407

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 6.00 Month: 01 1  
 \* File 1, Run 1, Scenario 6.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 6 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.22	6.39	6.54	6.44	23.29	1.212	0.597	0.761	42.96	6.493
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.22	6.39	6.54	6.44		1.212	0.597		42.958	
CO Total Exhaust:	6.22	6.39	6.54	6.44	23.29	1.212	0.597	0.761	42.96	6.493

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 7.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 7 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Al l Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.58	5.76	5.89	5.80	21.20	1.112	0.548	0.698	36.53	5.839
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.58	5.76	5.89	5.80		1.112	0.548		36.531	
CO Total Exhaust:	5.58	5.76	5.89	5.80	21.20	1.112	0.548	0.698	36.53	5.839

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 8.00 Month: 01 1  
 \* File 1, Run 1, Scenario 8.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 8 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 8.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

## 2030PG. OUT

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.10	5.29	5.41	5.32	19.64	1.037	0.511	0.651	31.71	5.350
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.10	5.29	5.41	5.32		1.037	0.511		31.710	
CO Total Exhaust:	5.10	5.29	5.41	5.32	19.64	1.037	0.511	0.651	31.71	5.350

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 9.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 9 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 9.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.73	4.92	5.03	4.95	18.42	0.978	0.482	0.615	27.96	4.969
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.73	4.92	5.03	4.95		0.978	0.482		27.961	
CO Total Exhaust:	4.73	4.92	5.03	4.95	18.42	0.978	0.482	0.615	27.96	4.969

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 10.0 Month: 01 1

\* File 1, Run 1, Scenario 10.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 10 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 10.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.

Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.43	4.62	4.73	4.65	17.44	0.932	0.459	0.585	24.96	4.664
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.43	4.62	4.73	4.65		0.932	0.459		24.961	
CO Total Exhaust:	4.43	4.62	4.73	4.65	17.44	0.932	0.459	0.585	24.96	4.664

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 11.0 Month: 01 1

\* File 1, Run 1, Scenario 11.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 11 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 11.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.21	4.40	4.50	4.43	16.03	0.861	0.424	0.541	22.58	4.418
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.21	4.40	4.50	4.43		0.861	0.424		22.575	
CO Total Exhaust:	4.21	4.40	4.50	4.43	16.03	0.861	0.424	0.541	22.58	4.418

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 12.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 12 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 12.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.03	4.21	4.31	4.24	14.85	0.802	0.395	0.504	20.59	4.212
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.03	4.21	4.31	4.24		0.802	0.395		20.587	
CO Total Exhaust:	4.03	4.21	4.31	4.24	14.85	0.802	0.395	0.504	20.59	4.212

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 13.0 Month: 01 1  
\* File 1, Run 1, Scenario 13.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 13 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 13.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.88	4.05	4.15	4.08	13.86	0.752	0.371	0.473	18.90	4.039
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.88	4.05	4.15	4.08		0.752	0.371		18.904	

CO Total Exhaust: 3.88 4.05 4.15 4.08 2030PG. OUT 13.86 0.752 0.371 0.473 18.90 4.039

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 14.0 Month: 01 1  
\* File 1, Run 1, Scenario 14.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 14 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 14.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.74	3.92	4.01	3.94	13.00	0.710	0.350	0.446	17.46	3.890
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.74	3.92	4.01	3.94		0.710	0.350		17.462	
CO Total Exhaust:	3.74	3.92	4.01	3.94	13.00	0.710	0.350	0.446	17.46	3.890

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 15.0 Month: 01 1  
\* File 1, Run 1, Scenario 15.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 15 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 15.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No



2030PG.OUT

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
    Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.63	3.80	3.89	3.82	12.26	0.672	0.331	0.422	16.21	3.761
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.63	3.80	3.89	3.82		0.672	0.331		16.213	
CO Total Exhaust:	3.63	3.80	3.89	3.82	12.26	0.672	0.331	0.422	16.21	3.761

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 16.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 16 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
    Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.53	3.70	3.78	3.72	11.47	0.631	0.311	0.397	15.21	3.645
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.53	3.70	3.78	3.72		0.631	0.311		15.206	
CO Total Exhaust:	3.53	3.70	3.78	3.72	11.47	0.631	0.311	0.397	15.21	3.645

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 17.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 17 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	3.44	3.61	3.69	3.63	10.78	0.595	0.293	0.374	14.32	3.543
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	0.00	-----	0.000	0.000	-----	0.000	-----
CO Running:	3.44	3.61	3.69	3.63	-----	0.595	0.293	-----	14.317	-----
CO Total Exhaust:	3.44	3.61	3.69	3.63	10.78	0.595	0.293	0.374	14.32	3.543

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 18.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 18 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	3.36	3.53	3.61	3.55	10.16	0.563	0.277	0.353	13.53	3.452
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	0.00	-----	0.000	0.000	-----	0.000	-----
CO Running:	3.36	3.53	3.61	3.55	-----	0.563	0.277	-----	13.528	-----
CO Total Exhaust:	3.36	3.53	3.61	3.55	10.16	0.563	0.277	0.353	13.53	3.452

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 19.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 19 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.29	3.45	3.53	3.48	9.60	0.534	0.263	0.335	12.82	3.370
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.29	3.45	3.53	3.48		0.534	0.263		12.821	
CO Total Exhaust:	3.29	3.45	3.53	3.48	9.60	0.534	0.263	0.335	12.82	3.370

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 20.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 20 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.23	3.39	3.47	3.41	9.11	0.508	0.250	0.319	12.19	3.297
Exhaust emissions (g/mi):										

## 2030PG. OUT

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.23	3.39	3.47	3.41		0.508	0.250		12.185	
CO Total Exhaust:	3.23	3.39	3.47	3.41	9.11	0.508	0.250	0.319	12.19	3.297

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 21.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 21 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 21.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Alt Veh
---------------	------	--------	--------	------	------	------	------	------	----	---------

GVWR:		<6000	>6000	(All)						
-------	--	-------	-------	-------	--	--	--	--	--	--

VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite CO :	3.18	3.33	3.41	3.36	8.64	0.483	0.238	0.303	11.60	3.233
----------------	------	------	------	------	------	-------	-------	-------	-------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.18	3.33	3.41	3.36		0.483	0.238		11.597	
CO Total Exhaust:	3.18	3.33	3.41	3.36	8.64	0.483	0.238	0.303	11.60	3.233

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 22.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 22 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 22.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes

ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.13	3.28	3.36	3.30	8.21	0.459	0.226	0.289	11.06	3.175
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.13	3.28	3.36	3.30		0.459	0.226		11.063	
CO Total Exhaust:	3.13	3.28	3.36	3.30	8.21	0.459	0.226	0.289	11.06	3.175

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 23.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 23 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 23.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.08	3.24	3.31	3.26	7.83	0.438	0.216	0.275	10.57	3.122
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.08	3.24	3.31	3.26		0.438	0.216		10.575	
CO Total Exhaust:	3.08	3.24	3.31	3.26	7.83	0.438	0.216	0.275	10.57	3.122

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 24.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 24 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 24.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.04	3.20	3.27	3.22	7.47	0.419	0.207	0.263	10.13	3.074
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.04	3.20	3.27	3.22		0.419	0.207		10.128	
CO Total Exhaust:	3.04	3.20	3.27	3.22	7.47	0.419	0.207	0.263	10.13	3.074

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 25.0 Month: 01 1  
\* File 1, Run 1, Scenario 25.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 25 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 25.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.00	3.16	3.23	3.18	7.15	0.401	0.198	0.252	9.72	3.029
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.00	3.16	3.23	3.18		0.401	0.198		9.716	
CO Total Exhaust:	3.00	3.16	3.23	3.18	7.15	0.401	0.198	0.252	9.72	3.029

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 26.0 Month: 01 1  
\* File 1, Run 1, Scenario 26.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 26 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 26.0

will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7

M 48 Warning: there are no sales for vehicle class HDGV8a

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.99	3.14	3.21	3.16	6.86	0.385	0.190	0.242	9.30	3.007
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.99	3.14	3.21	3.16		0.385	0.190		9.304	
CO Total Exhaust:	2.99	3.14	3.21	3.16	6.86	0.385	0.190	0.242	9.30	3.007

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 27.0 Month: 01 1

\* File 1, Run 1, Scenario 27.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 27 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 27.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7

M 48 Warning: there are no sales for vehicle class HDGV8a

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										

Composite CO :	2.97	3.13	3.20	3.15	2030PG. OUT 6.60	0.371	0.183	0.233	8.92	2.986
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Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.97	3.13	3.20	3.15		0.371	0.183		8.922	
CO Total Exhaust:	2.97	3.13	3.20	3.15	6.60	0.371	0.183	0.233	8.92	2.986

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 28.0 Month: 01 1  
 \* File 1, Run 1, Scenario 28.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 28 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000

---

Composite Emission Factors (g/mi):	2.96	3.12	3.19	3.14	6.36	0.357	0.176	0.224	8.57	2.967
------------------------------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.96	3.12	3.19	3.14		0.357	0.176		8.568	
CO Total Exhaust:	2.96	3.12	3.19	3.14	6.36	0.357	0.176	0.224	8.57	2.967

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 29.0 Month: 01 1  
 \* File 1, Run 1, Scenario 29.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 29 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm



Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.10	3.17	3.12	6.13	0.344	0.170	0.216	8.24	2.949
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.95	3.10	3.17	3.12		0.344	0.170		8.238	
CO Total Exhaust:	2.95	3.10	3.17	3.12	6.13	0.344	0.170	0.216	8.24	2.949

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 30.0 Month: 01 1  
 \* File 1, Run 1, Scenario 30.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 30 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.94	3.09	3.16	3.11	5.92	0.332	0.164	0.209	7.93	2.932
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.94	3.09	3.16	3.11		0.332	0.164		7.930	
CO Total Exhaust:	2.94	3.09	3.16	3.11	5.92	0.332	0.164	0.209	7.93	2.932

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 31.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 31 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:

there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.10	3.17	3.12	5.76	0.322	0.159	0.202	7.63	2.936
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.95	3.10	3.17	3.12		0.322	0.159		7.631	
CO Total Exhaust:	2.95	3.10	3.17	3.12	5.76	0.322	0.159	0.202	7.63	2.936

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 32.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 32 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.11	3.18	3.13	5.60	0.313	0.154	0.196	7.35	2.940
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.95	3.11	3.18	3.13		0.313	0.154		7.351	
CO Total Exhaust:	2.95	3.11	3.18	3.13	5.60	0.313	0.154	0.196	7.35	2.940

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 33.0 Month: 01 1  
 \* File 1, Run 1, Scenario 33.  
 \* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial 2030PG. OUT  
SCENARIO: 33 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 33.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.96	3.12	3.19	3.14	5.46	0.304	0.150	0.191	7.09	2.943
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.96	3.12	3.19	3.14		0.304	0.150		7.088	
CO Total Exhaust:	2.96	3.12	3.19	3.14	5.46	0.304	0.150	0.191	7.09	2.943

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 34.0 Month: 01 1  
\* File 1, Run 1, Scenario 34.

\* #####  
\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 34 RoadType: Arterial

M583 Warning:  
The user supplied arterial average speed of 34.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

2030PG. OUT										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.97	3.13	3.20	3.15	5.32	0.295	0.146	0.185	6.84	2.947
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.97	3.13	3.20	3.15		0.295	0.146		6.840	
CO Total Exhaust:	2.97	3.13	3.20	3.15	5.32	0.295	0.146	0.185	6.84	2.947

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 35.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 35 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 35.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.98	3.14	3.21	3.16	5.19	0.287	0.142	0.181	6.61	2.950
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.98	3.14	3.21	3.16		0.287	0.142		6.606	
CO Total Exhaust:	2.98	3.14	3.21	3.16	5.19	0.287	0.142	0.181	6.61	2.950

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 36.0 Month: 01 1

\* File 1, Run 1, Scenario 36.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 36 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 36.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.04	3.21	3.28	3.23	5.10	0.281	0.139	0.177	6.40	3.004
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.04	3.21	3.28	3.23		0.281	0.139		6.402	
CO Total Exhaust:	3.04	3.21	3.28	3.23	5.10	0.281	0.139	0.177	6.40	3.004

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 37.0 Month: 01 1

\* File 1, Run 1, Scenario 37.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 37 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 37.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.09	3.27	3.34	3.29	5.02	0.276	0.136	0.173	6.21	3.055
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.09	3.27	3.34	3.29		0.276	0.136		6.209	
CO Total Exhaust:	3.09	3.27	3.34	3.29	5.02	0.276	0.136	0.173	6.21	3.055

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 38.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 38 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 38.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.33	3.40	3.35	4.94	0.270	0.133	0.170	6.03	3.103
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.15	3.33	3.40	3.35		0.270	0.133		6.025	
CO Total Exhaust:	3.15	3.33	3.40	3.35	4.94	0.270	0.133	0.170	6.03	3.103

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 39.0 Month: 01 1  
\* File 1, Run 1, Scenario 39.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 39 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 39.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.38	3.45	3.40	4.87	0.265	0.131	0.167	5.85	3.149
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.20	3.38	3.45	3.40		0.265	0.131		5.852	
CO Total Exhaust:	3.20	3.38	3.45	3.40	4.87	0.265	0.131	0.167	5.85	3.149

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 40.0 Month: 01 1  
 \* File 1, Run 1, Scenario 40.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 40 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.25	3.43	3.51	3.46	4.80	0.260	0.128	0.164	5.69	3.193
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.25	3.43	3.51	3.46		0.260	0.128		5.687	
CO Total Exhaust:	3.25	3.43	3.51	3.46	4.80	0.260	0.128	0.164	5.69	3.193

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 41.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 41 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	2030PG. OUT HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.31	3.50	3.57	3.52	4.78	0.257	0.127	0.162	5.56	3.248
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.31	3.50	3.57	3.52		0.257	0.127		5.559	
CO Total Exhaust:	3.31	3.50	3.57	3.52	4.78	0.257	0.127	0.162	5.56	3.248

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 42.0 Month: 01 1  
 \* File 1, Run 1, Scenario 42.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 42 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.36	3.56	3.63	3.58	4.76	0.255	0.126	0.160	5.44	3.300
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.36	3.56	3.63	3.58		0.255	0.126		5.438	
CO Total Exhaust:	3.36	3.56	3.63	3.58	4.76	0.255	0.126	0.160	5.44	3.300

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 43.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 43 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low



Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.42	3.62	3.69	3.64	4.73	0.252	0.124	0.158	5.32	3.351
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.42	3.62	3.69	3.64		0.252	0.124		5.322	
CO Total Exhaust:	3.42	3.62	3.69	3.64	4.73	0.252	0.124	0.158	5.32	3.351

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 44.0 Month: 01 1  
 \* File 1, Run 1, Scenario 44.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 44 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.47	3.67	3.75	3.69	4.71	0.249	0.123	0.157	5.21	3.398
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.47	3.67	3.75	3.69		0.249	0.123		5.212	
CO Total Exhaust:	3.47	3.67	3.75	3.69	4.71	0.249	0.123	0.157	5.21	3.398

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 45.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 45 RoadType: Arterial  
 M583 Warning:

The user supplied arterial average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.52	3.73	3.80	3.75	4.69	0.247	0.122	0.155	5.11	3.444
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.52	3.73	3.80	3.75		0.247	0.122		5.106	
CO Total Exhaust:	3.52	3.73	3.80	3.75	4.69	0.247	0.122	0.155	5.11	3.444

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 46.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 46 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.58	3.79	3.87	3.81	4.73	0.246	0.121	0.155	5.05	3.500
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.58	3.79	3.87	3.81		0.246	0.121		5.055	
CO Total Exhaust:	3.58	3.79	3.87	3.81	4.73	0.246	0.121	0.155	5.05	3.500

-----  
 \* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 47.0 Month: 01 1  
 \* File 1, Run 1, Scenario 47.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 47 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 47.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.63	3.85	3.93	3.87	4.76	0.246	0.121	0.155	5.01	3.554
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.63	3.85	3.93	3.87		0.246	0.121		5.005	
CO Total Exhaust:	3.63	3.85	3.93	3.87	4.76	0.246	0.121	0.155	5.01	3.554

-----  
 \* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 48.0 Month: 01 1  
 \* File 1, Run 1, Scenario 48.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 48 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 48.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

2030PG.OUT

Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.69	3.91	3.99	3.93	4.79	0.246	0.121	0.154	4.96	3.606
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.69	3.91	3.99	3.93		0.246	0.121		4.958	
CO Total Exhaust:	3.69	3.91	3.99	3.93	4.79	0.246	0.121	0.154	4.96	3.606

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 49.0 Month: 01 1  
 \* File 1, Run 1, Scenario 49.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 49 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 49.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.74	3.96	4.04	3.99	4.82	0.245	0.121	0.154	4.91	3.656
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.74	3.96	4.04	3.99		0.245	0.121		4.912	
CO Total Exhaust:	3.74	3.96	4.04	3.99	4.82	0.245	0.121	0.154	4.91	3.656

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 50.0 Month: 01 1  
 \* File 1, Run 1, Scenario 50.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 50 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.79	4.02	4.10	4.04	4.85	0.245	0.121	0.154	4.87	3.703
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.79	4.02	4.10	4.04		0.245	0.121		4.869	
CO Total Exhaust:	3.79	4.02	4.10	4.04	4.85	0.245	0.121	0.154	4.87	3.703

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 51.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 51 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 51.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.85	4.08	4.16	4.10	4.95	0.247	0.122	0.155	4.87	3.761
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.85	4.08	4.16	4.10		0.247	0.122		4.869	
CO Total Exhaust:	3.85	4.08	4.16	4.10	4.95	0.247	0.122	0.155	4.87	3.761

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 52.0 Month: 01 1

\* File 1, Run 1, Scenario 52.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 52 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 52.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.90	4.14	4.22	4.16	5.04	0.249	0.123	0.156	4.87	3.817
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	4.14	4.22	4.16		0.249	0.123		4.869	
CO Total Exhaust:	3.90	4.14	4.22	4.16	5.04	0.249	0.123	0.156	4.87	3.817

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 53.0 Month: 01 1

\* File 1, Run 1, Scenario 53.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 53 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.96	4.20	4.28	4.22	5.13	0.251	0.124	0.158	4.87	3.870
Exhaust emissions (g/mi):										

	CO Start:	0.00	0.00	0.00	0.00	2030PG. OUT	0.000	0.000		0.000	
	CO Running:	3.96	4.20	4.28	4.22		0.251	0.124		4.869	
	CO Total Exhaust:	3.96	4.20	4.28	4.22	5.13	0.251	0.124	0.158	4.87	3.870

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 54.0 Month: 01 1  
 \* File 1, Run 1, Scenario 54.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 54 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 54.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	4.01	4.26	4.34	4.28	5.21	0.253	0.125	0.159	4.87	3.921
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.01	4.26	4.34	4.28		0.253	0.125		4.869	
CO Total Exhaust:	4.01	4.26	4.34	4.28	5.21	0.253	0.125	0.159	4.87	3.921

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 55.0 Month: 01 1  
 \* File 1, Run 1, Scenario 55.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 55 RoadType: Arterial

M583 Warning:  
 The user supplied arterial average speed of 55.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite Emission Factors (g/mi):										
Composite CO :	4.06	4.31	4.39	4.33	5.29	0.254	0.125	0.160	4.87	3.971
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.06	4.31	4.39	4.33		0.254	0.125		4.869	
CO Total Exhaust:	4.06	4.31	4.39	4.33	5.29	0.254	0.125	0.160	4.87	3.971
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 56.0 Month: 01 1

\* File 1, Run 1, Scenario 56.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 56 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 56.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite Emission Factors (g/mi):										
Composite CO :	4.12	4.37	4.46	4.40	5.47	0.259	0.128	0.163	6.13	4.036
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.12	4.37	4.46	4.40		0.259	0.128		6.125	
CO Total Exhaust:	4.12	4.37	4.46	4.40	5.47	0.259	0.128	0.163	6.13	4.036
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 57.0 Month: 01 1

\* File 1, Run 1, Scenario 57.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 57 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:



there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.17	4.43	4.52	4.46	5.63	0.264	0.130	0.166	7.34	4.098
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.17	4.43	4.52	4.46		0.264	0.130		7.337	
CO Total Exhaust:	4.17	4.43	4.52	4.46	5.63	0.264	0.130	0.166	7.34	4.098

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 58.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 58 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.23	4.49	4.57	4.52	5.80	0.268	0.132	0.168	8.51	4.159
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.23	4.49	4.57	4.52		0.268	0.132		8.508	
CO Total Exhaust:	4.23	4.49	4.57	4.52	5.80	0.268	0.132	0.168	8.51	4.159

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 59.0 Month: 01 1  
 \* File 1, Run 1, Scenario 59.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 59 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 59.0  
 will be used for all hours of the day. 100% of VMT

has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.28	4.55	4.63	4.57	5.95	0.272	0.134	0.171	9.64	4.217
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.28	4.55	4.63	4.57		0.272	0.134		9.639	
CO Total Exhaust:	4.28	4.55	4.63	4.57	5.95	0.272	0.134	0.171	9.64	4.217

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 60.0 Month: 01 1

\* File 1, Run 1, Scenario 60.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 60 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 60.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.33	4.60	4.69	4.63	6.10	0.276	0.136	0.174	10.73	4.273

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.33	4.60	4.69	4.63		0.276	0.136		10.732	
CO Total Exhaust:	4.33	4.60	4.69	4.63	6.10	0.276	0.136	0.174	10.73	4.273

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 61.0 Month: 01 1

\* File 1, Run 1, Scenario 61.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 61 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 61.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	<6000	>6000	(All)							

VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite CO :	4.39	4.66	4.75	4.69	6.39	0.285	0.140	0.179	11.98	4.340
----------------	------	------	------	------	------	-------	-------	-------	-------	-------

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.39	4.66	4.75	4.69		0.285	0.140		11.981	
CO Total Exhaust:	4.39	4.66	4.75	4.69	6.39	0.285	0.140	0.179	11.98	4.340

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 62.0 Month: 01 1

\* File 1, Run 1, Scenario 62.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 62 RoadType: Arterial

M583 Warning:

The user supplied arterial average speed of 62.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.44	4.72	4.81	4.75	6.66	0.292	0.144	0.184	13.19	4.405
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.44	4.72	4.81	4.75		0.292	0.144		13.190	
CO Total Exhaust:	4.44	4.72	4.81	4.75	6.66	0.292	0.144	0.184	13.19	4.405

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 63.0 Month: 01 1  
 \* File 1, Run 1, Scenario 63.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 63 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 63.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.50	4.78	4.87	4.81	6.93	0.300	0.148	0.188	14.36	4.468
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.50	4.78	4.87	4.81		0.300	0.148		14.361	
CO Total Exhaust:	4.50	4.78	4.87	4.81	6.93	0.300	0.148	0.188	14.36	4.468

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 64.0 Month: 01 1  
 \* File 1, Run 1, Scenario 64.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 64 RoadType: Arterial  
 M583 Warning:  
 The user supplied arterial average speed of 64.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.55	4.84	4.93	4.86	7.19	0.307	0.152	0.193	15.50	4.529
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.55	4.84	4.93	4.86		0.307	0.152		15.495	
CO Total Exhaust:	4.55	4.84	4.93	4.86	7.19	0.307	0.152	0.193	15.50	4.529

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 65.0 Month: 01 1  
\* File 1, Run 1, Scenario 65.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 65 RoadType: Arterial  
M583 Warning:  
The user supplied arterial average speed of 65.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.60	4.89	4.98	4.92	7.44	0.314	0.155	0.198	16.59	4.588
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.60	4.89	4.98	4.92		0.314	0.155		16.595	
CO Total Exhaust:	4.60	4.89	4.98	4.92	7.44	0.314	0.155	0.198	16.59	4.588

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 1.00 Month: 01 1  
\* File 1, Run 1, Scenario 66.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 66 RoadType: Non-Ramp  
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M 52 Warning: 1.00 speed increased to 2.5 mph minimum  
 M581 Warning: The user supplied freeway average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	12.91	12.85	13.15	12.94	32.81	1.656	0.816	1.040	90.19	12.828
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	12.91	12.85	13.15	12.94		1.656	0.816		90.192	
CO Total Exhaust:	12.91	12.85	13.15	12.94	32.81	1.656	0.816	1.040	90.19	12.828

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 67.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 67 RoadType: Non-Ramp

M 52 Warning: 2.00 speed increased to 2.5 mph minimum  
 M581 Warning: The user supplied freeway average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	2030PG. OUT HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	12.91	12.85	13.15	12.94	32.81	1.656	0.816	1.040	90.19	12.828

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	12.91	12.85	13.15	12.94		1.656	0.816		90.192	
CO Total Exhaust:	12.91	12.85	13.15	12.94	32.81	1.656	0.816	1.040	90.19	12.828

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 68.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 68 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.98	10.99	11.25	11.07	30.61	1.554	0.766	0.976	77.45	11.021

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	10.98	10.99	11.25	11.07		1.554	0.766		77.447	
CO Total Exhaust:	10.98	10.99	11.25	11.07	30.61	1.554	0.766	0.976	77.45	11.021

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 4.00 Month: 01 1  
 \* File 1, Run 1, Scenario 69.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 69 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 4.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	8.56	8.67	8.87	8.73	27.87	1.427	0.704	0.897	61.52	8.762
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	0.00	-----	0.000	0.000	-----	0.000	-----
CO Running:	8.56	8.67	8.87	8.73	-----	1.427	0.704	-----	61.516	-----
CO Total Exhaust:	8.56	8.67	8.87	8.73	27.87	1.427	0.704	0.897	61.52	8.762

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 5.00 Month: 01 1  
 \* File 1, Run 1, Scenario 70.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 70 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 5.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VTM Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	7.12	7.28	7.45	7.33	26.22	1.351	0.666	0.849	51.96	7.407
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	0.00	-----	0.000	0.000	-----	0.000	-----
CO Running:	7.12	7.28	7.45	7.33	-----	1.351	0.666	-----	51.957	-----
CO Total Exhaust:	7.12	7.28	7.45	7.33	26.22	1.351	0.666	0.849	51.96	7.407

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 6.00 Month: 01 1  
 \* File 1, Run 1, Scenario 71.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 71 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 6.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:



User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	6.09	6.25	6.40	6.30	23.29	1.212	0.597	0.761	42.96	6.369
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	6.09	6.25	6.40	6.30		1.212	0.597		42.958	
CO Total Exhaust:	6.09	6.25	6.40	6.30	23.29	1.212	0.597	0.761	42.96	6.369

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 72.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 72 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.35	5.52	5.65	5.56	21.20	1.112	0.548	0.698	36.53	5.627
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.35	5.52	5.65	5.56		1.112	0.548		36.531	
CO Total Exhaust:	5.35	5.52	5.65	5.56	21.20	1.112	0.548	0.698	36.53	5.627

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 8.00 Month: 01 1

\* File 1, Run 1, Scenario 73.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 73 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 8.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.80	4.97	5.09	5.01	19.64	1.037	0.511	0.651	31.71	5.071
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.80	4.97	5.09	5.01		1.037	0.511		31.710	
CO Total Exhaust:	4.80	4.97	5.09	5.01	19.64	1.037	0.511	0.651	31.71	5.071

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 9.00 Month: 01 1

\* File 1, Run 1, Scenario 74.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 74 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 9.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Alcohol Blend Market Share: 0.300

2030PG.OUT

Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VTM Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.37	4.55	4.66	4.58	18.42	0.978	0.482	0.615	27.96	4.639
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.37	4.55	4.66	4.58		0.978	0.482		27.961	
CO Total Exhaust:	4.37	4.55	4.66	4.58	18.42	0.978	0.482	0.615	27.96	4.639

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 10.0 Month: 01 1  
 \* File 1, Run 1, Scenario 75.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 75 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VTM Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.02	4.21	4.31	4.24	17.44	0.932	0.459	0.585	24.96	4.293
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.02	4.21	4.31	4.24		0.932	0.459		24.961	
CO Total Exhaust:	4.02	4.21	4.31	4.24	17.44	0.932	0.459	0.585	24.96	4.293

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 11.0 Month: 01 1  
 \* File 1, Run 1, Scenario 76.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 76 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 11.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.79	3.96	4.06	3.99	16.03	0.861	0.424	0.541	22.58	4.030
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.79	3.96	4.06	3.99		0.861	0.424		22.575	
CO Total Exhaust:	3.79	3.96	4.06	3.99	16.03	0.861	0.424	0.541	22.58	4.030

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 77.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 77 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 12.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.59	3.76	3.85	3.79	14.85	0.802	0.395	0.504	20.59	3.810
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.59	3.76	3.85	3.79		0.802	0.395		20.587	
CO Total Exhaust:	3.59	3.76	3.85	3.79	14.85	0.802	0.395	0.504	20.59	3.810

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 78.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 78 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 13.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.42	3.59	3.68	3.62	13.86	0.752	0.371	0.473	18.90	3.625
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.42	3.59	3.68	3.62		0.752	0.371		18.904	
CO Total Exhaust:	3.42	3.59	3.68	3.62	13.86	0.752	0.371	0.473	18.90	3.625

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 14.0 Month: 01 1

\* File 1, Run 1, Scenario 79.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 79 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.28	3.44	3.53	3.47	13.00	0.710	0.350	0.446	17.46	3.466
Exhaust emissions (g/mi):										

	CO Start:	0.00	0.00	0.00	0.00	2030PG. OUT	0.000	0.000	0.000	
	CO Running:	3.28	3.44	3.53	3.47		0.710	0.350	17.462	
	CO Total Exhaust:	3.28	3.44	3.53	3.47	13.00	0.710	0.350	17.46	3.466

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 80.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 80 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.16	3.32	3.40	3.34	12.26	0.672	0.331	0.422	16.21	3.328
----------------	------	------	------	------	-------	-------	-------	-------	-------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.16	3.32	3.40	3.34		0.672	0.331		16.213	
CO Total Exhaust:	3.16	3.32	3.40	3.34	12.26	0.672	0.331	0.422	16.21	3.328

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 16.0 Month: 01 1  
 \* File 1, Run 1, Scenario 81.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 81 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 16.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.13	3.29	3.37	3.31	11.47	0.631	0.311	0.397	15.21	3.279
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.13	3.29	3.37	3.31		0.631	0.311		15.206	
CO Total Exhaust:	3.13	3.29	3.37	3.31	11.47	0.631	0.311	0.397	15.21	3.279

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 17.0 Month: 01 1  
 \* File 1, Run 1, Scenario 82.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 82 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 17.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.10	3.26	3.34	3.29	10.78	0.595	0.293	0.374	14.32	3.235
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.10	3.26	3.34	3.29		0.595	0.293		14.317	
CO Total Exhaust:	3.10	3.26	3.34	3.29	10.78	0.595	0.293	0.374	14.32	3.235

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 18.0 Month: 01 1  
 \* File 1, Run 1, Scenario 83.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 83 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 18.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.08	3.24	3.32	3.26	10.16	0.563	0.277	0.353	13.53	3.196
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.08	3.24	3.32	3.26		0.563	0.277		13.528	
CO Total Exhaust:	3.08	3.24	3.32	3.26	10.16	0.563	0.277	0.353	13.53	3.196

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 84.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 84 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.06	3.22	3.30	3.24	9.60	0.534	0.263	0.335	12.82	3.161
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.06	3.22	3.30	3.24		0.534	0.263		12.821	
CO Total Exhaust:	3.06	3.22	3.30	3.24	9.60	0.534	0.263	0.335	12.82	3.161

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 85.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 85 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 20.0  
 will be used for all hours of the day. 100% of VMT



has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.04	3.20	3.28	3.22	9.11	0.508	0.250	0.319	12.19	3.129
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.04	3.20	3.28	3.22		0.508	0.250		12.185	
CO Total Exhaust:	3.04	3.20	3.28	3.22	9.11	0.508	0.250	0.319	12.19	3.129

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 86.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 86 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 21.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.03	3.19	3.26	3.21	8.64	0.483	0.238	0.303	11.60	3.100

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.03	3.19	3.26	3.21		0.483	0.238		11.597	
CO Total Exhaust:	3.03	3.19	3.26	3.21	8.64	0.483	0.238	0.303	11.60	3.100

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 87.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 87 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 22.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	Alt Veh
GWR:		<6000	>6000	(Alt)						

VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

Composite Emission Factors (g/mi):

Composite CO :	3.01	3.17	3.24	3.19	8.21	0.459	0.226	0.289	11.06	3.074
----------------	------	------	------	------	------	-------	-------	-------	-------	-------

## Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.01	3.17	3.24	3.19		0.459	0.226		11.063	
CO Total Exhaust:	3.01	3.17	3.24	3.19	8.21	0.459	0.226	0.289	11.06	3.074

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 23.0 Month: 01 1

\* File 1, Run 1, Scenario 88.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 88 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.00	3.16	3.23	3.18	7.83	0.438	0.216	0.275	10.57	3.050
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.00	3.16	3.23	3.18		0.438	0.216		10.575	
CO Total Exhaust:	3.00	3.16	3.23	3.18	7.83	0.438	0.216	0.275	10.57	3.050

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 24.0 Month: 01 1

\* File 1, Run 1, Scenario 89.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 89 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.99	3.15	3.22	3.17	7.47	0.419	0.207	0.263	10.13	3.028
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.99	3.15	3.22	3.17		0.419	0.207		10.128	
CO Total Exhaust:	2.99	3.15	3.22	3.17	7.47	0.419	0.207	0.263	10.13	3.028

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 25.0 Month: 01 1

\* File 1, Run 1, Scenario 90.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 90 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.98	3.13	3.21	3.15	7.15	0.401	0.198	0.252	9.72	3.008
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.98	3.13	3.21	3.15		0.401	0.198		9.716	
CO Total Exhaust:	2.98	3.13	3.21	3.15	7.15	0.401	0.198	0.252	9.72	3.008

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 26.0 Month: 01 1  
\* File 1, Run 1, Scenario 91.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 91 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 26.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.97	3.12	3.19	3.14	6.86	0.385	0.190	0.242	9.30	2.989
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.97	3.12	3.19	3.14		0.385	0.190		9.304	
CO Total Exhaust:	2.97	3.12	3.19	3.14	6.86	0.385	0.190	0.242	9.30	2.989

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 27.0 Month: 01 1  
\* File 1, Run 1, Scenario 92.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 92 RoadType: Non-Ramp  
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## M581 Warning:

The user supplied freeway average speed of 27.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV7

## M 48 Warning:

there are no sales for vehicle class HDGV8a

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

## M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.96	3.11	3.18	3.13	6.60	0.371	0.183	0.233	8.92	2.972
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.96	3.11	3.18	3.13		0.371	0.183		8.922	
CO Total Exhaust:	2.96	3.11	3.18	3.13	6.60	0.371	0.183	0.233	8.92	2.972
-----										

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 28.0 Month: 01 1

\* File 1, Run 1, Scenario 93.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 93 RoadType: Non-Ramp

## M581 Warning:

The user supplied freeway average speed of 28.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

## M615 Comment:

User supplied VMT mix.

## M 48 Warning:

there are no sales for vehicle class HDGV7

## M 48 Warning:

there are no sales for vehicle class HDGV8a

## M 48 Warning:

there are no sales for vehicle class HDGV8b

## M 48 Warning:

there are no sales for vehicle class HDGB

## M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000

## 2030PG. OUT

-----  
 Composite Emission Factors (g/mi):  
 Composite CO : 2.95 3.10 3.17 3.12 6.36 0.357 0.176 0.224 8.57 2.956  
 -----

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.95	3.10	3.17	3.12		0.357	0.176		8.568	
CO Total Exhaust:	2.95	3.10	3.17	3.12	6.36	0.357	0.176	0.224	8.57	2.956

-----

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 29.0 Month: 01 1

\* File 1, Run 1, Scenario 94.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 94 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-------------------	--------	--------	--------	-------	--------	--------	--------	--------	--------	--------

-----  
 Composite Emission Factors (g/mi):  
 Composite CO : 2.94 3.10 3.17 3.12 6.13 0.344 0.170 0.216 8.24 2.942  
 -----

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.94	3.10	3.17	3.12		0.344	0.170		8.238	
CO Total Exhaust:	2.94	3.10	3.17	3.12	6.13	0.344	0.170	0.216	8.24	2.942

-----

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 30.0 Month: 01 1

\* File 1, Run 1, Scenario 95.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 95 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 30.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.93	3.09	3.16	3.11	5.92	0.332	0.164	0.209	7.93	2.928
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.93	3.09	3.16	3.11		0.332	0.164		7.930	
CO Total Exhaust:	2.93	3.09	3.16	3.11	5.92	0.332	0.164	0.209	7.93	2.928

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 31.0 Month: 01 1

\* File 1, Run 1, Scenario 96.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 96 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 31.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.94	3.10	3.17	3.12	5.76	0.322	0.159	0.202	7.63	2.933
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.94	3.10	3.17	3.12		0.322	0.159		7.631	
CO Total Exhaust:	2.94	3.10	3.17	3.12	5.76	0.322	0.159	0.202	7.63	2.933

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 32.0 Month: 01 1

\* File 1, Run 1, Scenario 97.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 97 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 32.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.11	3.18	3.13	5.60	0.313	0.154	0.196	7.35	2.937
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.95	3.11	3.18	3.13		0.313	0.154		7.351	
CO Total Exhaust:	2.95	3.11	3.18	3.13	5.60	0.313	0.154	0.196	7.35	2.937

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 33.0 Month: 01 1  
 \* File 1, Run 1, Scenario 98.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 98 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 33.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.96	3.12	3.19	3.14	5.46	0.304	0.150	0.191	7.09	2.942
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.96	3.12	3.19	3.14		0.304	0.150		7.088	
CO Total Exhaust:	2.96	3.12	3.19	3.14	5.46	0.304	0.150	0.191	7.09	2.942

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 34.0 Month: 01 1



\* File 1, Run 1, Scenario 99.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 99 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 34.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.97	3.13	3.20	3.15	5.32	0.295	0.146	0.185	6.84	2.946
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.97	3.13	3.20	3.15		0.295	0.146		6.840	
CO Total Exhaust:	2.97	3.13	3.20	3.15	5.32	0.295	0.146	0.185	6.84	2.946

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 100.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 100 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 35.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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GVWR:	<6000	>6000	(All)						
VMT Distribution:	0.2712	0.4450	0.1821	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000

Composite Emission Factors (g/mi):

Composite CO :	2.98	3.14	3.21	3.16	5.19	0.287	0.142	0.181	6.61	2.950
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	2.98	3.14	3.21	3.16		0.287	0.142		6.606	
CO Total Exhaust:	2.98	3.14	3.21	3.16	5.19	0.287	0.142	0.181	6.61	2.950

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 36.0 Month: 01 1  
 \* File 1, Run 1, Scenario 101.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 101 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.2712	0.4450	0.1821	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000	

Composite Emission Factors (g/mi):

Composite CO :	3.04	3.21	3.28	3.23	5.10	0.281	0.139	0.177	6.40	3.004
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.04	3.21	3.28	3.23		0.281	0.139		6.402	
CO Total Exhaust:	3.04	3.21	3.28	3.23	5.10	0.281	0.139	0.177	6.40	3.004

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 37.0 Month: 01 1  
 \* File 1, Run 1, Scenario 102.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 102 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 37.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.09	3.27	3.34	3.29	5.02	0.276	0.136	0.173	6.21	3.055
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.09	3.27	3.34	3.29		0.276	0.136		6.209	
CO Total Exhaust:	3.09	3.27	3.34	3.29	5.02	0.276	0.136	0.173	6.21	3.055

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 38.0 Month: 01 1

\* File 1, Run 1, Scenario 103.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 103 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.33	3.40	3.35	4.94	0.270	0.133	0.170	6.03	3.103
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.15	3.33	3.40	3.35		0.270	0.133		6.025	
CO Total Exhaust:	3.15	3.33	3.40	3.35	4.94	0.270	0.133	0.170	6.03	3.103

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 39.0 Month: 01 1

\* File 1, Run 1, Scenario 104.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 104 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.38	3.45	3.40	4.87	0.265	0.131	0.167	5.85	3.149
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.20	3.38	3.45	3.40		0.265	0.131		5.852	
CO Total Exhaust:	3.20	3.38	3.45	3.40	4.87	0.265	0.131	0.167	5.85	3.149

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 40.0 Month: 01 1  
\* File 1, Run 1, Scenario 105.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 105 RoadType: Non-Ramp

M581 Warning:  
The user supplied freeway average speed of 40.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.25	3.43	3.51	3.46	4.80	0.260	0.128	0.164	5.69	3.193
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.25	3.43	3.51	3.46		0.260	0.128		5.687	
CO Total Exhaust:	3.25	3.43	3.51	3.46	4.80	0.260	0.128	0.164	5.69	3.193

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 106.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 106 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000	
Composite Emission Factors (g/mi):										
Composite CO :	3.31	3.50	3.57	3.52	4.78	0.257	0.127	0.162	5.56	3.248
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.31	3.50	3.57	3.52		0.257	0.127		5.559	
CO Total Exhaust:	3.31	3.50	3.57	3.52	4.78	0.257	0.127	0.162	5.56	3.248

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 42.0 Month: 01 1  
 \* File 1, Run 1, Scenario 107.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 107 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

2030PG. OUT

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.36	3.56	3.63	3.58	4.76	0.255	0.126	0.160	5.44	3.300
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.36	3.56	3.63	3.58		0.255	0.126		5.438	
CO Total Exhaust:	3.36	3.56	3.63	3.58	4.76	0.255	0.126	0.160	5.44	3.300

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 43.0 Month: 01 1

\* File 1, Run 1, Scenario 108.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 108 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 43.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.42	3.62	3.69	3.64	4.73	0.252	0.124	0.158	5.32	3.351
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.42	3.62	3.69	3.64		0.252	0.124		5.322	
CO Total Exhaust:	3.42	3.62	3.69	3.64	4.73	0.252	0.124	0.158	5.32	3.351

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 44.0 Month: 01 1

\* File 1, Run 1, Scenario 109.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 109 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 44.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.47	3.67	3.75	3.69	4.71	0.249	0.123	0.157	5.21	3.398
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.47	3.67	3.75	3.69		0.249	0.123		5.212	
CO Total Exhaust:	3.47	3.67	3.75	3.69	4.71	0.249	0.123	0.157	5.21	3.398

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 45.0 Month: 01 1  
 \* File 1, Run 1, Scenario 110.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 110 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 45.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.52	3.73	3.80	3.75	4.69	0.247	0.122	0.155	5.11	3.444
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.52	3.73	3.80	3.75		0.247	0.122		5.106	
CO Total Exhaust:	3.52	3.73	3.80	3.75	4.69	0.247	0.122	0.155	5.11	3.444

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 46.0 Month: 01 1  
 \* File 1, Run 1, Scenario 111.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 111 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 46.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.58	3.79	3.87	3.81	4.73	0.246	0.121	0.155	5.05	3.500
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.58	3.79	3.87	3.81		0.246	0.121		5.055	
CO Total Exhaust:	3.58	3.79	3.87	3.81	4.73	0.246	0.121	0.155	5.05	3.500

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 47.0 Month: 01 1

\* File 1, Run 1, Scenario 112.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 112 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 47.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.63	3.85	3.93	3.87	4.76	0.246	0.121	0.155	5.01	3.554
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	



CO Running:	3.63	3.85	3.93	3.87	2030PG. OUT	0.246	0.121		5.005	
CO Total Exhaust:	3.63	3.85	3.93	3.87	4.76	0.246	0.121	0.155	5.01	3.554

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 48.0 Month: 01 1

\* File 1, Run 1, Scenario 113.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 113 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 48.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:	<6000	>6000	(All)							
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.69	3.91	3.99	3.93	4.79	0.246	0.121	0.154	4.96	3.606

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.69	3.91	3.99	3.93		0.246	0.121		4.958	
CO Total Exhaust:	3.69	3.91	3.99	3.93	4.79	0.246	0.121	0.154	4.96	3.606

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 49.0 Month: 01 1

\* File 1, Run 1, Scenario 114.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 114 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 49.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.74	3.96	4.04	3.99	4.82	0.245	0.121	0.154	4.91	3.656
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.74	3.96	4.04	3.99		0.245	0.121		4.912	
CO Total Exhaust:	3.74	3.96	4.04	3.99	4.82	0.245	0.121	0.154	4.91	3.656
-----										

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 50.0 Month: 01 1

\* File 1, Run 1, Scenario 115.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 115 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 50.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.79	4.02	4.10	4.04	4.85	0.245	0.121	0.154	4.87	3.703
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.79	4.02	4.10	4.04		0.245	0.121		4.869	
CO Total Exhaust:	3.79	4.02	4.10	4.04	4.85	0.245	0.121	0.154	4.87	3.703
-----										

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 51.0 Month: 01 1

\* File 1, Run 1, Scenario 116.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 116 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 51.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.85	4.08	4.16	4.10	4.95	0.247	0.122	0.155	4.87	3.761
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.85	4.08	4.16	4.10		0.247	0.122		4.869	
CO Total Exhaust:	3.85	4.08	4.16	4.10	4.95	0.247	0.122	0.155	4.87	3.761

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 52.0 Month: 01 1

\* File 1, Run 1, Scenario 117.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 117 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 52.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.90	4.14	4.22	4.16	5.04	0.249	0.123	0.156	4.87	3.817
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.90	4.14	4.22	4.16		0.249	0.123		4.869	
CO Total Exhaust:	3.90	4.14	4.22	4.16	5.04	0.249	0.123	0.156	4.87	3.817

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 53.0 Month: 01 1

\* File 1, Run 1, Scenario 118.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 118 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 53.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for

all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	3.96	4.20	4.28	4.22	5.13	0.251	0.124	0.158	4.87	3.870
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	3.96	4.20	4.28	4.22		0.251	0.124		4.869	
CO Total Exhaust:	3.96	4.20	4.28	4.22	5.13	0.251	0.124	0.158	4.87	3.870
-----										

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 54.0 Month: 01 1

\* File 1, Run 1, Scenario 119.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 119 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 54.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	4.01	4.26	4.34	4.28	5.21	0.253	0.125	0.159	4.87	3.921
-----										

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.01	4.26	4.34	4.28		0.253	0.125		4.869	
CO Total Exhaust:	4.01	4.26	4.34	4.28	5.21	0.253	0.125	0.159	4.87	3.921

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 55.0 Month: 01 1

\* File 1, Run 1, Scenario 120.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 120 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 55.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.06	4.31	4.39	4.33	5.29	0.254	0.125	0.160	4.87	3.971

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.06	4.31	4.39	4.33		0.254	0.125		4.869	
CO Total Exhaust:	4.06	4.31	4.39	4.33	5.29	0.254	0.125	0.160	4.87	3.971

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 56.0 Month: 01 1

\* File 1, Run 1, Scenario 121.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 121 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 56.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the freeway roadway type for  
all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.12	4.37	4.46	4.40	5.47	0.259	0.128	0.163	6.13	4.036
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.12	4.37	4.46	4.40		0.259	0.128		6.125	
CO Total Exhaust:	4.12	4.37	4.46	4.40	5.47	0.259	0.128	0.163	6.13	4.036

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 57.0 Month: 01 1  
 \* File 1, Run 1, Scenario 122.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 122 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 57.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.17	4.43	4.52	4.46	5.63	0.264	0.130	0.166	7.34	4.098
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.17	4.43	4.52	4.46		0.264	0.130		7.337	
CO Total Exhaust:	4.17	4.43	4.52	4.46	5.63	0.264	0.130	0.166	7.34	4.098

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 58.0 Month: 01 1  
 \* File 1, Run 1, Scenario 123.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 123 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 58.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning:

there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.23	4.49	4.57	4.52	5.80	0.268	0.132	0.168	8.51	4.159
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.23	4.49	4.57	4.52		0.268	0.132		8.508	
CO Total Exhaust:	4.23	4.49	4.57	4.52	5.80	0.268	0.132	0.168	8.51	4.159

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 59.0 Month: 01 1  
 \* File 1, Run 1, Scenario 124.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 124 RoadType: Non-Ramp  
 M581 Warning:  
 The user supplied freeway average speed of 59.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.28	4.55	4.63	4.57	5.95	0.272	0.134	0.171	9.64	4.217
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.28	4.55	4.63	4.57		0.272	0.134		9.639	
CO Total Exhaust:	4.28	4.55	4.63	4.57	5.95	0.272	0.134	0.171	9.64	4.217

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 60.0 Month: 01 1  
 \* File 1, Run 1, Scenario 125.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 125 RoadType: Non-Ramp  
 M581 Warning:

The user supplied freeway average speed of 60.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.33	4.60	4.69	4.63	6.10	0.276	0.136	0.174	10.73	4.273
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.33	4.60	4.69	4.63		0.276	0.136		10.732	
CO Total Exhaust:	4.33	4.60	4.69	4.63	6.10	0.276	0.136	0.174	10.73	4.273

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 61.0 Month: 01 1

\* File 1, Run 1, Scenario 126.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 126 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 61.0 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000



2030PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	4.39	4.66	4.75	4.69	6.39	0.285	0.140	0.179	11.98	4.340

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.39	4.66	4.75	4.69		0.285	0.140		11.981	
CO Total Exhaust:	4.39	4.66	4.75	4.69	6.39	0.285	0.140	0.179	11.98	4.340

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 62.0 Month: 01 1  
 \* File 1, Run 1, Scenario 127.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 127 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 62.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	4.44	4.72	4.81	4.75	6.66	0.292	0.144	0.184	13.19	4.405

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.44	4.72	4.81	4.75		0.292	0.144		13.190	
CO Total Exhaust:	4.44	4.72	4.81	4.75	6.66	0.292	0.144	0.184	13.19	4.405

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 63.0 Month: 01 1  
 \* File 1, Run 1, Scenario 128.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 128 RoadType: Non-Ramp

M581 Warning:  
 The user supplied freeway average speed of 63.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.50	4.78	4.87	4.81	6.93	0.300	0.148	0.188	14.36	4.468
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.50	4.78	4.87	4.81		0.300	0.148		14.361	
CO Total Exhaust:	4.50	4.78	4.87	4.81	6.93	0.300	0.148	0.188	14.36	4.468

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 64.0 Month: 01 1

\* File 1, Run 1, Scenario 129.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 129 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 64.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.55	4.84	4.93	4.86	7.19	0.307	0.152	0.193	15.50	4.529
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.55	4.84	4.93	4.86		0.307	0.152		15.495	
CO Total Exhaust:	4.55	4.84	4.93	4.86	7.19	0.307	0.152	0.193	15.50	4.529

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 65.0 Month: 01 1

\* File 1, Run 1, Scenario 130.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Non-Ramp SCENARIO: 130 RoadType: Non-Ramp

M581 Warning:

The user supplied freeway average speed of 65.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the freeway roadway type for  
 all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.60	4.89	4.98	4.92	7.44	0.314	0.155	0.198	16.59	4.588
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	4.60	4.89	4.98	4.92		0.314	0.155		16.595	
CO Total Exhaust:	4.60	4.89	4.98	4.92	7.44	0.314	0.155	0.198	16.59	4.588

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 34.6 Month: 01 1  
 \* File 1, Run 1, Scenario 131.  
 \* #####  
 \* FV FILE: FV4.FV OPMODE: Stable FACILITY: Fwy Ramp SCENARIO: 131 RoadType: Fwy Ramp

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: EXT\_DATA\VMT\_FAC\FV4.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment: User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.39	5.44	5.52	5.46	5.23	0.290	0.143	0.182	6.63	5.046
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	0.00		0.000	0.000		0.000	
CO Running:	5.39	5.44	5.52	5.46		0.290	0.143		6.629	
CO Total Exhaust:	5.39	5.44	5.52	5.46	5.23	0.290	0.143	0.182	6.63	5.046

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 12.9 Month: 01 1  
 \* File 1, Run 1, Scenario 132.

\* #####  
 \* FV FILE: FV3.FV OPMODE: Cold FACILITY: Local SCENARIO: 132 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKCOLD.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2712	0.4450	0.1821		0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	14.83	12.96	12.16	12.73	14.12	1.265	0.567	0.482	31.21	12.497
Exhaust emissions (g/mi):										
CO Start:	11.78	9.77	8.88	9.51		0.498	0.189		12.255	
CO Running:	3.06	3.19	3.29	3.22		0.767	0.378		18.955	
CO Total Exhaust:	14.83	12.96	12.16	12.73	14.12	1.265	0.567	0.482	31.21	12.497

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 12.9 Month: 01 1  
 \* File 1, Run 1, Scenario 133.

\* #####  
 \* FV FILE: FV3.FV OPMODE: Hot FACILITY: Local SCENARIO: 133 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: EXT\_DATA\VMT\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKHOT.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7  
 M 48 Warning: there are no sales for vehicle class HDGV8a  
 M 48 Warning: there are no sales for vehicle class HDGV8b  
 M 48 Warning: there are no sales for vehicle class HDGB  
 M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
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VTM Distribution:	0.2712	0.4450	0.1821	-----	0.0222	0.0019	0.0004	0.0727	0.0045	1.0000
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---

Composite Emission Factors (g/mi):										
Composite CO :	4.48	4.41	4.41	4.41	14.12	0.933	0.441	0.482	21.06	4.430

---

Exhaust emissions (g/mi):

CO Start:	1.43	1.23	1.13	1.20		0.167	0.063		2.110	
CO Running:	3.06	3.19	3.29	3.22		0.767	0.378		18.955	
CO Total Exhaust:	4.48	4.41	4.41	4.41	14.12	0.933	0.441	0.482	21.06	4.430

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 12.9 Month: 01 1  
 \* File 1, Run 1, Scenario 134.  
 \* #####  
 \* FV FILE: FV3.FV OPMODE: Stable FACILITY: Local SCENARIO: 134 RoadType: Local

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: EXT\_DATA\VTM\_FAC\FV3.FV

Reading User Supplied ROADWAY VMT Factors

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

---

VTM Distribution:	0.2935	0.4815	0.1970	-----	0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
-------------------	--------	--------	--------	-------	--------	--------	--------	--------	--------	--------

---

Composite Emission Factors (g/mi):										
Composite CO :	3.06	3.19	3.29	3.22	14.13	0.767	0.378	0.483	18.95	3.247

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.06	3.19	3.29	3.22		0.767	0.378		18.955	
CO Total Exhaust:	3.06	3.19	3.29	3.22	14.13	0.767	0.378	0.483	18.95	3.247

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 1.00 Month: 01 1  
 \* File 1, Run 1, Scenario 135.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 135 RoadType: Art\_Loc

M 52 Warning:  
 1.00 speed increased to 2.5 mph minimum  
 M583 Warning:  
 The user supplied arterial average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low

Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	12.91	12.85	13.15	12.94	32.84	1.656	0.816	1.042	90.19	13.177
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	12.91	12.85	13.15	12.94		1.656	0.816		90.192	
CO Total Exhaust:	12.91	12.85	13.15	12.94	32.84	1.656	0.816	1.042	90.19	13.177

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 2.00 Month: 01 1  
 \* File 1, Run 1, Scenario 136.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 136 RoadType: Art\_Loc  
 M 52 Warning: 2.00 speed increased to 2.5 mph minimum  
 M583 Warning:  
 The user supplied arterial average speed of 2.5  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	12.91	12.85	13.15	12.94	32.84	1.656	0.816	1.042	90.19	13.177
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	12.91	12.85	13.15	12.94		1.656	0.816		90.192	
CO Total Exhaust:	12.91	12.85	13.15	12.94	32.84	1.656	0.816	1.042	90.19	13.177

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 3.00 Month: 01 1  
 \* File 1, Run 1, Scenario 137.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 137 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 3.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.  
 \* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	10.98	10.99	11.25	11.07	30.64	1.554	0.766	0.978	77.45	11.269
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	10.98	10.99	11.25	11.07		1.554	0.766		77.447	
CO Total Exhaust:	10.98	10.99	11.25	11.07	30.64	1.554	0.766	0.978	77.45	11.269

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 4.00 Month: 01 1

\* File 1, Run 1, Scenario 138.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 138 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 4.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	8.56	8.67	8.87	8.73	27.89	1.427	0.704	0.899	61.52	8.884
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	

CO Running:	8.56	8.67	8.87	8.73	2030PG. OUT	1.427	0.704		61.516	
CO Total Exhaust:	8.56	8.67	8.87	8.73	27.89	1.427	0.704	0.899	61.52	8.884

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 5.00 Month: 01 1

\* File 1, Run 1, Scenario 139.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 139 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 5.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:		<6000	>6000	(All)						
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	7.12	7.28	7.45	7.33	26.24	1.351	0.666	0.851	51.96	7.453

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	7.12	7.28	7.45	7.33		1.351	0.666		51.957	
CO Total Exhaust:	7.12	7.28	7.45	7.33	26.24	1.351	0.666	0.851	51.96	7.453

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 6.00 Month: 01 1

\* File 1, Run 1, Scenario 140.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 140 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 6.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No



## 2030PG. OUT

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	6.22	6.39	6.54	6.44	23.31	1.212	0.597	0.763	42.96	6.526
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	6.22	6.39	6.54	6.44		1.212	0.597		42.958	
CO Total Exhaust:	6.22	6.39	6.54	6.44	23.31	1.212	0.597	0.763	42.96	6.526
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 7.00 Month: 01 1  
 \* File 1, Run 1, Scenario 141.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 141 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 7.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	5.58	5.76	5.89	5.80	21.22	1.112	0.548	0.700	36.53	5.864
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	5.58	5.76	5.89	5.80		1.112	0.548		36.531	
CO Total Exhaust:	5.58	5.76	5.89	5.80	21.22	1.112	0.548	0.700	36.53	5.864
-----										

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 8.00 Month: 01 1  
 \* File 1, Run 1, Scenario 142.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 142 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 8.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	5.10	5.29	5.41	5.32	19.65	1.037	0.511	0.653	31.71	5.368
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	5.10	5.29	5.41	5.32		1.037	0.511		31.710	
CO Total Exhaust:	5.10	5.29	5.41	5.32	19.65	1.037	0.511	0.653	31.71	5.368

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 9.00 Month: 01 1  
 \* File 1, Run 1, Scenario 143.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 143 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 9.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.73	4.92	5.03	4.95	18.43	0.978	0.482	0.616	27.96	4.981
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	4.73	4.92	5.03	4.95		0.978	0.482		27.961	
CO Total Exhaust:	4.73	4.92	5.03	4.95	18.43	0.978	0.482	0.616	27.96	4.981

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 10.0 Month: 01 1  
 \* File 1, Run 1, Scenario 144.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 144 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 10.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway

type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7

M 48 Warning: there are no sales for vehicle class HDGV8a

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.43	4.62	4.73	4.65	17.46	0.932	0.459	0.587	24.96	4.672
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	4.43	4.62	4.73	4.65		0.932	0.459		24.961	
CO Total Exhaust:	4.43	4.62	4.73	4.65	17.46	0.932	0.459	0.587	24.96	4.672

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 11.0 Month: 01 1

\* File 1, Run 1, Scenario 145.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 145 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 11.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning: there are no sales for vehicle class HDGV7

M 48 Warning: there are no sales for vehicle class HDGV8a

M 48 Warning: there are no sales for vehicle class HDGV8b

M 48 Warning: there are no sales for vehicle class HDGB

M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.21	4.40	4.50	4.43	16.04	0.861	0.424	0.542	22.58	4.436

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	4.21	4.40	4.50	4.43		0.861	0.424		22.575	
CO Total Exhaust:	4.21	4.40	4.50	4.43	16.04	0.861	0.424	0.542	22.58	4.436

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 12.0 Month: 01 1

\* File 1, Run 1, Scenario 146.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 146 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 12.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	4.03	4.21	4.31	4.24	14.86	0.802	0.395	0.505	20.59	4.239

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	4.03	4.21	4.31	4.24		0.802	0.395		20.587	
CO Total Exhaust:	4.03	4.21	4.31	4.24	14.86	0.802	0.395	0.505	20.59	4.239

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 13.0 Month: 01 1

\* File 1, Run 1, Scenario 147.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 147 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 13.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.88	4.05	4.15	4.08	13.87	0.752	0.371	0.474	18.90	4.073
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.88	4.05	4.15	4.08		0.752	0.371		18.904	
CO Total Exhaust:	3.88	4.05	4.15	4.08	13.87	0.752	0.371	0.474	18.90	4.073

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 14.0 Month: 01 1  
 \* File 1, Run 1, Scenario 148.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 148 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 14.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.74	3.92	4.01	3.94	13.01	0.710	0.350	0.447	17.46	3.930
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.74	3.92	4.01	3.94		0.710	0.350		17.462	
CO Total Exhaust:	3.74	3.92	4.01	3.94	13.01	0.710	0.350	0.447	17.46	3.930

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 15.0 Month: 01 1  
 \* File 1, Run 1, Scenario 149.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 149 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 15.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:

there are no sales for vehicle class HDGB  
M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.63	3.80	3.89	3.82	12.27	0.672	0.331	0.423	16.21	3.806
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.63	3.80	3.89	3.82		0.672	0.331		16.213	
CO Total Exhaust:	3.63	3.80	3.89	3.82	12.27	0.672	0.331	0.423	16.21	3.806

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 16.0 Month: 01 1  
\* File 1, Run 1, Scenario 150.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 150 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 16.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV7  
M 48 Warning: there are no sales for vehicle class HDGV8a  
M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB  
M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.53	3.70	3.78	3.72	11.48	0.631	0.311	0.397	15.21	3.697
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.53	3.70	3.78	3.72		0.631	0.311		15.206	
CO Total Exhaust:	3.53	3.70	3.78	3.72	11.48	0.631	0.311	0.397	15.21	3.697

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 17.0 Month: 01 1  
\* File 1, Run 1, Scenario 151.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 151 RoadType: Art\_Loc  
M583 Warning:

The user supplied arterial average speed of 17.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.44	3.61	3.69	3.63	10.78	0.595	0.293	0.375	14.32	3.601
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.44	3.61	3.69	3.63		0.595	0.293		14.317	
CO Total Exhaust:	3.44	3.61	3.69	3.63	10.78	0.595	0.293	0.375	14.32	3.601

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 18.0 Month: 01 1

\* File 1, Run 1, Scenario 152.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 152 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 18.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000

2030PG. OUT

Composite Emission Factors (g/mi):										
Composite CO :	3.36	3.53	3.61	3.55	10.17	0.563	0.277	0.354	13.53	3.516

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.36	3.53	3.61	3.55		0.563	0.277		13.528	
CO Total Exhaust:	3.36	3.53	3.61	3.55	10.17	0.563	0.277	0.354	13.53	3.516

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 19.0 Month: 01 1  
 \* File 1, Run 1, Scenario 153.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 153 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 19.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000

---

Composite Emission Factors (g/mi):										
Composite CO :	3.29	3.45	3.53	3.48	9.61	0.534	0.263	0.336	12.82	3.440

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.29	3.45	3.53	3.48		0.534	0.263		12.821	
CO Total Exhaust:	3.29	3.45	3.53	3.48	9.61	0.534	0.263	0.336	12.82	3.440

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 20.0 Month: 01 1  
 \* File 1, Run 1, Scenario 154.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 154 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 20.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.

M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi



Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.23	3.39	3.47	3.41	9.11	0.508	0.250	0.320	12.19	3.371
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.23	3.39	3.47	3.41		0.508	0.250		12.185	
CO Total Exhaust:	3.23	3.39	3.47	3.41	9.11	0.508	0.250	0.320	12.19	3.371

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 21.0 Month: 01 1

\* File 1, Run 1, Scenario 155.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 155 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 21.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030

Month: Jan.

Altitude: Low

Minimum Temperature: 33.0 (F)

Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb

Nominal Fuel RVP: 12.9 psi

Weathered RVP: 12.9 psi

Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes

Evap I/M Program: Yes

ATP Program: Yes

Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
MT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.18	3.33	3.41	3.36	8.65	0.483	0.238	0.304	11.60	3.312
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.18	3.33	3.41	3.36		0.483	0.238		11.597	
CO Total Exhaust:	3.18	3.33	3.41	3.36	8.65	0.483	0.238	0.304	11.60	3.312

\* #####

\* St &amp; Cnty: 24033 MY: 2030 Speed: 22.0 Month: 01 1

\* File 1, Run 1, Scenario 156.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 156 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 22.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.13	3.28	3.36	3.30	8.22	0.459	0.226	0.289	11.06	3.259
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.13	3.28	3.36	3.30		0.459	0.226		11.063	
CO Total Exhaust:	3.13	3.28	3.36	3.30	8.22	0.459	0.226	0.289	11.06	3.259

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 23.0 Month: 01 1  
\* File 1, Run 1, Scenario 157.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 157 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 23.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:  
User supplied VMT mix.

M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.08	3.24	3.31	3.26	7.83	0.438	0.216	0.276	10.57	3.210
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.08	3.24	3.31	3.26		0.438	0.216		10.575	
CO Total Exhaust:	3.08	3.24	3.31	3.26	7.83	0.438	0.216	0.276	10.57	3.210

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 24.0 Month: 01 1  
\* File 1, Run 1, Scenario 158.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 158 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 24.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.04	3.20	3.27	3.22	7.48	0.419	0.207	0.264	10.13	3.165
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.04	3.20	3.27	3.22		0.419	0.207		10.128	
CO Total Exhaust:	3.04	3.20	3.27	3.22	7.48	0.419	0.207	0.264	10.13	3.165

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 25.0 Month: 01 1  
 \* File 1, Run 1, Scenario 159.

\* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 159 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 25.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
------------------------	------	-----------------	-----------------	---------------	------	------	------	------	----	---------

2030PG. OUT

VTM Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
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---

Composite Emission Factors (g/mi):

Composite CO :	3.00	3.16	3.23	3.18	7.15	0.401	0.198	0.253	9.72	3.124
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.00	3.16	3.23	3.18		0.401	0.198		9.716	
CO Total Exhaust:	3.00	3.16	3.23	3.18	7.15	0.401	0.198	0.253	9.72	3.124

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 26.0 Month: 01 1  
 \* File 1, Run 1, Scenario 160.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 160 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 26.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						

---

VTM Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
-------------------	--------	--------	--------	--	--------	--------	--------	--------	--------	--------

---

Composite Emission Factors (g/mi):

Composite CO :	2.99	3.14	3.21	3.16	6.87	0.385	0.190	0.243	9.30	3.106
----------------	------	------	------	------	------	-------	-------	-------	------	-------

---

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	2.99	3.14	3.21	3.16		0.385	0.190		9.304	
CO Total Exhaust:	2.99	3.14	3.21	3.16	6.87	0.385	0.190	0.243	9.30	3.106

---

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 27.0 Month: 01 1  
 \* File 1, Run 1, Scenario 161.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 161 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 27.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)

Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.97	3.13	3.20	3.15	6.61	0.371	0.183	0.233	8.92	3.089
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	2.97	3.13	3.20	3.15		0.371	0.183		8.922	
CO Total Exhaust:	2.97	3.13	3.20	3.15	6.61	0.371	0.183	0.233	8.92	3.089

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 28.0 Month: 01 1

\* File 1, Run 1, Scenario 162.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 162 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 28.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.96	3.12	3.19	3.14	6.36	0.357	0.176	0.225	8.57	3.073
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	2.96	3.12	3.19	3.14		0.357	0.176		8.568	
CO Total Exhaust:	2.96	3.12	3.19	3.14	6.36	0.357	0.176	0.225	8.57	3.073

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 29.0 Month: 01 1

\* File 1, Run 1, Scenario 163.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 163 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 29.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7  
M 48 Warning: there are no sales for vehicle class HDGV8a  
M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB  
M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970	-----	0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	2.95	3.10	3.17	3.12	6.14	0.344	0.170	0.217	8.24	3.058
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	1.20	-----	0.000	0.000	-----	0.000	-----
CO Running:	2.95	3.10	3.17	3.12	-----	0.344	0.170	-----	8.238	-----
CO Total Exhaust:	2.95	3.10	3.17	3.12	6.14	0.344	0.170	0.217	8.24	3.058

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 30.0 Month: 01 1  
\* File 1, Run 1, Scenario 164.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 164 RoadType: Art\_Loc  
M583 Warning:  
The user supplied arterial average speed of 30.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
M615 Comment:

User supplied VMT mix.  
M 48 Warning: there are no sales for vehicle class HDGV7  
M 48 Warning: there are no sales for vehicle class HDGV8a  
M 48 Warning: there are no sales for vehicle class HDGV8b  
M 48 Warning: there are no sales for vehicle class HDGB  
M 48 Warning: there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970	-----	0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	2.94	3.09	3.16	3.11	5.93	0.332	0.164	0.209	7.93	3.045
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	1.20	-----	0.000	0.000	-----	0.000	-----
CO Running:	2.94	3.09	3.16	3.11	-----	0.332	0.164	-----	7.930	-----
CO Total Exhaust:	2.94	3.09	3.16	3.11	5.93	0.332	0.164	0.209	7.93	3.045

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 31.0 Month: 01 1  
 \* File 1, Run 1, Scenario 165.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 165 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 31.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.10	3.17	3.12	5.76	0.322	0.159	0.203	7.63	3.053
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	2.95	3.10	3.17	3.12		0.322	0.159		7.631	
CO Total Exhaust:	2.95	3.10	3.17	3.12	5.76	0.322	0.159	0.203	7.63	3.053

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 32.0 Month: 01 1  
 \* File 1, Run 1, Scenario 166.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 166 RoadType: Art\_Loc  
 M583 Warning:  
 The user supplied arterial average speed of 32.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

## 2030PG. OUT

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.95	3.11	3.18	3.13	5.61	0.313	0.154	0.197	7.35	3.060
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	2.95	3.11	3.18	3.13		0.313	0.154		7.351	
CO Total Exhaust:	2.95	3.11	3.18	3.13	5.61	0.313	0.154	0.197	7.35	3.060
-----										

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 33.0 Month: 01 1

\* File 1, Run 1, Scenario 167.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 167 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 33.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite CO :	2.96	3.12	3.19	3.14	5.46	0.304	0.150	0.191	7.09	3.067
-----										
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	2.96	3.12	3.19	3.14		0.304	0.150		7.088	
CO Total Exhaust:	2.96	3.12	3.19	3.14	5.46	0.304	0.150	0.191	7.09	3.067
-----										

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 34.0 Month: 01 1

\* File 1, Run 1, Scenario 168.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 168 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 34.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.



Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.97	3.13	3.20	3.15	5.32	0.295	0.146	0.186	6.84	3.074
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	2.97	3.13	3.20	3.15		0.295	0.146		6.840	
CO Total Exhaust:	2.97	3.13	3.20	3.15	5.32	0.295	0.146	0.186	6.84	3.074

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 35.0 Month: 01 1

\* File 1, Run 1, Scenario 169.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 169 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 35.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	2.98	3.14	3.21	3.16	5.19	0.287	0.142	0.181	6.61	3.080
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	2.98	3.14	3.21	3.16		0.287	0.142		6.606	
CO Total Exhaust:	2.98	3.14	3.21	3.16	5.19	0.287	0.142	0.181	6.61	3.080

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 36.0 Month: 01 1

\* File 1, Run 1, Scenario 170.

\* #####

\*FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 170 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 36.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970	-----	0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.04	3.21	3.28	3.23	5.11	0.281	0.139	0.177	6.40	3.140
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.04	3.21	3.28	3.23		0.281	0.139		6.402	
CO Total Exhaust:	3.04	3.21	3.28	3.23	5.11	0.281	0.139	0.177	6.40	3.140

\* #####  
\* St & Cnty: 24033 MY: 2030 Speed: 37.0 Month: 01 1  
\* File 1, Run 1, Scenario 171.  
\* #####  
\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 171 RoadType: Art\_Loc

M583 Warning:  
The user supplied arterial average speed of 37.0  
will be used for all hours of the day. 100% of VMT  
has been assigned to the arterial/collector roadway  
type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
User supplied VMT mix.  
M 48 Warning:  
there are no sales for vehicle class HDGV7  
M 48 Warning:  
there are no sales for vehicle class HDGV8a  
M 48 Warning:  
there are no sales for vehicle class HDGV8b  
M 48 Warning:  
there are no sales for vehicle class HDGB  
M 48 Warning:  
there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970	-----	0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.09	3.27	3.34	3.29	5.02	0.276	0.136	0.174	6.21	3.197
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.09	3.27	3.34	3.29		0.276	0.136		6.209	

CO Total Exhaust:	3.09	3.27	3.34	3.29	2030PG. OUT 5.02	0.276	0.136	0.174	6.21	3.197
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\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 38.0 Month: 01 1  
 \* File 1, Run 1, Scenario 172.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 172 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 38.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type: GVWR:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.15	3.33	3.40	3.35	4.95	0.270	0.133	0.170	6.03	3.251
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.15	3.33	3.40	3.35		0.270	0.133		6.025	
CO Total Exhaust:	3.15	3.33	3.40	3.35	4.95	0.270	0.133	0.170	6.03	3.251

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 39.0 Month: 01 1  
 \* File 1, Run 1, Scenario 173.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 173 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 39.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\NLEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

2030PG.OUT

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
    Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.20	3.38	3.45	3.40	4.87	0.265	0.131	0.167	5.85	3.303
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.20	3.38	3.45	3.40		0.265	0.131		5.852	
CO Total Exhaust:	3.20	3.38	3.45	3.40	4.87	0.265	0.131	0.167	5.85	3.303

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 40.0 Month: 01 1  
 \* File 1, Run 1, Scenario 174.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 174 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 40.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700      Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015      Alcohol Blend Oxygen Content: 0.035  
    Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.25	3.43	3.51	3.46	4.81	0.260	0.128	0.164	5.69	3.351
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.25	3.43	3.51	3.46		0.260	0.128		5.687	
CO Total Exhaust:	3.25	3.43	3.51	3.46	4.81	0.260	0.128	0.164	5.69	3.351

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 41.0 Month: 01 1  
 \* File 1, Run 1, Scenario 175.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 175 RoadType: Art\_Loc

M583 Warning:  
 The user supplied arterial average speed of 41.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:  
 User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970	-----	0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	3.31	3.50	3.57	3.52	4.78	0.257	0.127	0.162	5.56	3.412
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	1.20	-----	0.000	0.000	-----	0.000	-----
CO Running:	3.31	3.50	3.57	3.52	-----	0.257	0.127	-----	5.559	-----
CO Total Exhaust:	3.31	3.50	3.57	3.52	4.78	0.257	0.127	0.162	5.56	3.412

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 42.0 Month: 01 1  
 \* File 1, Run 1, Scenario 176.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 176 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 42.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK  
 M615 Comment:

User supplied VMT mix.  
 M 48 Warning:  
 there are no sales for vehicle class HDGV7  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8a  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class HDGB  
 M 48 Warning:  
 there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.2935	0.4815	0.1970	-----	0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite CO :	3.36	3.56	3.63	3.58	4.76	0.255	0.126	0.160	5.44	3.469
Exhaust emissions (g/mi):	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CO Start:	0.00	0.00	0.00	1.20	-----	0.000	0.000	-----	0.000	-----
CO Running:	3.36	3.56	3.63	3.58	-----	0.255	0.126	-----	5.438	-----
CO Total Exhaust:	3.36	3.56	3.63	3.58	4.76	0.255	0.126	0.160	5.44	3.469

\* #####  
 \* St & Cnty: 24033 MY: 2030 Speed: 43.0 Month: 01 1  
 \* File 1, Run 1, Scenario 177.  
 \* #####  
 \* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 177 RoadType: Art\_Loc  
 M583 Warning:

The user supplied arterial average speed of 43.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external  
 \* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.42	3.62	3.69	3.64	4.74	0.252	0.124	0.159	5.32	3.524
Exhaust emissions (g/mi):										
CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.42	3.62	3.69	3.64		0.252	0.124		5.322	
CO Total Exhaust:	3.42	3.62	3.69	3.64	4.74	0.252	0.124	0.159	5.32	3.524

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 44.0 Month: 01 1

\* File 1, Run 1, Scenario 178.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 178 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 44.0  
 will be used for all hours of the day. 100% of VMT  
 has been assigned to the arterial/collector roadway  
 type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
 Month: Jan.  
 Altitude: Low  
 Minimum Temperature: 33.0 (F)  
 Maximum Temperature: 53.0 (F)  
 Absolute Humidity: 75. grains/lb  
 Nominal Fuel RVP: 12.9 psi  
 Weathered RVP: 12.9 psi  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: No

Ether Blend Market Share: 0.700 Alcohol Blend Market Share: 0.300  
 Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.035  
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWR:										
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	3.47	3.67	3.75	3.69	4.72	0.249	0.123	0.157	5.21	3.576
Exhaust emissions (g/mi):										

## 2030PG. OUT

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.47	3.67	3.75	3.69		0.249	0.123		5.212	
CO Total Exhaust:	3.47	3.67	3.75	3.69	4.72	0.249	0.123	0.157	5.21	3.576

\* #####

\* St & Cnty: 24033 MY: 2030 Speed: 45.0 Month: 01 1

\* File 1, Run 1, Scenario 179.

\* #####

\* FV FILE: .FV OPMODE: Stable FACILITY: Arterial SCENARIO: 179 RoadType: Art\_Loc

M583 Warning:

The user supplied arterial average speed of 45.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

\* Reading start SOAK distribution from the following external

\* data file: EXT\_DATA\OPMODE\SOAKZERO.SK

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV7

M 48 Warning:

there are no sales for vehicle class HDGV8a

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class HDGB

M 48 Warning:

there are no sales for vehicle class LDDT34

LEV phase-in data read from file EXT\_DATA\LEV\LEVNE.D

Calendar Year: 2030  
Month: Jan.  
Altitude: Low  
Minimum Temperature: 33.0 (F)  
Maximum Temperature: 53.0 (F)  
Absolute Humidity: 75. grains/lb  
Nominal Fuel RVP: 12.9 psi  
Weathered RVP: 12.9 psi  
Fuel Sulfur Content: 30. ppm  
Exhaust I/M Program: Yes  
Evap I/M Program: Yes  
ATP Program: Yes  
Reformulated Gas: No

Ether Blend Market Share: 0.700

Ether Blend Oxygen Content: 0.015

Alcohol Blend Market Share: 0.300

Alcohol Blend Oxygen Content: 0.035

Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.2935	0.4815	0.1970		0.0048	0.0020	0.0004	0.0160	0.0048	1.0000

Composite Emission Factors (g/mi):

Composite CO :	3.52	3.73	3.80	3.75	4.70	0.247	0.122	0.155	5.11	3.626
----------------	------	------	------	------	------	-------	-------	-------	------	-------

Exhaust emissions (g/mi):

CO Start:	0.00	0.00	0.00	1.20		0.000	0.000		0.000	
CO Running:	3.52	3.73	3.80	3.75		0.247	0.122		5.106	
CO Total Exhaust:	3.52	3.73	3.80	3.75	4.70	0.247	0.122	0.155	5.11	3.626







## **Appendix C**

### **CAL3QHC Input and Output Files**



Site 9

MD 193 and MD 320

2015

PurpleLine	S9EXAM				60.0321.0.0000.000280.30480000	1	1
SE MID S		1247.	667.	5.0			
SE 164 S		1210.	742.	5.0			
SE 82 S		1179.	818.	5.0			
SE CNR		1162.	921.	5.0			
SE 82 E		1254.	939.	5.0			
SE 164 E		1335.	942.	5.0			
SE MID E		1417.	946.	5.0			
NE MID E		1398.	1028.	5.0			
NE 164 E		1316.	1025.	5.0			
NE 82 E		1235.	1022.	5.0			
NE CNR		1120.	1053.	5.0			
NE 82 N		1079.	1172.	5.0			
NE 164 N		1064.	1255.	5.0			
NE MID N		1060.	1337.	5.0			
NW MID N		953.	1280.	5.0			
NW 164 N		963.	1200.	5.0			
NW 82 N		977.	1118.	5.0			
NW CNR		974.	1010.	5.0			
NW 82 W		881.	950.	5.0			
NW 164 W		804.	923.	5.0			
NW MID W		727.	896.	5.0			
SW MID W		764.	819.	5.0			
SW 164 W		841.	847.	5.0			
SW 82 W		918.	874.	5.0			
SW CNR		1011.	888.	5.0			
SW 82 S		1063.	810.	5.0			
SW 164 S		1093.	734.	5.0			
SW MID S		1128.	660.	5.0			
PurpleLine	S9EXAM		40	1	0		
1							
0	193nbAP	AG	1607.	19.	1539.	154.	1744 5.1 0 56 30.
0	193nbAP	AG	1539.	154.	1356.	431.	1744 5.1 0 56 30.
0	193nbTR	AG	1355.	431.	1246.	605.	1556 5.1 0 56 30.
0	193nbTR	AG	1246.	605.	1179.	734.	1556 5.1 0 56 30.
0	193nbTR	AG	1179.	734.	1085.	969.	1556 5.1 0 56 30.
0	193nbTRq	AG	1111.	905.	1175.	745.	0. 36 3
120	77		2.0	1556	57.0	1693 1 3	
0	193nbL	AG	1220.	602.	1151.	735.	188 5.1 0 32 30.
0	193nbL	AG	1151.	735.	1065.	963.	188 5.1 0 32 30.
0	193nbLq	AG	1089.	898.	1149.	740.	0. 12 1
120	100		2.0	188	57.0	1770 1 3	
0	193nbD	AG	1085.	969.	1036.	1255.	2146 5.1 0 56 30.
0	193nbD	AG	1033.	1254.	1015.	1684.	2146 5.1 0 56 30.
0	193nbD	AG	1015.	1684.	1007.	1970.	2146 5.1 0 56 30.
0	193sbAP	AG	953.	1972.	973.	1408.	1604 5.1 0 56 30.
0	193sbAP	AG	973.	1408.	986.	1249.	1604 5.1 0 56 30.
0	193sbTR	AG	983.	1246.	1032.	974.	1408 5.1 0 56 30.
0	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3
120	77		2.0	1408	57.0	1674 1 3	
0	193sbL	AG	1003.	1238.	1054.	980.	196 5.1 0 56 30.
0	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1
120	99		2.0	196	57.0	1770 1 3	
0	193sbD	AG	1035.	975.	1110.	760.	1492 5.1 0 56 30.
0	193sbD	AG	1110.	760.	1201.	578.	1492 5.1 0 56 30.
0	193sbD	AG	1201.	578.	1348.	352.	1492 5.1 0 56 30.
0	193sbD	AG	1348.	352.	1467.	172.	1492 5.1 0 56 30.
0	193sbD	AG	1467.	172.	1551.	20.	1492 5.1 0 56 30.
0	320ebAP	AG	14.	596.	316.	687.	634 5.1 0 44 30.
0	320ebAP	AG	316.	687.	578.	780.	634 5.1 0 44 30.
0	320ebTR	AG	580.	779.	1055.	945.	464 5.1 0 44 30.
0	230ebTRq	AG	1006.	928.	593.	783.	0. 24 2
120	64		2.0	464	57.0	1669 1 3	
0	320ebL	AG	576.	797.	1048.	963.	170 5.1 0 32 30.
0	230ebLq	AG	999.	946.	585.	800.	0. 12 1
120	56		2.0	170	57.0	1770 1 3	
1							

0		320ebD	AG	1055.	945.	1146.	959.	500	5.1	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	500	5.1	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	500	5.1	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	1220	5.1	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	1220	5.1	0	44	30.
0	1	320wbTR	AG	1283.	1003.	1068.	995.	1196	5.1	0	44	30.
0	2	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
		120	72	2.0	1196	57.0	1673	1	3			
0	1	320wbL	AG	1278.	988.	1070.	982.	24	5.1	0	32	30.
0	2	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
		120	67	2.0	24	57.0	1770	1	3			
0	1	320wbD	AG	1068.	994.	344.	735.	1064	5.1	0	44	30.
0	1	320wbD	AG	344.	735.	15.	633.	1064	5.1	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9EXAM

RUN: PurpleLine S9EXAM

DATE: 10/01/2007 TIME: 10:27:06.43

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	1744.	5.1	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	1744.	5.1	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	1556.	5.1	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	1556.	5.1	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	1556.	5.1	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1214.9	645.3	*	280.	158. AG	294.	100.0	.0	36.0	.94 14.2
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	188.	5.1	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	188.	5.1	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1130.1	789.9	*	116.	159. AG	127.	100.0	.0	12.0	.80 5.9
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	2146.	5.1	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	2146.	5.1	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	2146.	5.1	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	1604.	5.1	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	1604.	5.1	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1408.	5.1	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	983.0	1242.8	*	221.	350. AG	294.	100.0	.0	36.0	.86 11.2
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	196.	5.1	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	1021.2	1147.0	*	117.	349. AG	126.	100.0	.0	12.0	.78 6.0
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	1492.	5.1	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	1492.	5.1	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	1492.	5.1	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	1492.	5.1	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	1492.	5.1	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	634.	5.1	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	634.	5.1	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	464.	5.1	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	929.4	901.1	*	81.	251. AG	163.	100.0	.0	24.0	.32 4.1
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	170.	5.1	.0	32.0	
29. 0	230ebLq	999.0	946.0	949.9	928.7	*	52.	251. AG	71.	100.0	.0	12.0	.19 2.6
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	500.	5.1	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	500.	5.1	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	500.	5.1	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	1220.	5.1	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	1220.	5.1	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1196.	5.1	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	1456.8	1009.9	*	328.	88. AG	183.	100.0	.0	24.0	.98 16.7
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	24.	5.1	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1140.8	984.3	*	9.	88. AG	85.	100.0	.0	12.0	.03 .4
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	1064.	5.1	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	1064.	5.1	.0	44.0	

JOB: PurpleLine S9EXAM

RUN: PurpleLine S9EXAM

DATE: 10/01/2007 TIME: 10:27:06.43

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	77	2.0	1556	1693	57.00	1	3
9. 0	193nbLq	120	100	2.0	188	1770	57.00	1	3
16. 0	193sbTRq	120	77	2.0	1408	1674	57.00	1	3
18. 0	193sbLq	120	99	2.0	196	1770	57.00	1	3
27. 0	230ebTRq	120	64	2.0	464	1669	57.00	1	3
29. 0	230ebLq	120	56	2.0	170	1770	57.00	1	3
36. 0	230wbTRq	120	72	2.0	1196	1673	57.00	1	3
38. 0	230wbLq	120	67	2.0	24	1770	57.00	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*

15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

1

PAGE 3

JOB: PurpleLine S9EXAM

RUN: PurpleLine S9EXAM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.1	.1	.2	.4	.5	.5	.5	.0	.0	.1	.3	.4	.5	.5	.8	1.2	.7	.0	.0	
5.	*	.1	.1	.2	.4	.5	.5	.5	.0	.0	.0	.2	.3	.3	.6	.9	1.5	1.0	.1	.0	
10.	*	.1	.1	.2	.4	.5	.5	.5	.0	.0	.0	.2	.2	.2	.6	1.0	1.7	1.0	.2	.0	
15.	*	.1	.1	.1	.4	.5	.5	.4	.0	.0	.0	.1	.1	.1	.6	1.2	1.7	1.1	.2	.0	
20.	*	.1	.1	.1	.5	.5	.5	.4	.0	.0	.0	.0	.1	.1	.6	1.2	1.5	1.2	.4	.2	
25.	*	.1	.1	.1	.5	.6	.5	.4	.0	.0	.0	.0	.1	.1	.6	1.1	1.5	1.1	.5	.2	
30.	*	.1	.1	.1	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.5	1.2	1.5	1.2	.5	.2	
35.	*	.0	.1	.1	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.5	1.2	1.6	1.1	.5	.2	
40.	*	.0	.1	.1	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.5	1.4	1.3	1.1	.5	.4	
45.	*	.0	.1	.2	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.5	1.3	1.3	1.1	.5	.4	
50.	*	.0	.0	.2	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.5	1.2	1.4	1.0	.6	.5	
55.	*	.0	.0	.2	.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.5	1.2	1.4	1.0	.6	.5	
60.	*	.0	.0	.2	.6	.5	.4	.2	.1	.1	.0	.0	.0	.0	.4	1.2	1.3	.9	.4	.3	
65.	*	.0	.0	.1	.4	.4	.3	.2	.1	.1	.1	.0	.0	.0	.4	1.1	1.3	.9	.6	.4	
70.	*	.0	.0	.1	.4	.5	.3	.2	.1	.2	.3	.0	.0	.0	.4	1.3	1.3	.9	.6	.5	
75.	*	.0	.0	.0	.4	.4	.3	.2	.3	.3	.4	.0	.0	.0	.5	1.3	1.4	.9	.6	.6	
80.	*	.0	.0	.0	.3	.3	.2	.2	.3	.4	.5	.1	.0	.0	.5	1.3	1.5	.8	.5	.5	
85.	*	.0	.0	.0	.3	.3	.2	.2	.4	.6	.7	.2	.0	.0	.5	1.3	1.5	.9	.5	.6	
90.	*	.0	.0	.0	.2	.2	.2	.2	.5	.7	.8	.3	.0	.0	.5	1.3	1.4	.9	.7	.6	
95.	*	.0	.0	.0	.0	.1	.1	.1	.8	1.0	1.0	.3	.0	.0	.6	1.3	1.5	.9	.8	.6	
100.	*	.0	.0	.0	.0	.1	.0	.0	.9	1.1	1.2	.5	.0	.0	.4	1.3	1.6	.7	.8	.6	
105.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.2	1.2	.5	.2	.0	.4	1.4	1.7	.5	.7	.5	
110.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.1	.5	.2	.0	.5	1.4	1.6	.8	.8	.6	
115.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.1	.5	.2	.0	.6	1.4	1.7	.7	.8	.4	
120.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.1	.5	.2	.1	.8	1.6	1.7	.6	.8	.3	
125.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.1	.4	.1	.1	.8	1.7	1.8	.6	.7	.3	
130.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.0	.4	.1	.1	.9	1.7	2.0	.6	.7	.3	
135.	*	.1	.1	.0	.0	.0	.0	.0	.9	.9	.9	.4	.1	.2	.1	1.0	1.8	1.9	.9	.4	.2
140.	*	.2	.1	.1	.0	.0	.0	.0	.9	.9	.9	.4	.2	.2	.1	1.2	1.9	1.6	.9	.4	.2
145.	*	.3	.3	.3	.0	.0	.0	.0	.9	.9	.9	.4	.3	.2	.1	1.3	1.8	1.8	.8	.4	.2
150.	*	.3	.5	.4	.1	.0	.0	.0	.9	.9	.9	.5	.4	.2	.1	1.4	1.8	1.7	.6	.3	.2
155.	*	.5	.7	.6	.2	.0	.0	.0	.9	.9	.9	.5	.4	.4	.3	1.5	1.7	1.6	.5	.2	.2
160.	*	.5	.7	.9	.4	.0	.0	.0	.9	.9	.9	.6	.7	.4	.4	1.4	1.6	1.3	.4	.2	.2
165.	*	.5	.9	1.1	.6	.0	.0	.0	.9	.9	.9	.7	.8	.5	.4	1.3	1.4	.9	.4	.2	.2
170.	*	.5	1.0	1.3	.8	.0	.0	.0	.9	.9	1.0	.7	.7	.6	.5	1.1	.9	.8	.3	.2	.2
175.	*	.4	1.2	1.3	.9	.1	.0	.0	.9	.9	1.0	.7	.8	.7	.6	.8	.6	.6	.4	.2	.2
180.	*	.4	1.2	1.4	.9	.1	.0	.0	.9	.9	1.1	.9	.8	1.0	.8	.6	.4	.4	.4	.2	.2
185.	*	.4	1.3	1.4	1.0	.2	.0	.0	.9	1.0	1.1	.9	1.0	1.0	.8	.3	.3	.4	.4	.2	.2
190.	*	.4	1.2	1.4	1.1	.2	.0	.0	.9	1.0	1.1	.7	1.0	1.0	.9	.2	.2	.3	.4	.2	.2
195.	*	.4	1.3	1.4	1.2	.2	.1	.0	.9	1.0	1.3	.6	.9	1.1	.9	.1	.2	.1	.2	.2	.2
200.	*	.4	1.3	1.4	1.1	.5	.1	.0	1.0	1.1	1.3	.6	1.0	1.1	.8	.0	.0	.1	.2	.2	.2
205.	*	.5	1.3	1.3	1.0	.5	.1	.0	1.0	1.1	1.3	.6	1.0	1.0	.8	.0	.0	.1	.2	.3	.2

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JOB: PurpleLine S9EXAM

RUN: PurpleLine S9EXAM

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.5	1.2	1.3	1.0	.4	.2	.1	1.0	1.1	1.2	.5	1.1	1.0	1.0	.0	.0	.1	.2	.3	.3
215.	*	.4	1.1	1.2	1.0	.4	.2	.1	1.0	1.2	1.3	.6	1.2	1.0	1.0	.0	.0	.1	.2	.3	.3
220.	*	.5	1.1	1.1	1.0	.4	.2	.1	1.1	1.3	1.2	.7	1.1	1.0	.8	.0	.0	.1	.2	.4	.3
225.	*	.5	1.1	1.2	1.0	.5	.2	.1	1.2	1.4	1.2	.8	1.1	.9	.7	.0	.0	.1	.2	.4	.3
230.	*	.6	1.1	1.2	.9	.6	.3	.2	1.3	1.4	1.3	.7	1.0	.8	.6	.0	.0	.1	.2	.3	.3
235.	*	.7	1.1	1.2	.9	.6	.3	.2	1.2	1.3	1.3	.6	.9	.8	.5	.0	.0	.1	.2	.3	.3
240.	*	.8	1.2	1.2	.8	.6	.3	.2	1.2	1.2	1.3	.7	.9	.8	.4	.0	.0	.0	.1	.3	.3
245.	*	.9	1.2	1.3	.8	.5	.3	.2	1.3	1.2	1.2	.6	.9	.9	.4	.0	.0	.0	.1	.3	.3
250.	*	.9	1.2	1.3	.7	.5	.4	.2	1.3	1.2	1.1	.7	.9	.8	.4	.0	.0	.0	.1	.3	.3
255.	*	.9	1.1	1.2	.9	.4	.3	.1	1.1	1.1	1.0	.8	.9	.8	.4	.0	.0	.0	.1	.2	.2
260.	*	1.0	1.1	1.2	.7	.4	.2	.2	1.0	1.1	1.0	.8	.9	.8	.4	.0	.0	.0	.0	.2	.2
265.	*	1.0	1.2	1.2	.6	.5	.4	.3	.9	1.1	.9	.8	.9	.8	.5	.0	.0	.0	.0	.1	.1
270.	*	1.0	1.2	1.3	.6	.5	.4	.3	.9	.8	.9	.8	.8	.6	.5	.0	.0	.0	.0	.1	.1

275.	*	1.1	1.2	1.3	.6	.3	.3	.4	.7	.7	.7	.8	.8	.5	.4	.0	.0	.0	.0	.1	.1
280.	*	1.2	1.3	1.4	.5	.6	.5	.5	.5	.6	.6	.9	.8	.5	.4	.0	.0	.0	.0	.0	.0
285.	*	1.2	1.4	1.6	.5	.5	.6	.8	.4	.4	.7	.9	.8	.4	.4	.0	.0	.0	.0	.0	.0
290.	*	1.2	1.2	1.7	.6	.5	.6	.8	.4	.3	.6	.9	.8	.5	.4	.0	.0	.0	.0	.0	.0
295.	*	1.2	1.3	1.7	.7	.7	.7	.8	.2	.2	.5	.9	.9	.5	.4	.0	.0	.0	.0	.0	.0
300.	*	1.4	1.5	1.5	.6	.8	.7	.7	.1	.2	.4	.9	.8	.5	.4	.0	.0	.0	.0	.0	.0
305.	*	1.5	1.5	1.4	.7	.8	.7	.6	.0	.2	.3	.9	.9	.5	.6	.0	.0	.0	.0	.0	.0
310.	*	1.5	1.5	1.5	.7	.9	.7	.6	.0	.1	.2	.9	.8	.5	.6	.0	.0	.0	.0	.0	.0
315.	*	1.4	1.6	1.4	.9	.8	.8	.5	.1	.1	.2	.8	.9	.6	.6	.0	.0	.0	.0	.0	.0
320.	*	1.4	1.5	1.5	1.0	.7	.7	.5	.1	.1	.3	.8	.7	.6	.5	.0	.0	.0	.0	.0	.0
325.	*	1.3	1.5	1.4	.8	.7	.6	.5	.0	.1	.2	.6	.7	.6	.5	.0	.0	.0	.0	.0	.0
330.	*	1.2	1.4	1.2	.8	.8	.6	.5	.0	.1	.1	.7	.7	.6	.6	.0	.0	.2	.0	.0	.0
335.	*	.9	.9	1.0	.8	.6	.5	.5	.0	.1	.1	.4	.7	.7	.6	.1	.0	.2	.0	.0	.0
340.	*	.8	.8	.7	.6	.6	.5	.5	.0	.0	.1	.5	.7	.7	.6	.1	.2	.3	.1	.0	.0
345.	*	.6	.8	.8	.6	.5	.5	.5	.0	.0	.1	.4	.7	.6	.6	.2	.4	.5	.1	.0	.0
350.	*	.3	.5	.7	.6	.5	.5	.5	.0	.0	.0	.3	.5	.6	.7	.2	.4	.9	.3	.0	.0
355.	*	.2	.3	.4	.6	.5	.5	.5	.0	.0	.0	.2	.5	.5	.6	.4	.6	1.1	.6	.0	.0
360.	*	.1	.1	.2	.4	.5	.5	.5	.0	.0	.0	.1	.3	.4	.5	.5	.8	1.2	.7	.0	.0
-----																					
MAX	*	1.5	1.6	1.7	1.2	.9	.8	.8	1.3	1.4	1.3	.9	1.2	1.1	1.0	1.5	1.9	2.0	1.2	.8	.6
DEGR.	*	305	315	290	195	310	315	285	230	225	195	180	215	195	210	155	140	130	20	95	75

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JOB: PurpleLine S9EXAM

RUN: PurpleLine S9EXAM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.2	.2	.4	1.1	.9	1.0	1.2
5.	.0	.2	.2	.5	1.1	.7	1.1	1.1
10.	.0	.2	.3	.7	1.2	.8	1.0	1.0
15.	.0	.2	.4	.9	.9	.8	1.0	1.0
20.	.0	.3	.4	.8	.7	.9	1.0	1.0
25.	.0	.3	.4	.9	.8	.9	1.0	1.0
30.	.2	.3	.6	.9	.4	1.0	1.0	1.0
35.	.1	.3	.6	1.0	.4	.9	.9	1.0
40.	.1	.4	.6	1.0	.6	1.0	1.0	1.0
45.	.1	.4	.5	1.0	.6	1.0	.9	.8
50.	.3	.4	.5	.9	.6	1.0	.9	.8
55.	.3	.5	.6	.9	.6	1.0	.8	.8
60.	.3	.4	.5	.7	.6	1.1	.7	.9
65.	.4	.4	.4	.6	.7	1.1	.7	.9
70.	.4	.4	.5	.7	.7	1.2	.7	.8
75.	.4	.3	.5	.7	.6	1.1	.7	.7
80.	.5	.3	.6	.6	.8	.9	.7	.7
85.	.6	.1	.3	.5	.7	.8	.8	.7
90.	.5	.1	.4	.5	.7	.8	.8	.6
95.	.5	.1	.4	.5	.7	.9	.9	.6
100.	.5	.1	.2	.5	.8	.9	.8	.6
105.	.4	.1	.2	.5	.8	.9	.8	.6
110.	.4	.1	.2	.4	.8	.9	.8	.6
115.	.4	.1	.1	.4	.8	.9	.8	.6
120.	.3	.0	.1	.3	.8	1.0	.7	.7
125.	.2	.0	.1	.3	.8	.9	.7	.6
130.	.2	.0	.0	.2	.8	.9	.7	.5
135.	.2	.0	.0	.2	.8	.7	.8	.6
140.	.2	.0	.0	.1	.7	.8	.7	.5
145.	.2	.0	.0	.0	.4	.8	.6	.4
150.	.2	.0	.0	.0	.3	.6	.4	.3
155.	.2	.0	.0	.0	.3	.4	.3	.3
160.	.2	.0	.0	.0	.1	.2	.2	.2
165.	.2	.0	.0	.0	.0	.2	.1	.1
170.	.2	.0	.0	.0	.0	.2	.1	.1
175.	.2	.0	.0	.0	.0	.1	.1	.1
180.	.2	.0	.0	.0	.0	.1	.1	.0
185.	.2	.0	.0	.0	.0	.0	.0	.0
190.	.2	.0	.0	.0	.0	.0	.0	.0
195.	.2	.0	.0	.0	.0	.0	.0	.0
200.	.2	.0	.0	.0	.0	.0	.0	.0
205.	.2	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9EXAM

RUN: PurpleLine S9EXAM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.2	.0	.0	.0	.0	.0	.0	.0
215.	.2	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0



225.	*	.3	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.1	.1	.0	.0	.0
245.	*	.3	.1	.1	.1	.0	.0	.0
250.	*	.2	.1	.2	.2	.0	.0	.0
255.	*	.2	.2	.2	.2	.2	.0	.0
260.	*	.1	.2	.2	.2	.3	.0	.0
265.	*	.1	.2	.2	.2	.3	.0	.0
270.	*	.1	.2	.2	.2	.3	.0	.0
275.	*	.0	.2	.2	.2	.4	.1	.0
280.	*	.0	.2	.2	.2	.4	.1	.0
285.	*	.0	.2	.2	.2	.5	.1	.0
290.	*	.0	.2	.2	.2	.5	.1	.0
295.	*	.0	.2	.2	.2	.5	.1	.0
300.	*	.0	.2	.2	.2	.5	.2	.0
305.	*	.0	.2	.2	.2	.5	.2	.0
310.	*	.0	.2	.2	.2	.6	.2	.0
315.	*	.0	.2	.2	.2	.6	.3	.0
320.	*	.0	.2	.2	.2	.6	.3	.2
325.	*	.0	.2	.2	.2	.6	.3	.2
330.	*	.0	.2	.2	.2	.6	.4	.3
335.	*	.0	.2	.2	.2	.7	.6	.4
340.	*	.0	.2	.2	.2	.8	.6	.4
345.	*	.0	.2	.2	.2	.8	.7	.8
350.	*	.0	.2	.2	.2	.8	.7	1.0
355.	*	.0	.2	.2	.3	1.0	.8	.9
360.	*	.0	.2	.2	.4	1.1	.9	1.2
-----								
MAX	*	.6	.5	.6	1.0	1.2	1.2	1.1
DEGR.	*	85	55	30	35	10	70	5

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 130 DEGREES FROM REC17.  
 THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 140 DEGREES FROM REC16.  
 THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 290 DEGREES FROM REC3 .

PurpleLine	S9EXPM				60.0321.0.0000.000280.30480000	1	1
SE MID S		1247.	667.	5.0			
SE 164 S		1210.	742.	5.0			
SE 82 S		1179.	818.	5.0			
SE CNR		1162.	921.	5.0			
SE 82 E		1254.	939.	5.0			
SE 164 E		1335.	942.	5.0			
SE MID E		1417.	946.	5.0			
NE MID E		1398.	1028.	5.0			
NE 164 E		1316.	1025.	5.0			
NE 82 E		1235.	1022.	5.0			
NE CNR		1120.	1053.	5.0			
NE 82 N		1079.	1172.	5.0			
NE 164 N		1064.	1255.	5.0			
NE MID N		1060.	1337.	5.0			
NW MID N		953.	1280.	5.0			
NW 164 N		963.	1200.	5.0			
NW 82 N		977.	1118.	5.0			
NW CNR		974.	1010.	5.0			
NW 82 W		881.	950.	5.0			
NW 164 W		804.	923.	5.0			
NW MID W		727.	896.	5.0			
SW MID W		764.	819.	5.0			
SW 164 W		841.	847.	5.0			
SW 82 W		918.	874.	5.0			
SW CNR		1011.	888.	5.0			
SW 82 S		1063.	810.	5.0			
SW 164 S		1093.	734.	5.0			
SW MID S		1128.	660.	5.0			
PurpleLine	S9EXPM				40	1	0
1							
0	193nbAP	AG	1607.	19.	1539.	154.	2008 5.1 0 56 30.
0	193nbAP	AG	1539.	154.	1356.	431.	2008 5.1 0 56 30.
0	193nbTR	AG	1355.	431.	1246.	605.	1764 5.1 0 56 30.
0	193nbTR	AG	1246.	605.	1179.	734.	1764 5.1 0 56 30.
0	193nbTR	AG	1179.	734.	1085.	969.	1764 5.1 0 56 30.
0	193nbTRq	AG	1111.	905.	1175.	745.	0. 36 3
120	77		2.0	1764	57.0	1688	1 3
0	193nbL	AG	1220.	602.	1151.	735.	244 5.1 0 32 30.
0	193nbL	AG	1151.	735.	1065.	963.	244 5.1 0 32 30.
0	193nbLq	AG	1089.	898.	1149.	740.	0. 12 1
120	99		2.0	244	57.0	1770	1 3
0	193nbD	AG	1085.	969.	1036.	1255.	2160 5.1 0 56 30.
0	193nbD	AG	1033.	1254.	1015.	1684.	2160 5.1 0 56 30.
0	193nbD	AG	1015.	1684.	1007.	1970.	2160 5.1 0 56 30.
0	193sbAP	AG	953.	1972.	973.	1408.	2112 5.1 0 56 30.
0	193sbAP	AG	973.	1408.	986.	1249.	2112 5.1 0 56 30.
0	193sbTR	AG	983.	1246.	1032.	974.	1888 5.1 0 56 30.
0	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3
120	77		2.0	1888	57.0	1669	1 3
0	193sbL	AG	1003.	1238.	1054.	980.	224 5.1 0 56 30.
0	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1
120	99		2.0	224	57.0	1770	1 3
0	193sbD	AG	1035.	975.	1110.	760.	1964 5.1 0 56 30.
0	193sbD	AG	1110.	760.	1201.	578.	1964 5.1 0 56 30.
0	193sbD	AG	1201.	578.	1348.	352.	1964 5.1 0 56 30.
0	193sbD	AG	1348.	352.	1467.	172.	1964 5.1 0 56 30.
0	193sbD	AG	1467.	172.	1551.	20.	1964 5.1 0 56 30.
0	320ebAP	AG	14.	596.	316.	687.	1268 5.1 0 44 30.
0	320ebAP	AG	316.	687.	578.	780.	1268 5.1 0 44 30.
0	320ebTR	AG	580.	779.	1055.	945.	988 5.1 0 44 30.
0	230ebTRq	AG	1006.	928.	593.	783.	0. 24 2
120	67		2.0	988	57.0	1713	1 3
0	320ebL	AG	576.	797.	1048.	963.	280 5.1 0 32 30.
0	230ebLq	AG	999.	946.	585.	800.	0. 12 1
120	57		2.0	280	57.0	1770	1 3
1							

0		320ebD	AG	1055.	945.	1146.	959.	1048	5.1	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	1048	5.1	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	1048	5.1	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	696	5.1	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	696	5.1	0	44	30.
0	1	320wbTR	AG	1283.	1003.	1068.	995.	636	5.1	0	44	30.
0	2	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
		120	79	2.0	636	57.0	1701	1	3			
0	1	320wbL	AG	1278.	988.	1070.	982.	60	5.1	0	32	30.
0	2	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
		120	72	2.0	60	57.0	1770	1	3			
0	1	320wbD	AG	1068.	994.	344.	735.	912	5.1	0	44	30.
0	1	320wbD	AG	344.	735.	15.	633.	912	5.1	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9EXPM

RUN: PurpleLine S9EXPM

DATE: 10/01/2007 TIME: 11:07:42.32

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	2008.	5.1	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	2008.	5.1	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	1764.	5.1	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	1764.	5.1	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	1764.	5.1	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1394.5	196.3	*	763.	158. AG	294.	100.0	.0	36.0	1.07 38.8
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	244.	5.1	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	244.	5.1	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1158.5	714.9	*	196.	159. AG	126.	100.0	.0	12.0	.98 10.0
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	2160.	5.1	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	2160.	5.1	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	2160.	5.1	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	2112.	5.1	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	2112.	5.1	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1888.	5.1	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	796.0	2257.7	*	1252.	350. AG	294.	100.0	.0	36.0	1.16 63.6
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	224.	5.1	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	1014.1	1183.0	*	154.	349. AG	126.	100.0	.0	12.0	.90 7.8
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	1964.	5.1	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	1964.	5.1	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	1964.	5.1	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	1964.	5.1	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	1964.	5.1	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	1268.	5.1	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	1268.	5.1	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	988.	5.1	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	835.2	868.0	*	181.	251. AG	171.	100.0	.0	24.0	.71 9.2
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	280.	5.1	.0	32.0	
29. 0	230ebLq	999.0	946.0	916.7	917.0	*	87.	251. AG	73.	100.0	.0	12.0	.32 4.4
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	1048.	5.1	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1048.	5.1	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1048.	5.1	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	696.	5.1	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	696.	5.1	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	636.	5.1	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	1266.3	1002.4	*	137.	88. AG	201.	100.0	.0	24.0	.61 7.0
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	60.	5.1	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1155.6	984.7	*	24.	88. AG	92.	100.0	.0	12.0	.09 1.2
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	912.	5.1	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	912.	5.1	.0	44.0	

JOB: PurpleLine S9EXPM

RUN: PurpleLine S9EXPM

DATE: 10/01/2007 TIME: 11:07:42.32

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	77	2.0	1764	1688	57.00	1	3
9. 0	193nbLq	120	99	2.0	244	1770	57.00	1	3
16. 0	193sbTRq	120	77	2.0	1888	1669	57.00	1	3
18. 0	193sbLq	120	99	2.0	224	1770	57.00	1	3
27. 0	230ebTRq	120	67	2.0	988	1713	57.00	1	3
29. 0	230ebLq	120	57	2.0	280	1770	57.00	1	3
36. 0	230wbTRq	120	79	2.0	636	1701	57.00	1	3
38. 0	230wbLq	120	72	2.0	60	1770	57.00	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*

15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

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JOB: PurpleLine S9EXPM

RUN: PurpleLine S9EXPM

## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.3	.6	.5	.3	.3	.0	.0	.0	.2	.5	.5	.6	2.1	1.9	1.9	1.3	.4	.2
5.	*	.0	.1	.2	.5	.5	.3	.3	.0	.0	.0	.2	.3	.3	2.1	2.0	2.0	1.5	.4	.2
10.	*	.0	.1	.2	.5	.4	.3	.3	.0	.0	.0	.2	.2	.2	2.3	2.0	2.1	1.5	.5	.3
15.	*	.0	.1	.2	.5	.3	.3	.3	.0	.0	.0	.1	.1	.1	2.2	1.9	2.0	1.4	.7	.5
20.	*	.0	.0	.2	.5	.3	.3	.3	.0	.0	.0	.0	.1	.1	2.0	1.9	1.9	1.3	.5	.4
25.	*	.0	.0	.2	.5	.3	.3	.3	.0	.0	.0	.0	.1	.1	1.9	1.7	1.8	1.2	.6	.3
30.	*	.0	.0	.2	.5	.2	.3	.3	.0	.0	.0	.0	.0	.0	1.8	1.7	1.7	1.3	.5	.3
35.	*	.0	.0	.1	.5	.2	.3	.3	.0	.0	.0	.0	.0	.0	1.7	1.6	1.7	1.2	.6	.3
40.	*	.0	.0	.1	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	1.7	1.7	1.5	1.1	.6	.4
45.	*	.0	.0	.1	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	1.6	1.5	1.6	1.1	.6	.4
50.	*	.0	.0	.1	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	1.6	1.5	1.6	1.0	.6	.5
55.	*	.0	.0	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	1.4	1.4	1.6	1.0	.6	.5
60.	*	.0	.0	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	1.4	1.4	1.6	.9	.5	.4
65.	*	.0	.0	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	1.4	1.3	1.5	.9	.4	.5
70.	*	.0	.0	.1	.3	.4	.4	.4	.1	.1	.0	.0	.0	.0	1.5	1.4	1.6	.8	.6	.5
75.	*	.0	.0	.1	.3	.4	.4	.4	.1	.1	.1	.0	.0	.0	1.5	1.4	1.6	.9	.6	.6
80.	*	.0	.0	.0	.3	.4	.4	.4	.1	.1	.1	.0	.0	.0	1.5	1.4	1.6	.7	.7	.5
85.	*	.0	.0	.0	.1	.3	.3	.3	.3	.3	.3	.0	.0	.0	1.6	1.4	1.6	.7	.7	.7
90.	*	.0	.0	.0	.1	.2	.2	.2	.3	.3	.4	.2	.0	.0	1.4	1.4	1.5	.7	1.0	.7
95.	*	.0	.0	.0	.1	.2	.1	.1	.3	.3	.4	.3	.0	.0	1.5	1.4	1.5	.8	.9	.8
100.	*	.0	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0	1.4	1.5	1.5	.6	.9	.9
105.	*	.0	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0	1.4	1.5	1.8	.8	1.0	1.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.4	.0	.0	1.5	1.5	1.8	1.0	1.1	.9
115.	*	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.5	.0	.0	1.6	1.5	1.8	.8	1.1	.9
120.	*	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.5	.0	.0	1.7	1.7	1.7	.8	1.2	.8
125.	*	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.5	.1	.0	1.7	1.9	1.7	.7	1.3	.8
130.	*	.0	.0	.0	.0	.0	.0	.0	.2	.2	.7	.5	.1	.0	1.7	1.9	2.0	.9	1.1	.7
135.	*	.1	.2	.1	.0	.0	.0	.0	.2	.2	.7	.5	.1	.1	1.9	2.1	1.9	1.0	1.2	.7
140.	*	.4	.2	.2	.1	.0	.0	.0	.2	.2	.7	.5	.2	.2	2.2	2.1	1.9	1.1	.8	.5
145.	*	.5	.6	.5	.1	.0	.0	.0	.2	.2	.8	.6	.3	.3	2.2	2.2	2.0	1.1	.8	.6
150.	*	.8	.9	.8	.2	.0	.0	.0	.2	.2	.8	.7	.3	.3	2.4	2.2	1.9	1.2	.7	.5
155.	*	1.0	1.1	1.1	.4	.1	.0	.0	.2	.2	.9	.9	.4	.5	2.3	2.1	1.9	1.0	.7	.4
160.	*	1.2	1.4	1.3	.7	.1	.0	.0	.2	.2	.9	.8	.7	.5	2.1	1.9	1.4	.6	.6	.4
165.	*	1.4	1.5	1.6	.9	.2	.1	.0	.2	.3	1.0	.8	.8	.7	2.0	1.6	1.0	.6	.6	.4
170.	*	1.5	1.7	1.6	1.0	.2	.1	.0	.2	.3	1.0	1.0	.9	.8	1.6	1.1	.9	.7	.6	.3
175.	*	1.5	1.7	1.7	1.2	.3	.1	.1	.3	.4	1.1	1.2	.8	1.2	1.1	.9	.7	.5	.6	.3
180.	*	1.4	1.6	1.6	1.1	.3	.2	.1	.3	.4	1.1	1.2	.9	1.1	.9	.6	.4	.5	.6	.3
185.	*	1.4	1.6	1.8	1.1	.4	.2	.1	.3	.4	1.1	1.1	1.1	1.0	.5	.4	.4	.5	.5	.3
190.	*	1.4	1.5	1.8	1.2	.5	.2	.2	.4	.4	1.3	.8	1.0	1.0	.4	.3	.3	.5	.5	.3
195.	*	1.5	1.5	1.7	1.2	.4	.2	.2	.4	.4	1.3	.8	1.1	1.3	1.1	.1	.3	.3	.5	.3
200.	*	1.3	1.5	1.6	1.2	.5	.2	.2	.4	.4	1.3	.7	1.1	1.3	1.0	.1	.2	.2	.5	.3
205.	*	1.3	1.4	1.4	1.0	.5	.2	.2	.4	.4	1.3	.7	1.1	1.2	.9	.1	.0	.2	.5	.3

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JOB: PurpleLine S9EXPM

RUN: PurpleLine S9EXPM

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	1.3	1.4	1.5	1.0	.6	.3	.2	.4	.5	1.4	.6	1.2	1.2	1.1	.1	.0	.2	.5	.4
215.	*	1.3	1.4	1.5	1.0	.6	.3	.2	.4	.5	1.3	.6	1.4	1.2	1.1	.0	.0	.2	.4	.4
220.	*	1.1	1.3	1.5	1.0	.6	.3	.2	.4	.7	1.4	.8	1.4	1.2	1.0	.0	.0	.1	.4	.4
225.	*	1.2	1.2	1.5	1.0	.6	.3	.2	.4	.8	1.3	.8	1.3	1.1	1.0	.0	.0	.1	.3	.4
230.	*	1.2	1.2	1.5	.9	.6	.4	.2	.5	.8	1.2	.8	1.2	.9	.9	.0	.0	.1	.3	.3
235.	*	1.2	1.3	1.5	.9	.6	.4	.2	.5	.8	1.3	.7	1.1	.9	.9	.0	.0	.0	.3	.4
240.	*	1.2	1.4	1.4	.8	.6	.5	.3	.6	.9	1.5	.8	1.1	.9	.9	.0	.0	.0	.2	.4
245.	*	1.2	1.4	1.4	.9	.5	.5	.3	.6	1.0	1.4	.8	1.0	.9	.9	.0	.0	.0	.1	.4
250.	*	1.2	1.4	1.5	.9	.6	.4	.3	.5	1.0	1.5	.8	1.0	.9	.9	.0	.0	.0	.1	.2
255.	*	1.2	1.3	1.5	.9	.7	.4	.4	.3	.9	1.2	.8	1.1	1.0	.9	.0	.0	.0	.1	.2
260.	*	1.2	1.4	1.5	.8	.7	.5	.4	.4	.9	1.1	.8	1.1	1.0	.9	.0	.0	.0	.0	.1
265.	*	1.2	1.3	1.5	.7	.7	.5	.4	.4	.7	.9	.8	1.1	1.0	1.0	.0	.0	.0	.0	.1
270.	*	1.2	1.4	1.5	.8	.7	.7	.4	.4	.8	.7	.8	1.0	1.0	1.0	.0	.0	.0	.0	.1

275.	*	1.2	1.5	1.6	.8	.6	.3	.3	.4	.6	.6	.8	1.0	.8	.9	.0	.0	.0	.0	.0	.0
280.	*	1.3	1.5	1.7	.7	.6	.6	.4	.4	.4	.7	.9	1.0	.9	.9	.0	.0	.0	.0	.0	.0
285.	*	1.3	1.6	1.8	.7	.6	.7	.5	.2	.5	.7	.9	1.0	.9	.9	.0	.0	.0	.0	.0	.0
290.	*	1.4	1.8	1.8	.7	.7	.8	.5	.3	.4	.5	.9	1.0	1.1	.9	.0	.0	.0	.0	.0	.0
295.	*	1.3	1.6	1.8	.8	.8	.8	.6	.3	.4	.5	.9	1.0	1.1	.9	.0	.0	.0	.0	.0	.0
300.	*	1.7	1.7	1.6	.6	.9	.9	.7	.2	.3	.5	.9	1.1	1.1	.9	.0	.0	.0	.0	.0	.0
305.	*	1.7	1.8	1.6	.6	1.0	.8	.6	.2	.3	.5	.9	1.1	1.1	1.0	.0	.0	.0	.0	.0	.0
310.	*	1.7	1.8	1.5	.7	1.0	.7	.5	.2	.2	.5	.9	1.1	1.1	1.1	.1	.0	.0	.0	.0	.0
315.	*	1.7	1.6	1.5	.9	1.1	.6	.5	.3	.3	.4	1.0	1.2	1.2	1.1	.1	.0	.0	.0	.0	.0
320.	*	1.6	1.6	1.6	.9	1.0	.5	.5	.3	.3	.5	1.0	1.2	1.3	1.1	.1	.0	.0	.0	.0	.0
325.	*	1.4	1.7	1.4	1.0	1.0	.6	.5	.3	.3	.5	1.1	1.2	1.3	1.1	.2	.1	.2	.0	.0	.0
330.	*	1.5	1.6	1.4	1.2	1.1	.6	.4	.1	.4	.5	1.1	1.4	1.3	1.2	.4	.2	.3	.1	.0	.0
335.	*	1.3	1.4	1.2	1.3	.9	.5	.4	.1	.3	.4	1.0	1.2	1.2	1.2	.6	.4	.4	.1	.0	.0
340.	*	.9	1.1	1.0	1.3	.9	.4	.4	.1	.1	.4	.9	1.2	1.2	1.1	.9	.7	.6	.3	.0	.0
345.	*	.7	.9	1.0	1.0	.7	.4	.3	.0	.1	.2	.7	1.1	1.0	1.0	1.2	1.1	1.1	.5	.1	.0
350.	*	.5	.7	.7	.8	.7	.3	.3	.0	.0	.1	.5	.8	.9	1.0	1.6	1.4	1.5	.8	.2	.1
355.	*	.3	.4	.4	.7	.6	.3	.3	.0	.0	.0	.5	.7	.7	.7	2.0	1.8	1.8	1.1	.2	.1
360.	*	.1	.3	.3	.6	.5	.3	.3	.0	.0	.0	.2	.5	.5	.6	2.1	1.9	1.9	1.3	.4	.2
MAX	*	1.7	1.8	1.8	1.3	1.1	.9	.7	.6	1.0	1.5	1.2	1.4	1.3	1.2	2.4	2.2	2.1	1.5	1.3	1.0
DEGR.	*	300	290	285	335	315	300	300	240	245	240	175	215	195	330	150	145	10	5	125	105

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JOB: PurpleLine S9EXPM

RUN: PurpleLine S9EXPM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.1	.4	.9	1.3	1.6	1.1	1.2	1.5
5.	.1	.5	.9	1.6	1.4	1.0	1.1	1.5
10.	.2	.5	1.1	1.5	1.4	.9	1.4	1.5
15.	.2	.5	1.2	1.6	1.0	1.0	1.3	1.3
20.	.2	.5	1.3	1.5	1.0	1.0	1.3	1.1
25.	.2	.5	1.1	1.6	.7	.9	1.3	1.1
30.	.3	.5	1.3	1.5	.6	1.1	1.3	1.1
35.	.2	.7	1.3	1.4	.5	1.0	1.3	1.1
40.	.2	.8	1.3	1.3	.7	1.2	1.1	1.1
45.	.3	.7	1.2	1.3	.7	1.3	1.1	.9
50.	.5	.7	1.2	1.3	.7	1.3	1.2	.9
55.	.4	.8	1.2	1.2	.5	1.2	1.2	.9
60.	.4	.6	1.1	.9	.6	1.2	1.1	.9
65.	.4	.5	.9	.8	.7	1.2	1.0	1.0
70.	.4	.6	.9	.9	.7	1.2	1.0	1.0
75.	.4	.6	.8	.8	.6	1.3	1.0	1.0
80.	.4	.4	.6	.6	.7	1.1	1.0	1.0
85.	.6	.4	.5	.7	.7	1.1	1.0	1.0
90.	.7	.3	.6	.6	.8	1.2	1.0	1.0
95.	.7	.2	.5	.5	.7	1.2	1.1	1.0
100.	.7	.2	.5	.5	.8	1.2	1.1	.9
105.	.5	.2	.3	.5	.8	1.2	1.1	.9
110.	.6	.2	.2	.6	.8	1.1	1.1	1.1
115.	.6	.2	.3	.6	.9	1.3	1.1	1.1
120.	.6	.2	.3	.6	.9	1.3	1.0	1.2
125.	.5	.2	.2	.5	.9	1.2	1.1	1.2
130.	.4	.1	.2	.4	1.0	1.2	1.2	1.3
135.	.4	.1	.2	.4	1.0	1.3	1.2	1.2
140.	.3	.1	.1	.3	.9	1.4	1.3	1.2
145.	.2	.0	.1	.2	.8	1.3	1.1	1.2
150.	.3	.0	.1	.1	.5	.9	.9	.8
155.	.3	.0	.0	.1	.5	.8	.7	.6
160.	.3	.0	.0	.0	.4	.6	.6	.5
165.	.3	.0	.0	.0	.1	.4	.3	.3
170.	.3	.0	.0	.0	.0	.3	.2	.2
175.	.2	.0	.0	.0	.0	.2	.1	.1
180.	.3	.0	.0	.0	.0	.1	.1	.1
185.	.3	.0	.0	.0	.0	.1	.1	.0
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.3	.0	.0	.0	.0	.0	.0	.0
200.	.3	.0	.0	.0	.0	.0	.0	.0
205.	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9EXPM

RUN: PurpleLine S9EXPM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0

225.	*	.3	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.1	.1	.0	.0	.0
235.	*	.4	.1	.1	.1	.0	.0	.0
240.	*	.3	.1	.1	.2	.0	.0	.0
245.	*	.3	.1	.2	.3	.2	.0	.0
250.	*	.2	.3	.2	.5	.2	.0	.0
255.	*	.2	.4	.3	.6	.4	.0	.0
260.	*	.1	.4	.3	.7	.4	.0	.0
265.	*	.1	.4	.4	.8	.6	.0	.0
270.	*	.1	.3	.4	.9	.6	.0	.0
275.	*	.0	.3	.3	.8	.7	.2	.0
280.	*	.0	.3	.3	.8	.7	.2	.0
285.	*	.0	.3	.3	.9	.7	.3	.0
290.	*	.0	.3	.3	.9	.8	.2	.0
295.	*	.0	.3	.3	.9	.7	.2	.1
300.	*	.0	.3	.3	.8	.7	.3	.1
305.	*	.0	.3	.3	.8	.7	.3	.1
310.	*	.0	.3	.3	.8	.7	.4	.1
315.	*	.0	.3	.3	.8	.7	.3	.2
320.	*	.0	.3	.4	.8	.6	.3	.2
325.	*	.0	.3	.4	.8	.6	.4	.3
330.	*	.0	.3	.4	.8	.7	.5	.5
335.	*	.0	.3	.5	.8	.8	.7	.6
340.	*	.0	.3	.5	.9	1.0	.9	1.1
345.	*	.0	.3	.6	.9	1.0	.9	1.4
350.	*	.0	.3	.7	1.0	1.0	1.0	1.3
355.	*	.1	.4	.7	1.1	1.7	1.1	1.3
360.	*	.1	.4	.9	1.3	1.6	1.1	1.5
-----*								
MAX	*	.7	.8	1.3	1.6	1.7	1.4	1.5
DEGR.	*	90	40	20	5	355	140	10

THE HIGHEST CONCENTRATION IS 2.40 PPM AT 150 DEGREES FROM REC15.  
 THE 2ND HIGHEST CONCENTRATION IS 2.20 PPM AT 145 DEGREES FROM REC16.  
 THE 3RD HIGHEST CONCENTRATION IS 2.10 PPM AT 10 DEGREES FROM REC17.

PurpleLine S9NB15AM				60.0321.0.0000.000280.30480000	1	1
SE MID S	1247.	667.	5.0			
SE 164 S	1210.	742.	5.0			
SE 82 S	1179.	818.	5.0			
SE CNR	1162.	921.	5.0			
SE 82 E	1254.	939.	5.0			
SE 164 E	1335.	942.	5.0			
SE MID E	1417.	946.	5.0			
NE MID E	1398.	1028.	5.0			
NE 164 E	1316.	1025.	5.0			
NE 82 E	1235.	1022.	5.0			
NE CNR	1120.	1053.	5.0			
NE 82 N	1079.	1172.	5.0			
NE 164 N	1064.	1255.	5.0			
NE MID N	1060.	1337.	5.0			
NW MID N	953.	1280.	5.0			
NW 164 N	963.	1200.	5.0			
NW 82 N	977.	1118.	5.0			
NW CNR	974.	1010.	5.0			
NW 82 W	881.	950.	5.0			
NW 164 W	804.	923.	5.0			
NW MID W	727.	896.	5.0			
SW MID W	764.	819.	5.0			
SW 164 W	841.	847.	5.0			
SW 82 W	918.	874.	5.0			
SW CNR	1011.	888.	5.0			
SW 82 S	1063.	810.	5.0			
SW 164 S	1093.	734.	5.0			
SW MID S	1128.	660.	5.0			
PurpleLine S9NB15AM		40	1	0		
1						
0	193nbAP	AG	1607.	19.	1539.	154.
0	193nbAP	AG	1539.	154.	1356.	431.
0	193nbTR	AG	1355.	431.	1246.	605.
0	193nbTR	AG	1246.	605.	1179.	734.
0	193nbTR	AG	1179.	734.	1085.	969.
0	193nbTRq	AG	1111.	905.	1175.	745.
120	74		2.0	1715	33.4	1692 1 3
0	193nbL	AG	1220.	602.	1151.	735.
0	193nbL	AG	1151.	735.	1065.	963.
0	193nbLq	AG	1089.	898.	1149.	740.
120	102		2.0	205	33.4	1770 1 3
0	193nbD	AG	1085.	969.	1036.	1255.
0	193nbD	AG	1033.	1254.	1015.	1684.
0	193nbD	AG	1015.	1684.	1007.	1970.
0	193sbAP	AG	953.	1972.	973.	1408.
0	193sbAP	AG	973.	1408.	986.	1249.
0	193sbTR	AG	983.	1246.	1032.	974.
0	193sbTRq	AG	1023.	1026.	983.	1243.
120	74		2.0	1550	33.4	1674 1 3
0	193sbL	AG	1003.	1238.	1054.	980.
0	193sbLq	AG	1044.	1032.	1005.	1229.
120	102		2.0	215	33.4	1770 1 3
0	193sbD	AG	1035.	975.	1110.	760.
0	193sbD	AG	1110.	760.	1201.	578.
0	193sbD	AG	1201.	578.	1348.	352.
0	193sbD	AG	1348.	352.	1467.	172.
0	193sbD	AG	1467.	172.	1551.	20.
0	320ebAP	AG	14.	596.	316.	687.
0	320ebAP	AG	316.	687.	578.	780.
0	320ebTR	AG	580.	779.	1055.	945.
0	230ebTRq	AG	1006.	928.	593.	783.
120	63		2.0	510	33.4	1669 1 3
0	320ebL	AG	576.	797.	1048.	963.
0	230ebLq	AG	999.	946.	585.	800.
120	63		2.0	190	33.4	1770 1 3
1						



0		320ebD	AG	1055.	945.	1146.	959.	550	3.0	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	550	3.0	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	550	3.0	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	1340	3.1	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	1340	3.1	0	44	30.
0	1	320wbTR	AG	1283.	1003.	1068.	995.	1315	3.1	0	44	30.
0	2	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
		120	67	2.0	1315	33.4	1673	1	3			
0	1	320wbL	AG	1278.	988.	1070.	982.	25	3.1	0	32	30.
0	2	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
		120	67	2.0	25	33.4	1770	1	3			
0	1	320wbD	AG	1068.	994.	344.	735.	1170	3.1	0	44	30.
0	1	320wbD	AG	344.	735.	15.	633.	1170	3.1	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9NB15AM

RUN: PurpleLine S9NB15AM

DATE: 10/01/2007 TIME: 12:22:55.88

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	1920.	3.1	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	1920.	3.1	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	1715.	3.1	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	1715.	3.1	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	1715.	3.1	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1226.9	615.3	*	312.	158. AG	166.	100.0	.0	36.0	.96 15.9
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	205.	3.1	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	205.	3.1	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1153.5	728.0	*	182.	159. AG	76.	100.0	.0	12.0	1.00 9.2
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	2365.	3.1	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	2365.	3.1	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	2365.	3.1	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	1765.	3.1	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	1765.	3.1	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1550.	3.1	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	979.8	1260.6	*	239.	350. AG	166.	100.0	.0	36.0	.88 12.1
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	215.	3.1	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	989.3	1308.1	*	281.	349. AG	76.	100.0	.0	12.0	1.04 14.3
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	1640.	3.1	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	1640.	3.1	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	1640.	3.1	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	1640.	3.1	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	1640.	3.1	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	700.	3.0	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	700.	3.0	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	510.	3.0	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	923.1	898.9	*	88.	251. AG	94.	100.0	.0	24.0	.35 4.5
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	190.	3.0	.0	32.0	
29. 0	230ebLq	999.0	946.0	937.3	924.2	*	65.	251. AG	47.	100.0	.0	12.0	.24 3.3
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	550.	3.0	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	550.	3.0	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	550.	3.0	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	1340.	3.1	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	1340.	3.1	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1315.	3.1	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	1451.8	1009.7	*	323.	88. AG	100.	100.0	.0	24.0	.96 16.4
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	25.	3.1	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1141.2	984.3	*	9.	88. AG	50.	100.0	.0	12.0	.03 .5
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	1170.	3.1	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	1170.	3.1	.0	44.0	

JOB: PurpleLine S9NB15AM

RUN: PurpleLine S9NB15AM

DATE: 10/01/2007 TIME: 12:22:55.88

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	74	2.0	1715	1692	33.40	1	3
9. 0	193nbLq	120	102	2.0	205	1770	33.40	1	3
16. 0	193sbTRq	120	74	2.0	1550	1674	33.40	1	3
18. 0	193sbLq	120	102	2.0	215	1770	33.40	1	3
27. 0	230ebTRq	120	63	2.0	510	1669	33.40	1	3
29. 0	230ebLq	120	63	2.0	190	1770	33.40	1	3
36. 0	230wbTRq	120	67	2.0	1315	1673	33.40	1	3
38. 0	230wbLq	120	67	2.0	25	1770	33.40	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*

15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

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JOB: PurpleLine S9NB15AM

RUN: PurpleLine S9NB15AM

## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.1	.1	.2	.4	.4	.3	.0	.0	.0	.2	.2	.2	.3	.6	1.0	.5	.0	.0
5.	*	.0	.1	.1	.2	.4	.4	.3	.0	.0	.0	.2	.2	.2	.4	.7	1.0	.6	.0	.0
10.	*	.0	.1	.1	.2	.4	.4	.3	.0	.0	.0	.1	.1	.1	.4	.8	1.0	.7	.1	.0
15.	*	.0	.1	.1	.2	.3	.3	.3	.0	.0	.0	.0	.1	.1	.4	.8	1.1	.8	.1	.0
20.	*	.0	.1	.1	.2	.3	.4	.3	.0	.0	.0	.0	.1	.1	.4	.8	1.1	.7	.1	.0
25.	*	.0	.1	.1	.2	.3	.4	.3	.0	.0	.0	.0	.0	.0	.3	.9	1.1	.7	.1	.1
30.	*	.0	.1	.1	.2	.3	.4	.3	.0	.0	.0	.0	.0	.0	.3	.9	1.1	.7	.1	.1
35.	*	.0	.0	.1	.2	.4	.4	.3	.0	.0	.0	.0	.0	.0	.3	.9	.9	.7	.4	.1
40.	*	.0	.0	.1	.2	.4	.4	.2	.0	.0	.0	.0	.0	.0	.3	.8	.9	.6	.3	.1
45.	*	.0	.0	.1	.2	.4	.3	.2	.0	.0	.0	.0	.0	.0	.3	.8	.9	.6	.3	.1
50.	*	.0	.0	.1	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.4	.9	.9	.6	.3	.1
55.	*	.0	.0	.0	.2	.4	.3	.2	.0	.0	.0	.0	.0	.0	.4	.9	.8	.6	.4	.2
60.	*	.0	.0	.0	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.4	.8	.8	.6	.3	.2
65.	*	.0	.0	.0	.3	.3	.3	.2	.1	.1	.0	.0	.0	.0	.4	.8	.8	.5	.3	.2
70.	*	.0	.0	.0	.3	.3	.3	.2	.1	.1	.1	.0	.0	.0	.4	.9	.8	.4	.2	.1
75.	*	.0	.0	.0	.3	.3	.2	.2	.1	.2	.2	.0	.0	.0	.4	.9	.9	.4	.3	.2
80.	*	.0	.0	.0	.3	.3	.2	.2	.2	.3	.3	.0	.0	.0	.4	.9	.9	.4	.3	.2
85.	*	.0	.0	.0	.1	.2	.2	.2	.3	.4	.4	.1	.0	.0	.4	.9	.9	.5	.3	.3
90.	*	.0	.0	.0	.0	.1	.1	.1	.3	.4	.5	.2	.0	.0	.4	.9	.8	.5	.4	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.3	.5	.5	.2	.0	.0	.4	.8	.8	.4	.3	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.4	.5	.6	.2	.0	.0	.5	.8	.9	.5	.5	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.4	.6	.6	.4	.0	.0	.6	.8	.9	.5	.5	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.5	.6	.6	.3	.0	.0	.6	.9	1.0	.3	.5	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.5	.6	.6	.3	.1	.0	.5	1.0	1.0	.5	.4	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.5	.6	.6	.3	.1	.0	.5	1.0	1.0	.5	.3	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.5	.6	.5	.3	.1	.0	.7	1.1	1.0	.5	.3	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.5	.6	.5	.3	.1	.0	.7	1.1	.9	.5	.3	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.5	.5	.4	.3	.1	.1	.8	1.0	1.0	.5	.3	.1
140.	*	.1	.1	.0	.0	.0	.0	.0	.5	.5	.4	.3	.1	.1	.9	1.0	1.0	.5	.3	.1
145.	*	.2	.2	.1	.0	.0	.0	.0	.4	.4	.4	.3	.1	.2	.9	1.1	1.1	.5	.2	.1
150.	*	.2	.3	.2	.1	.0	.0	.0	.4	.4	.4	.3	.2	.2	.0	1.1	1.1	1.0	.3	.1
155.	*	.2	.3	.4	.1	.0	.0	.0	.4	.4	.4	.3	.3	.1	.0	1.1	1.1	.8	.3	.1
160.	*	.3	.5	.5	.2	.0	.0	.0	.4	.4	.4	.3	.2	.3	.1	1.1	1.0	.7	.4	.1
165.	*	.3	.7	.6	.3	.0	.0	.0	.4	.4	.4	.5	.3	.3	1.0	.7	.7	.2	.1	.1
170.	*	.3	.7	.7	.4	.0	.0	.0	.4	.4	.4	.5	.3	.4	.3	.7	.5	.3	.2	.1
175.	*	.4	.7	.8	.4	.1	.0	.0	.4	.4	.5	.5	.4	.5	.4	.5	.3	.2	.2	.1
180.	*	.4	.7	.9	.5	.1	.0	.0	.4	.4	.5	.5	.4	.5	.4	.3	.2	.2	.2	.1
185.	*	.4	.8	1.0	.6	.1	.0	.0	.4	.4	.5	.5	.5	.6	.6	.3	.2	.1	.2	.1
190.	*	.6	.8	.9	.6	.1	.0	.0	.4	.5	.5	.5	.4	.7	.7	.1	.1	.0	.2	.1
195.	*	.5	.8	1.0	.6	.2	.1	.0	.4	.5	.6	.5	.6	.7	.7	.0	.0	.0	.2	.1
200.	*	.6	.8	.9	.6	.2	.1	.0	.4	.5	.6	.4	.6	.7	.7	.0	.0	.0	.2	.1
205.	*	.5	.8	.9	.7	.2	.1	.0	.5	.5	.7	.3	.7	.7	.7	.0	.0	.0	.2	.1

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JOB: PurpleLine S9NB15AM

RUN: PurpleLine S9NB15AM

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.6	.8	.9	.6	.2	.1	.1	.5	.5	.6	.4	.7	.8	.7	.0	.0	.0	.1	.2
215.	*	.6	.8	.9	.6	.3	.1	.1	.6	.5	.7	.4	.7	.8	.5	.0	.0	.0	.1	.2
220.	*	.7	.7	.9	.6	.3	.1	.1	.6	.5	.7	.4	.7	.7	.6	.0	.0	.0	.1	.2
225.	*	.7	.7	.9	.6	.3	.1	.1	.7	.7	.7	.3	.6	.7	.5	.0	.0	.0	.1	.2
230.	*	.7	.7	.8	.6	.3	.1	.1	.7	.7	.8	.3	.6	.7	.5	.0	.0	.0	.1	.2
235.	*	.7	.7	.9	.6	.3	.1	.1	.7	.7	.6	.3	.6	.6	.5	.0	.0	.0	.1	.2
240.	*	.7	.7	.9	.6	.2	.1	.1	.7	.7	.6	.4	.6	.6	.4	.0	.0	.0	.1	.2
245.	*	.7	.8	.9	.5	.2	.1	.1	.7	.6	.5	.5	.6	.6	.3	.0	.0	.0	.1	.2
250.	*	.7	.8	.9	.4	.2	.1	.1	.6	.6	.6	.5	.6	.6	.3	.0	.0	.0	.1	.2
255.	*	.7	.8	.9	.3	.2	.1	.1	.7	.6	.6	.5	.6	.7	.3	.0	.0	.0	.1	.1
260.	*	.7	.9	.9	.3	.2	.1	.1	.7	.5	.6	.4	.6	.6	.3	.0	.0	.0	.1	.1
265.	*	.7	.9	.9	.4	.1	.0	.0	.5	.5	.5	.6	.6	.5	.3	.0	.0	.0	.1	.1
270.	*	.7	.8	.9	.4	.0	.1	.2	.3	.5	.4	.6	.6	.5	.3	.0	.0	.0	.1	.1

275.	*	.7	.8	.9	.3	.1	.2	.2	.4	.4	.4	.6	.6	.5	.3	.0	.0	.0	.0	.0	.0
280.	*	.7	.8	.9	.3	.1	.3	.2	.3	.4	.4	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0
285.	*	.7	.7	.9	.3	.3	.4	.3	.3	.3	.3	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0
290.	*	.8	.9	.9	.1	.5	.4	.4	.1	.2	.2	.6	.6	.5	.3	.0	.0	.0	.0	.0	.0
295.	*	.8	.9	.9	.1	.5	.5	.5	.1	.2	.2	.6	.6	.5	.3	.0	.0	.0	.0	.0	.0
300.	*	.8	.9	.9	.3	.5	.6	.5	.0	.1	.2	.6	.6	.4	.3	.0	.0	.0	.0	.0	.0
305.	*	.9	1.0	.9	.4	.5	.6	.4	.0	.1	.2	.6	.7	.4	.3	.0	.0	.0	.0	.0	.0
310.	*	.9	1.0	.9	.4	.5	.5	.4	.0	.0	.2	.6	.6	.3	.5	.0	.0	.0	.0	.0	.0
315.	*	1.0	.9	1.0	.3	.6	.3	.4	.0	.0	.2	.6	.6	.3	.4	.0	.0	.0	.0	.0	.0
320.	*	.9	.9	.8	.5	.6	.3	.4	.0	.0	.0	.6	.7	.4	.4	.0	.0	.0	.0	.0	.0
325.	*	.7	1.0	.7	.5	.6	.4	.4	.0	.0	.0	.4	.7	.4	.4	.0	.0	.0	.0	.0	.0
330.	*	.7	.7	.7	.4	.4	.4	.4	.0	.0	.1	.4	.5	.5	.4	.0	.0	.0	.0	.0	.0
335.	*	.6	.7	.6	.5	.4	.4	.4	.0	.0	.1	.5	.4	.4	.4	.0	.0	.2	.0	.0	.0
340.	*	.4	.5	.4	.4	.3	.3	.4	.0	.0	.0	.2	.5	.4	.4	.0	.0	.2	.0	.0	.0
345.	*	.2	.2	.4	.3	.4	.4	.4	.0	.0	.0	.2	.5	.4	.4	.1	.3	.3	.1	.0	.0
350.	*	.1	.2	.3	.3	.4	.4	.4	.0	.0	.0	.2	.5	.4	.4	.2	.4	.4	.1	.0	.0
355.	*	.0	.1	.1	.2	.4	.4	.4	.0	.0	.0	.1	.2	.4	.4	.2	.6	.6	.3	.0	.0
360.	*	.0	.1	.1	.2	.4	.4	.3	.0	.0	.0	.0	.2	.2	.2	.3	.6	1.0	.5	.0	.0
-----																					
MAX	*	1.0	1.0	1.0	.7	.6	.5	.7	.7	.8	.6	.7	.8	.7	.7	1.1	1.1	1.1	.8	.5	.4
DEGR.	*	315	305	185	205	315	300	295	225	225	230	265	205	210	190	150	125	15	15	100	95

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JOB: PurpleLine S9NB15AM

RUN: PurpleLine S9NB15AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.1	.1	.3	.7	.4	.8	.7
5.	.0	.1	.1	.4	.8	.5	.7	.6
10.	.0	.2	.2	.4	.6	.4	.7	.7
15.	.0	.2	.3	.5	.4	.6	.6	.7
20.	.0	.2	.3	.7	.4	.5	.6	.7
25.	.0	.3	.3	.7	.2	.6	.7	.6
30.	.0	.3	.3	.7	.2	.7	.8	.6
35.	.1	.3	.3	.8	.2	.7	.8	.6
40.	.1	.3	.3	.7	.2	.7	.8	.6
45.	.1	.3	.3	.6	.3	.7	.7	.6
50.	.1	.3	.3	.6	.4	.7	.5	.6
55.	.2	.2	.3	.3	.3	.7	.6	.6
60.	.2	.2	.2	.4	.3	.7	.7	.6
65.	.2	.1	.2	.5	.3	.7	.7	.6
70.	.2	.1	.3	.4	.4	.7	.7	.6
75.	.2	.1	.2	.3	.4	.7	.7	.6
80.	.2	.1	.1	.3	.4	.7	.7	.6
85.	.2	.1	.1	.2	.3	.6	.6	.6
90.	.2	.1	.1	.2	.5	.7	.6	.6
95.	.3	.1	.1	.2	.5	.7	.7	.5
100.	.3	.1	.1	.2	.5	.7	.6	.5
105.	.3	.1	.1	.2	.5	.7	.6	.5
110.	.3	.1	.1	.1	.5	.7	.6	.5
115.	.2	.0	.1	.1	.5	.7	.5	.4
120.	.1	.0	.1	.1	.5	.7	.5	.4
125.	.1	.0	.0	.1	.5	.8	.5	.4
130.	.1	.0	.0	.1	.5	.6	.5	.5
135.	.1	.0	.0	.1	.4	.6	.4	.4
140.	.1	.0	.0	.0	.3	.4	.3	.3
145.	.1	.0	.0	.0	.3	.3	.4	.2
150.	.1	.0	.0	.0	.2	.3	.2	.2
155.	.1	.0	.0	.0	.1	.3	.2	.2
160.	.1	.0	.0	.0	.0	.2	.1	.1
165.	.1	.0	.0	.0	.0	.2	.1	.1
170.	.1	.0	.0	.0	.0	.1	.1	.0
175.	.1	.0	.0	.0	.0	.0	.1	.0
180.	.1	.0	.0	.0	.0	.0	.0	.0
185.	.1	.0	.0	.0	.0	.0	.0	.0
190.	.1	.0	.0	.0	.0	.0	.0	.0
195.	.1	.0	.0	.0	.0	.0	.0	.0
200.	.1	.0	.0	.0	.0	.0	.0	.0
205.	.1	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9NB15AM

RUN: PurpleLine S9NB15AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.1	.0	.0	.0	.0	.0	.0	.0
215.	.2	.0	.0	.0	.0	.0	.0	.0
220.	.2	.0	.0	.0	.0	.0	.0	.0

225.	*	.2	.0	.0	.0	.0	.0	.0	.0
230.	*	.2	.0	.0	.0	.0	.0	.0	.0
235.	*	.2	.0	.0	.0	.0	.0	.0	.0
240.	*	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.0	.0	.1	.0	.0	.0	.0
250.	*	.2	.1	.1	.1	.0	.0	.0	.0
255.	*	.1	.1	.2	.2	.0	.0	.0	.0
260.	*	.1	.2	.2	.2	.1	.0	.0	.0
265.	*	.1	.2	.2	.2	.2	.0	.0	.0
270.	*	.0	.2	.2	.2	.3	.0	.0	.0
275.	*	.0	.2	.2	.2	.3	.0	.0	.0
280.	*	.0	.2	.2	.2	.3	.0	.0	.0
285.	*	.0	.2	.2	.2	.3	.0	.0	.0
290.	*	.0	.2	.2	.2	.3	.0	.0	.0
295.	*	.0	.2	.2	.2	.3	.0	.0	.0
300.	*	.0	.2	.2	.2	.3	.0	.0	.0
305.	*	.0	.2	.2	.2	.3	.1	.0	.0
310.	*	.0	.2	.2	.2	.3	.1	.0	.0
315.	*	.0	.1	.2	.2	.4	.1	.0	.0
320.	*	.0	.1	.1	.1	.4	.1	.0	.1
325.	*	.0	.1	.1	.1	.4	.2	.1	.1
330.	*	.0	.1	.2	.2	.3	.2	.1	.2
335.	*	.0	.2	.2	.2	.4	.2	.2	.2
340.	*	.0	.2	.2	.2	.3	.2	.3	.4
345.	*	.0	.2	.2	.2	.4	.5	.3	.6
350.	*	.0	.2	.2	.2	.5	.5	.6	.7
355.	*	.0	.1	.1	.2	.7	.5	.8	.7
360.	*	.0	.1	.1	.3	.7	.4	.8	.7
-----									
MAX	*	.3	.3	.3	.8	.8	.8	.8	.7
DEGR.	*	95	25	15	35	5	125	30	0

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC15.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 125 DEGREES FROM REC16.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 15 DEGREES FROM REC17.

PurpleLine	S9NB15PM				60.0321.0.0000.000280.30480000				1	1
SE MID S		1247.		667.		5.0				
SE 164 S		1210.		742.		5.0				
SE 82 S		1179.		818.		5.0				
SE CNR		1162.		921.		5.0				
SE 82 E		1254.		939.		5.0				
SE 164 E		1335.		942.		5.0				
SE MID E		1417.		946.		5.0				
NE MID E		1398.		1028.		5.0				
NE 164 E		1316.		1025.		5.0				
NE 82 E		1235.		1022.		5.0				
NE CNR		1120.		1053.		5.0				
NE 82 N		1079.		1172.		5.0				
NE 164 N		1064.		1255.		5.0				
NE MID N		1060.		1337.		5.0				
NW MID N		953.		1280.		5.0				
NW 164 N		963.		1200.		5.0				
NW 82 N		977.		1118.		5.0				
NW CNR		974.		1010.		5.0				
NW 82 W		881.		950.		5.0				
NW 164 W		804.		923.		5.0				
NW MID W		727.		896.		5.0				
SW MID W		764.		819.		5.0				
SW 164 W		841.		847.		5.0				
SW 82 W		918.		874.		5.0				
SW CNR		1011.		888.		5.0				
SW 82 S		1063.		810.		5.0				
SW 164 S		1093.		734.		5.0				
SW MID S		1128.		660.		5.0				
PurpleLine	S9NB15PM			40	1	0				
0	1	193nbAP	AG	1607.	19.	1539.	154.	2215	3.1	0 56 30.
0	1	193nbAP	AG	1539.	154.	1356.	431.	2215	3.1	0 56 30.
0	1	193nbTR	AG	1355.	431.	1246.	605.	1945	3.1	0 56 30.
0	1	193nbTR	AG	1246.	605.	1179.	734.	1945	3.1	0 56 30.
0	2	193nbTR	AG	1179.	734.	1085.	969.	1945	3.1	0 56 30.
0	120	193nbTRq	AG	1111.	905.	1175.	745.	0.	36	3
0	1	193nbL	AG	1220.	602.	1151.	735.	270	3.1	0 32 30.
0	2	193nbL	AG	1151.	735.	1065.	963.	270	3.1	0 32 30.
0	120	193nbLq	AG	1089.	898.	1149.	740.	0.	12	1
0	1	193nbD	AG	1085.	969.	1036.	1255.	2380	3.1	0 56 30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	2380	3.1	0 56 30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	2380	3.1	0 56 30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	2320	3.2	0 56 30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	2320	3.2	0 56 30.
0	2	193sbTR	AG	983.	1246.	1032.	974.	2075	3.2	0 56 30.
0	120	193sbTRq	AG	1023.	1026.	983.	1243.	0.	36	3
0	1	193sbL	AG	1003.	1238.	1054.	980.	245	3.2	0 56 30.
0	120	193sbLq	AG	1044.	1032.	1005.	1229.	0.	12	1
0	1	193sbD	AG	1035.	975.	1110.	760.	2160	3.2	0 56 30.
0	1	193sbD	AG	1110.	760.	1201.	578.	2160	3.2	0 56 30.
0	1	193sbD	AG	1201.	578.	1348.	352.	2160	3.2	0 56 30.
0	1	193sbD	AG	1348.	352.	1467.	172.	2160	3.2	0 56 30.
0										

0		320ebD	AG	1055.	945.	1146.	959.	1155	3.0	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	1155	3.0	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	1155	3.0	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	765	3.0	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	765	3.0	0	44	30.
0	1	320wbTR	AG	1283.	1003.	1068.	995.	700	3.0	0	44	30.
0	2	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
		120	88	2.0	700	33.4	1702	1	3			
0	1	320wbL	AG	1278.	988.	1070.	982.	65	3.0	0	32	30.
0	2	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
		120	85	2.0	65	33.4	1770	1	3			
0	1	320wbD	AG	1068.	994.	344.	735.	1005	3.0	0	44	30.
0	1	320wbD	AG	344.	735.	15.	633.	1005	3.0	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9NB15PM

RUN: PurpleLine S9NB15PM

DATE: 10/01/2007 TIME: 12:32:37.26

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	2215.	3.1	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	2215.	3.1	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	1945.	3.1	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	1945.	3.1	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	1945.	3.1	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1211.0	654.9	*	269.	158. AG	146.	100.0	.0	36.0	.90 13.7
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	270.	3.1	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	270.	3.1	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1161.4	707.3	*	204.	159. AG	72.	100.0	.0	12.0	.96 10.4
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	2380.	3.1	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	2380.	3.1	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	2380.	3.1	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	2320.	3.2	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	2320.	3.2	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	2075.	3.2	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	955.7	1391.3	*	371.	350. AG	148.	100.0	.0	36.0	1.00 18.9
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	245.	3.2	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	1010.2	1202.5	*	174.	349. AG	73.	100.0	.0	12.0	.92 8.8
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	2160.	3.2	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	2160.	3.2	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	2160.	3.2	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	2160.	3.2	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	2160.	3.2	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	1400.	3.0	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	1400.	3.0	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	1090.	3.0	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	723.5	828.8	*	299.	251. AG	113.	100.0	.0	24.0	.96 15.2
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	310.	3.0	.0	32.0	
29. 0	230ebLq	999.0	946.0	887.1	906.5	*	119.	251. AG	52.	100.0	.0	12.0	.46 6.0
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	1155.	3.0	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1155.	3.0	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1155.	3.0	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	765.	3.0	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	765.	3.0	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	700.	3.0	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	1327.7	1004.8	*	199.	88. AG	131.	100.0	.0	24.0	.88 10.1
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	65.	3.0	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1162.2	984.9	*	30.	88. AG	63.	100.0	.0	12.0	.14 1.5
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	1005.	3.0	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	1005.	3.0	.0	44.0	

JOB: PurpleLine S9NB15PM

RUN: PurpleLine S9NB15PM

DATE: 10/01/2007 TIME: 12:32:37.26

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	65	2.0	1945	1688	33.40	1	3
9. 0	193nbLq	120	97	2.0	270	1770	33.40	1	3
16. 0	193sbTRq	120	66	2.0	2075	1668	33.40	1	3
18. 0	193sbLq	120	98	2.0	245	1770	33.40	1	3
27. 0	230ebTRq	120	76	2.0	1090	1713	33.40	1	3
29. 0	230ebLq	120	70	2.0	310	1770	33.40	1	3
36. 0	230wbTRq	120	88	2.0	700	1702	33.40	1	3
38. 0	230wbLq	120	85	2.0	65	1770	33.40	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*



15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

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JOB: PurpleLine S9NB15PM

RUN: PurpleLine S9NB15PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.1	.3	.3	.2	.1	.0	.0	.0	.2	.3	.3	.9	1.0	1.0	.6	.0	.0
5.	*	.0	.1	.1	.3	.3	.1	.1	.0	.0	.0	.2	.2	.9	1.0	1.1	.5	.1	.0	
10.	*	.0	.1	.1	.3	.3	.1	.1	.0	.0	.0	.1	.1	1.0	1.0	1.0	.8	.1	.0	
15.	*	.0	.1	.1	.3	.3	.1	.1	.0	.0	.0	.0	.1	1.1	1.1	1.2	.9	.1	.1	
20.	*	.0	.1	.1	.3	.3	.1	.1	.0	.0	.0	.0	.1	1.1	1.0	1.1	.8	.1	.1	
25.	*	.0	.0	.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	1.1	.9	1.1	.7	.2	.1	
30.	*	.0	.0	.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	1.0	.9	1.0	.7	.3	.1	
35.	*	.0	.0	.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.9	.9	.9	.7	.3	.1	
40.	*	.0	.0	.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.9	.9	.9	.7	.3	.1	
45.	*	.0	.0	.0	.3	.2	.1	.2	.0	.0	.0	.0	.0	.9	.8	.9	.7	.3	.2	
50.	*	.0	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.8	.8	.8	.7	.3	.2	
55.	*	.0	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3	
60.	*	.0	.0	.0	.2	.4	.3	.3	.0	.0	.0	.0	.0	.8	.7	.8	.6	.4	.2	
65.	*	.0	.0	.0	.2	.3	.3	.3	.0	.0	.0	.0	.0	.8	.7	.8	.6	.4	.2	
70.	*	.0	.0	.0	.2	.3	.3	.3	.0	.0	.0	.0	.0	.8	.7	.8	.5	.3	.1	
75.	*	.0	.0	.0	.2	.3	.3	.2	.1	.1	.1	.0	.0	.8	.7	.8	.5	.2	.1	
80.	*	.0	.0	.0	.1	.2	.2	.2	.1	.1	.2	.0	.0	.8	.7	.8	.5	.2	.2	
85.	*	.0	.0	.0	.1	.2	.2	.2	.1	.1	.3	.0	.0	.8	.7	.8	.5	.2	.3	
90.	*	.0	.0	.0	.1	.1	.1	.1	.2	.2	.4	.1	.0	.8	.8	.8	.4	.4	.4	
95.	*	.0	.0	.0	.1	.1	.1	.1	.2	.2	.6	.1	.0	.8	.8	.8	.4	.4	.5	
100.	*	.0	.0	.0	.0	.1	.1	.1	.2	.2	.6	.2	.0	.8	.8	.8	.4	.6	.6	
105.	*	.0	.0	.0	.0	.0	.0	.0	.2	.2	.7	.3	.0	.9	.8	.9	.4	.7	.5	
110.	*	.0	.0	.0	.0	.0	.0	.0	.2	.2	.7	.3	.0	.9	.9	.9	.5	.7	.5	
115.	*	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.3	.0	.8	.9	1.0	.4	.7	.5	
120.	*	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.3	.0	.9	1.0	1.0	.5	.7	.5	
125.	*	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.3	.1	1.0	1.0	1.0	.5	.7	.4	
130.	*	.0	.0	.0	.0	.0	.0	.0	.2	.3	.7	.3	.1	1.0	1.1	1.1	.5	.6	.4	
135.	*	.0	.0	.0	.0	.0	.0	.0	.2	.3	.6	.3	.1	1.0	1.1	1.0	.5	.6	.4	
140.	*	.1	.1	.0	.0	.0	.0	.0	.2	.3	.6	.2	.1	1.0	1.0	1.2	.4	.5	.4	
145.	*	.2	.1	.1	.0	.0	.0	.0	.2	.4	.6	.2	.2	1.2	1.1	1.2	.4	.5	.4	
150.	*	.3	.2	.3	.0	.0	.0	.0	.2	.4	.6	.2	.2	1.2	1.1	1.1	.3	.5	.4	
155.	*	.4	.5	.4	.1	.0	.0	.0	.2	.4	.6	.3	.3	1.2	1.1	1.0	.4	.5	.4	
160.	*	.3	.5	.4	.1	.0	.0	.0	.2	.5	.6	.4	.3	1.2	1.0	.7	.3	.5	.4	
165.	*	.3	.6	.6	.3	.0	.0	.0	.2	.5	.6	.3	.3	1.1	.8	.6	.3	.5	.4	
170.	*	.3	.6	.7	.3	.0	.0	.0	.2	.5	.6	.4	.4	.8	.5	.5	.3	.4	.4	
175.	*	.3	.7	.8	.5	.0	.0	.0	.2	.6	.6	.4	.6	.4	.3	.6	.4	.4	.4	
180.	*	.4	.7	.9	.6	.1	.0	.0	.2	.6	.7	.4	.5	.4	.4	.2	.3	.4	.4	
185.	*	.4	.7	.9	.6	.1	.0	.0	.2	.6	.7	.4	.4	.6	.6	.3	.2	.4	.4	
190.	*	.4	.7	1.0	.6	.1	.0	.0	.2	.6	.7	.4	.6	.7	.6	.2	.2	.4	.4	
195.	*	.3	.7	.9	.8	.1	.0	.0	.2	.7	.7	.4	.6	.7	.6	.1	.1	.4	.4	
200.	*	.4	.7	.9	.7	.1	.1	.0	.2	.7	.8	.3	.6	.7	.6	.0	.1	.4	.4	
205.	*	.4	.7	.9	.7	.1	.1	.0	.2	.7	.8	.3	.8	.8	.6	.0	.1	.5	.4	

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JOB: PurpleLine S9NB15PM

RUN: PurpleLine S9NB15PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.3	.7	.8	.6	.2	.1	.0	.3	.7	.8	.3	.8	.8	.6	.0	.0	.1	.5	.4
215.	*	.3	.7	.8	.6	.2	.1	.0	.3	.7	.9	.4	.8	.7	.6	.0	.0	.1	.4	.3
220.	*	.3	.7	.8	.6	.2	.1	.1	.3	.7	.9	.4	.8	.6	.6	.0	.0	.1	.3	.3
225.	*	.3	.7	.8	.6	.2	.1	.1	.3	.8	1.0	.5	.7	.5	.5	.0	.0	.3	.5	.3
230.	*	.3	.7	.9	.6	.3	.1	.1	.4	.8	1.0	.6	.6	.5	.5	.0	.0	.3	.4	.4
235.	*	.4	.7	.8	.5	.3	.1	.1	.4	.8	.8	.6	.6	.5	.5	.0	.0	.2	.4	.3
240.	*	.4	.7	.8	.5	.3	.1	.1	.4	.8	.8	.5	.6	.5	.5	.0	.0	.2	.4	.2
245.	*	.4	.8	.8	.5	.3	.2	.1	.4	.8	.7	.6	.6	.5	.5	.0	.0	.1	.3	.2
250.	*	.5	.8	.8	.5	.3	.2	.1	.4	.8	.6	.6	.6	.5	.5	.0	.0	.1	.1	.1
255.	*	.5	.8	.8	.4	.4	.1	.2	.4	.7	.6	.4	.6	.6	.5	.0	.0	.0	.1	.1
260.	*	.5	.8	.8	.5	.5	.3	.2	.3	.5	.6	.4	.6	.7	.5	.0	.0	.0	.1	.1
265.	*	.6	.8	.8	.5	.4	.2	.1	.3	.4	.4	.5	.6	.6	.5	.0	.0	.0	.1	.1
270.	*	.6	.8	.9	.5	.3	.1	.2	.3	.4	.5	.6	.6	.5	.5	.0	.0	.0	.0	.0

275.	*	.6	.7	.9	.4	.1	.2	.2	.3	.4	.5	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0
280.	*	.6	.9	.9	.4	.1	.2	.3	.2	.3	.4	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0
285.	*	.7	1.0	.9	.3	.2	.2	.4	.2	.3	.3	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0
290.	*	.7	.9	.9	.3	.4	.4	.5	.1	.2	.3	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0
295.	*	.7	1.0	.9	.4	.5	.5	.4	.1	.2	.3	.6	.5	.6	.4	.0	.0	.0	.0	.0	.0
300.	*	.8	1.0	.9	.5	.6	.5	.3	.1	.1	.3	.6	.5	.6	.4	.0	.0	.0	.0	.0	.0
305.	*	1.0	.9	.8	.5	.6	.5	.3	.1	.1	.2	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0
310.	*	1.0	.9	.8	.5	.5	.4	.3	.0	.1	.2	.6	.7	.5	.6	.0	.0	.0	.0	.0	.0
315.	*	.9	.9	.9	.5	.5	.4	.2	.0	.1	.2	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0
320.	*	.9	1.0	.8	.4	.5	.4	.1	.0	.0	.1	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
325.	*	1.0	.9	.9	.5	.5	.3	.1	.0	.0	.1	.5	.7	.6	.4	.1	.0	.0	.0	.0	.0
330.	*	.7	.7	.7	.5	.4	.3	.1	.0	.0	.1	.4	.6	.6	.4	.1	.0	.2	.0	.0	.0
335.	*	.5	.7	.7	.3	.3	.3	.1	.0	.0	.1	.4	.6	.6	.4	.1	.1	.2	.0	.0	.0
340.	*	.5	.6	.4	.4	.3	.2	.1	.0	.0	.0	.3	.7	.4	.4	.3	.3	.3	.1	.0	.0
345.	*	.3	.3	.5	.4	.3	.2	.1	.0	.0	.0	.4	.6	.4	.4	.4	.4	.3	.1	.0	.0
350.	*	.1	.3	.3	.3	.3	.2	.1	.0	.0	.0	.2	.5	.4	.4	.5	.6	.7	.3	.0	.0
355.	*	.1	.2	.2	.3	.3	.2	.1	.0	.0	.0	.1	.3	.4	.4	.7	.8	.9	.3	.0	.0
360.	*	.1	.1	.1	.3	.3	.2	.1	.0	.0	.0	.0	.2	.3	.3	.9	1.0	1.0	.6	.0	.0
MAX		1.0	1.0	1.0	.8	.6	.5	.5	.4	.8	1.0	.6	.8	.8	.6	1.3	1.1	1.2	.9	.7	.6
DEGR.	*	305	285	190	195	300	295	290	230	225	225	230	205	205	185	155	15	15	15	105	100

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JOB: PurpleLine S9NB15PM

RUN: PurpleLine S9NB15PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.5	.5	.7	.7	.6	.9	.7
5.	.0	.5	.5	.7	.7	.6	.6	.8
10.	.0	.5	.6	.8	.5	.5	.7	.7
15.	.0	.5	.7	.8	.5	.7	.8	.7
20.	.0	.7	.7	1.0	.5	.7	.8	.6
25.	.1	.7	.7	1.0	.4	.7	.8	.6
30.	.1	.7	.8	1.0	.3	.6	.7	.6
35.	.1	.7	.8	1.0	.4	.7	.7	.7
40.	.1	.7	.8	1.0	.4	.7	.6	.5
45.	.1	.8	.9	.9	.5	.7	.7	.5
50.	.1	.8	.8	.7	.4	.7	.7	.5
55.	.2	.7	.7	.5	.4	.7	.6	.5
60.	.2	.6	.6	.6	.4	.6	.6	.5
65.	.1	.5	.4	.5	.4	.6	.6	.5
70.	.2	.4	.3	.5	.6	.6	.6	.5
75.	.2	.3	.4	.4	.6	.6	.6	.5
80.	.3	.2	.4	.5	.5	.6	.6	.5
85.	.4	.3	.4	.4	.4	.6	.6	.5
90.	.5	.1	.2	.3	.5	.6	.7	.4
95.	.5	.1	.1	.3	.6	.6	.6	.4
100.	.5	.1	.1	.3	.6	.6	.6	.4
105.	.5	.1	.1	.3	.6	.6	.7	.4
110.	.5	.0	.1	.2	.6	.6	.7	.3
115.	.4	.0	.1	.2	.6	.6	.6	.5
120.	.4	.0	.0	.1	.6	.7	.6	.5
125.	.4	.0	.0	.1	.6	.8	.5	.5
130.	.4	.0	.0	.1	.6	.7	.5	.4
135.	.4	.0	.0	.0	.7	.7	.6	.4
140.	.4	.0	.0	.0	.4	.6	.4	.4
145.	.4	.0	.0	.0	.3	.4	.4	.3
150.	.4	.0	.0	.0	.3	.4	.4	.3
155.	.4	.0	.0	.0	.2	.2	.3	.3
160.	.4	.0	.0	.0	.0	.2	.2	.2
165.	.3	.0	.0	.0	.0	.2	.1	.1
170.	.3	.0	.0	.0	.0	.2	.1	.1
175.	.3	.0	.0	.0	.0	.1	.1	.0
180.	.3	.0	.0	.0	.0	.0	.1	.0
185.	.3	.0	.0	.0	.0	.0	.0	.0
190.	.3	.0	.0	.0	.0	.0	.0	.0
195.	.2	.0	.0	.0	.0	.0	.0	.0
200.	.2	.0	.0	.0	.0	.0	.0	.0
205.	.2	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9NB15PM

RUN: PurpleLine S9NB15PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.2	.0	.0	.0	.0	.0	.0	.0
215.	.2	.0	.0	.0	.0	.0	.0	.0
220.	.2	.0	.0	.0	.0	.0	.0	.0

225.	*	.2	.0	.0	.0	.0	.0	.0	.0
230.	*	.2	.0	.0	.0	.0	.0	.0	.0
235.	*	.2	.0	.1	.2	.0	.0	.0	.0
240.	*	.2	.1	.2	.2	.0	.0	.0	.0
245.	*	.1	.1	.2	.3	.1	.0	.0	.0
250.	*	.1	.1	.3	.3	.2	.0	.0	.0
255.	*	.1	.1	.3	.5	.3	.0	.0	.0
260.	*	.1	.3	.6	.7	.3	.0	.0	.0
265.	*	.1	.3	.6	.7	.4	.0	.0	.0
270.	*	.0	.4	.7	.7	.5	.1	.0	.0
275.	*	.0	.4	.7	.7	.5	.1	.0	.0
280.	*	.0	.4	.7	.7	.5	.1	.0	.0
285.	*	.0	.4	.6	.6	.6	.1	.0	.0
290.	*	.0	.5	.6	.6	.6	.1	.1	.0
295.	*	.0	.5	.6	.6	.6	.1	.1	.0
300.	*	.0	.5	.6	.6	.6	.1	.1	.0
305.	*	.0	.5	.6	.6	.5	.1	.1	.1
310.	*	.0	.5	.5	.5	.4	.1	.1	.1
315.	*	.0	.5	.5	.5	.4	.1	.1	.2
320.	*	.0	.5	.5	.5	.4	.2	.2	.2
325.	*	.0	.5	.5	.6	.4	.2	.2	.2
330.	*	.0	.5	.5	.6	.4	.2	.2	.2
335.	*	.0	.5	.5	.6	.4	.4	.4	.4
340.	*	.0	.5	.5	.6	.5	.4	.4	.4
345.	*	.0	.5	.5	.6	.5	.5	.5	.7
350.	*	.0	.5	.5	.6	.5	.6	.5	.7
355.	*	.0	.5	.5	.7	.6	.6	.9	.8
360.	*	.0	.5	.5	.7	.7	.6	.9	.7
-----									
MAX	*	.5	.8	.9	1.0	.7	.8	.9	.8
DEGR.	*	90	45	45	20	0	125	0	5

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 155 DEGREES FROM REC15.  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 15 DEGREES FROM REC17.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 15 DEGREES FROM REC16.

PurpleLine	S9	BRTLOW2015AM			60.0321.0.0000.000280.30480000			1	1
SE MID S		1247.		667.	5.0				
SE 164 S		1210.		742.	5.0				
SE 82 S		1179.		818.	5.0				
SE CNR		1162.		921.	5.0				
SE 82 E		1254.		939.	5.0				
SE 164 E		1335.		942.	5.0				
SE MID E		1417.		946.	5.0				
NE MID E		1398.		1028.	5.0				
NE 164 E		1316.		1025.	5.0				
NE 82 E		1235.		1022.	5.0				
NE CNR		1120.		1053.	5.0				
NE 82 N		1079.		1172.	5.0				
NE 164 N		1064.		1255.	5.0				
NE MID N		1060.		1337.	5.0				
NW MID N		953.		1280.	5.0				
NW 164 N		963.		1200.	5.0				
NW 82 N		977.		1118.	5.0				
NW CNR		974.		1010.	5.0				
NW 82 W		881.		950.	5.0				
NW 164 W		804.		923.	5.0				
NW MID W		727.		896.	5.0				
SW MID W		764.		819.	5.0				
SW 164 W		841.		847.	5.0				
SW 82 W		918.		874.	5.0				
SW CNR		1011.		888.	5.0				
SW 82 S		1063.		810.	5.0				
SW 164 S		1093.		734.	5.0				
SW MID S		1128.		660.	5.0				
PurpleLine	S9	BRTLOW2015AM		56	1	0			
0	1	193nbAP	AG	1607.	19.	1539.	154.	700 3.1	0 56 30.
0	1	193nbAP	AG	1539.	154.	1356.	431.	700 3.1	0 56 30.
0	1	193nbTR	AG	1355.	431.	1246.	605.	510 3.1	0 56 30.
0	1	193nbTR	AG	1246.	605.	1179.	734.	510 3.1	0 56 30.
0	2	193nbTR	AG	1179.	734.	1085.	969.	510 3.1	0 56 30.
0	1	193nbTRq	AG	1111.	905.	1175.	745.	0. 36 3	
0	1	193nbL	AG	1220.	602.	1151.	735.	190 3.1	0 32 30.
0	2	193nbL	AG	1151.	735.	1065.	963.	190 3.1	0 32 30.
0	1	193nbLq	AG	1089.	898.	1149.	740.	0. 12 1	
0	1	193nbD	AG	1085.	969.	1036.	1255.	550 3.1	0 56 30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	550 3.1	0 56 30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	550 3.1	0 56 30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	1340 3.1	0 56 30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	1340 3.1	0 56 30.
0	2	193sbTR	AG	983.	1246.	1032.	974.	1315 3.1	0 56 30.
0	1	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3	
0	1	193sbL	AG	1003.	1238.	1054.	980.	25 3.1	0 56 30.
0	1	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1	
0	1	193sbD	AG	1035.	975.	1110.	760.	1170 3.1	0 56 30.
0	1	193sbD	AG	1110.	760.	1201.	578.	1170 3.1	0 56 30.
0	1	193sbD	AG	1201.	578.	1348.	352.	1170 3.1	0 56 30.
0	1	193sbD	AG	1348.	352.	1467.	172.	1170 3.1	0 56 30.
0	1	193sbD	AG	1467.	172.	1551.	20.	1170 3.1	0 56 30.
0	1	320ebAP	AG	14.	596.	316.	687.	1765 3.0	0 44 30.
0	1	320ebAP	AG	316.	687.				

0		320ebD	AG	1055.	945.	1146.	959.	1640	3.0	0	44	30.
1												
0		320ebD	AG	1146.	959.	2056.	1001.	1640	3.0	0	44	30.
1												
0		320ebD	AG	2056.	1001.	2211.	1019.	1640	3.0	0	44	30.
1												
0		320wbA	AG	2213.	1053.	2060.	1035.	1920	3.1	0	44	30.
1												
0		320wbA	AG	2060.	1035.	1283.	1002.	1920	3.1	0	44	30.
1												
0		320wbTR	AG	1283.	1003.	1068.	995.	1715	3.1	0	44	30.
2												
0		230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
120		74		2.0	1715	33.4	1692	1	3			
1												
0		320wbL	AG	1278.	988.	1070.	982.	205	3.1	0	32	30.
2												
0		230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
120		102		2.0	205	33.4	1770	1	3			
1												
0		320wbD	AG	1068.	994.	344.	735.	2365	3.1	0	44	30.
1												
0		320wbD	AG	344.	735.	15.	633.	2365	3.1	0	44	30.
1												
0		BRTEB	AG	14.	589.	322.	682.	34	1.4	0	32	30.
1												
0		BRTEB	AG	322.	682.	1007.	923.	34	1.4	0	32	30.
2												
0		BRTEBQ	AG	1005.	922.	597.	779.	0.	12	1		
120		53		2.0	34	7.2	1611	1	3			
1												
0		BRTSB	AG	998.	915.	1052.	888.	34	1.3	0	32	30.
1												
0		BRTSB	AG	1052.	888.	1098.	763.	34	1.3	0	32	30.
1												
0		BRTSB	AG	1098.	763.	1175.	600.	34	1.3	0	32	30.
1												
0		BRTSB	AG	1175.	600.	1467.	155.	34	1.3	0	32	30.
1												
0		BRTSB	AG	1467.	155.	1541.	19.	34	1.3	0	32	30.
1												
0		BRTNB	AG	1618.	19.	1546.	163.	34	1.3	0	32	30.
1												
0		BRTNB	AG	1546.	163.	1263.	594.	34	1.3	0	32	30.
1												
0		BRTNB	AG	1263.	594.	1188.	741.	34	1.3	0	32	30.
1												
0		BRTNB	AG	1188.	741.	1099.	979.	34	1.3	0	32	30.
2												
0		BRTNBQ	AG	1125.	910.	1181.	758.	0.	12	1		
120		102		2.0	34	7.2	1770	1	3			
1												
0		BRTWB	AG	1098.	978.	937.	954.	34	1.6	0	32	30.
1												
0		BRTWB	AG	937.	954.	339.	740.	34	1.6	0	32	30.
1												
0		BRTWB	AG	339.	740.	12.	641.	34	1.6	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 BRTLOW2015AM  
 DATE: 12/17/2007 TIME: 15:31:12.07

RUN: PurpleLine S9 BRTLOW2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	700.	3.1	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	700.	3.1	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	510.	3.1	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	510.	3.1	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	510.	3.1	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1135.7	843.3	*	66.	158. AG	141.	100.0	.0	36.0	.26 3.4
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	190.	3.1	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	190.	3.1	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1112.2	836.8	*	65.	159. AG	47.	100.0	.0	12.0	.24 3.3
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	550.	3.1	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	550.	3.1	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	550.	3.1	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	1340.	3.1	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	1340.	3.1	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1315.	3.1	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	993.9	1183.8	*	160.	350. AG	150.	100.0	.0	36.0	.64 8.2
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	25.	3.1	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	1042.2	1041.1	*	9.	349. AG	51.	100.0	.0	12.0	.04 .5
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	1170.	3.1	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	1170.	3.1	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	1170.	3.1	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	1170.	3.1	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	1170.	3.1	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	1765.	3.0	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	1765.	3.0	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	1550.	3.0	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	-1201.3	153.0	*	2339.	251. AG	110.	100.0	.0	24.0	1.32 118.8
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	215.	3.0	.0	32.0	
29. 0	230ebLq	999.0	946.0	733.6	852.4	*	281.	251. AG	76.	100.0	.0	12.0	1.04 14.3
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	1640.	3.0	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1640.	3.0	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1640.	3.0	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	1920.	3.1	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	1920.	3.1	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1715.	3.1	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	4252.8	1120.3	*	3126.	88. AG	110.	100.0	.0	24.0	1.45 158.8
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	205.	3.1	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1313.7	989.2	*	182.	88. AG	76.	100.0	.0	12.0	1.00 9.2
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	2365.	3.1	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	2365.	3.1	.0	44.0	
41. 0	BRTTB	14.0	589.0	322.0	682.0	*	322.	73. AG	34.	1.4	.0	32.0	
42. 0	BRTTB	322.0	682.0	1007.0	923.0	*	726.	71. AG	34.	1.4	.0	32.0	
43. 0	BRTTBQ	1005.0	922.0	995.7	918.7	*	10.	251. AG	9.	100.0	.0	12.0	.04 .5
44. 0	BRTSB	998.0	915.0	1052.0	888.0	*	60.	117. AG	34.	1.3	.0	32.0	

JOB: PurpleLine S9 BRTLOW2015AM  
 DATE: 12/17/2007 TIME: 15:31:12.07

RUN: PurpleLine S9 BRTLOW2015AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTSB	1052.0	888.0	1098.0	763.0	*	133.	160. AG	34.	1.3	.0	32.0	
46. 0	BRTSB	1098.0	763.0	1175.0	600.0	*	180.	155. AG	34.	1.3	.0	32.0	
47. 0	BRTSB	1175.0	600.0	1467.0	155.0	*	532.	147. AG	34.	1.3	.0	32.0	
48. 0	BRTSB	1467.0	155.0	1541.0	19.0	*	155.	151. AG	34.	1.3	.0	32.0	
49. 0	BRTNB	1618.0	19.0	1546.0	163.0	*	161.	333. AG	34.	1.3	.0	32.0	
50. 0	BRTNB	1546.0	163.0	1263.0	594.0	*	516.	327. AG	34.	1.3	.0	32.0	
51. 0	BRTNB	1263.0	594.0	1188.0	741.0	*	165.	333. AG	34.	1.3	.0	32.0	
52. 0	BRTNB	1188.0	741.0	1099.0	979.0	*	254.	339. AG	34.	1.3	.0	32.0	
53. 0	BRTNBQ	1125.0	910.0	1131.6	892.2	*	19.	160. AG	16.	100.0	.0	12.0	.17 1.0
54. 0	BRTWB	1098.0	978.0	937.0	954.0	*	163.	262. AG	34.	1.6	.0	32.0	
55. 0	BRTWB	937.0	954.0	339.0	740.0	*	635.	250. AG	34.	1.6	.0	32.0	
56. 0	BRTWB	339.0	740.0	12.0	641.0	*	342.	253. AG	34.	1.6	.0	32.0	

JOB: PurpleLine S9 BRTLOW2015AM  
 DATE: 12/17/2007 TIME: 15:31:12.07

RUN: PurpleLine S9 BRTLOW2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	63	2.0	580	1669	33.40	1	3
9. 0	193nbLq	120	63	2.0	190	1770	33.40	1	3

16. 0	193sbTRq	*	120	67	2.0	1315	1673	33.40	1	3
18. 0	193sbLq	*	120	68	2.0	25	1770	33.40	1	3
27. 0	230ebTRq	*	120	74	2.0	1550	1674	33.40	1	3
29. 0	230ebLq	*	120	102	2.0	215	1770	33.40	1	3
36. 0	230wbTRq	*	120	74	2.0	1715	1692	33.40	1	3
38. 0	230wbLq	*	120	102	2.0	205	1770	33.40	1	3
43. 0	BRTEBQ	*	120	53	2.0	34	1611	7.20	1	3
53. 0	BRTNBQ	*	120	102	2.0	34	1770	7.20	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

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JOB: PurpleLine S9 BRTLOW2015AM

RUN: PurpleLine S9 BRTLOW2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (PPM)	(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
5.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.4	.3	.0	.0
10.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.4	.0	.0
15.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.0	.0
20.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.2	.6	.4	.1	.0
25.	*	.1	.1	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
30.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
35.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1
40.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.1	.1
45.	*	.1	.1	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
50.	*	.1	.1	.3	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
55.	*	.1	.1	.3	.7	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
60.	*	.1	.1	.3	.6	.5	.5	.5	.1	.1	.0	.0	.0	.0	.0	.1	.1	.5	.3	.3	.3
65.	*	.1	.1	.3	.6	.5	.5	.5	.2	.2	.1	.0	.0	.0	.0	.1	.1	.5	.3	.3	.3
70.	*	.1	.1	.3	.5	.6	.6	.6	.2	.2	.2	.0	.0	.0	.0	.1	.1	.5	.4	.4	.4
75.	*	.1	.1	.1	.5	.6	.6	.6	.4	.4	.4	.1	.0	.0	.0	.1	.1	.5	.3	.4	.5
80.	*	.1	.1	.1	.5	.6	.5	.5	.5	.5	.5	.1	.0	.0	.0	.1	.1	.5	.5	.4	.8
85.	*	.0	.1	.1	.4	.5	.5	.5	.8	.8	.8	.3	.1	.0	.0	.1	.1	.6	.8	.8	.8
90.	*	.0	.0	.1	.3	.5	.5	.5	.9	.9	.9	.4	.1	.1	.0	.1	.2	.6	.7	.9	.8
95.	*	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	.4	.1	.1	.1	.2	.3	.6	.7	.7	.8
100.	*	.0	.0	.0	.0	.2	.2	.2	.9	.9	.9	.6	.1	.1	.1	.2	.3	.7	.6	.7	.7
105.	*	.0	.0	.0	.0	.1	.1	.1	.9	.9	1.0	.6	.2	.1	.1	.2	.3	.7	.5	.6	.7
110.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.6	.2	.1	.1	.2	.4	.7	.5	.6	.7
115.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.2	.1	.1	.2	.4	.8	.3	.7	.7
120.	*	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.5	.1	.1	.1	.2	.5	.8	.3	.7	.7
125.	*	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.5	.1	.1	.1	.2	.5	.8	.5	.7	.7
130.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.6	.9	.4	.7	.7
135.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.7	.7	.4	.6	.6
140.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.6	.7	.5	.6	.6
145.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.6	.6	.4	.6	.6
150.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.1	.1	.1	.3	.6	.7	.4	.6	.6
155.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.4	.1	.1	.0	.4	.6	.7	.5	.7	.7
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.3	.1	.0	.0	.4	.6	.5	.4	.7	.7
165.	*	.0	.1	.0	.0	.0	.0	.0	.6	.6	.7	.3	.0	.0	.0	.4	.5	.4	.5	.7	.7
170.	*	.1	.1	.0	.0	.0	.0	.0	.6	.6	.7	.3	.1	.1	.0	.3	.5	.4	.5	.6	.6

175.	*	.1	.1	.0	.0	.0	.0	.6	.6	.7	.4	.1	.1	.1	.2	.4	.4	.5	.6	.6
180.	*	.1	.1	.0	.1	.0	.0	.6	.7	.7	.4	.1	.2	.1	.2	.3	.4	.5	.6	.6
185.	*	.1	.1	.1	.1	.0	.0	.6	.7	.7	.3	.1	.2	.1	.1	.4	.2	.5	.6	.6
190.	*	.1	.1	.1	.1	.0	.0	.6	.7	.7	.3	.2	.3	.2	.1	.2	.2	.5	.7	.6
195.	*	.0	.2	.2	.1	.0	.0	.6	.7	.7	.2	.4	.4	.2	.1	.2	.2	.5	.7	.7
200.	*	.0	.2	.2	.2	.0	.0	.6	.7	.7	.3	.4	.6	.3	.1	.2	.2	.5	.7	.7
205.	*	.0	.2	.2	.2	.0	.0	.6	.7	.7	.1	.6	.6	.4	.2	.2	.2	.6	.7	.7

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JOB: PurpleLine S9 BRTLOW2015AM

RUN: PurpleLine S9 BRTLOW2015AM

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WIND	ANGLE	CONCENTRATION																			
	(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.1	.1	.2	.0	.0	.0	.7	.8	.8	.2	.6	.6	.3	.1	.2	.2	.6	.7	.7
215.	*	.0	.1	.0	.2	.0	.0	.0	.7	.8	.9	.3	.6	.6	.2	.1	.2	.2	.6	.7	.7
220.	*	.1	.1	.0	.4	.0	.0	.0	.7	.9	.9	.4	.6	.5	.2	.1	.2	.2	.6	.7	.7
225.	*	.1	.1	.0	.4	.0	.0	.0	.7	.9	.9	.4	.6	.5	.3	.1	.2	.2	.6	.8	.8
230.	*	.1	.1	.0	.3	.1	.0	.0	.7	.9	.8	.5	.6	.4	.3	.1	.1	.2	.6	.8	.8
235.	*	.1	.1	.0	.3	.1	.0	.0	.8	.9	.9	.6	.6	.3	.3	.1	.1	.2	.6	.8	.7
240.	*	.2	.1	.0	.4	.2	.0	.0	1.0	.9	.9	.6	.6	.2	.3	.1	.1	.2	.6	.8	.7
245.	*	.2	.1	.2	.4	.2	.1	.1	1.1	1.0	1.1	.8	.5	.2	.1	.0	.1	.1	.4	.8	.6
250.	*	.1	.1	.3	.7	.2	.1	.2	1.3	1.1	1.2	.5	.5	.1	.1	.0	.0	.1	.2	.6	.5
255.	*	.1	.2	.2	.6	.4	.3	.2	1.1	1.1	.9	.4	.4	.0	.2	.0	.0	.0	.2	.4	.4
260.	*	.2	.2	.2	.6	.5	.3	.3	1.1	.9	.8	.4	.4	.0	.2	.0	.0	.0	.2	.3	.3
265.	*	.2	.2	.2	.7	.4	.3	.3	.9	.8	.6	.2	.4	.0	.2	.0	.0	.0	.0	.2	.2
270.	*	.2	.1	.3	.6	.3	.4	.5	.7	.5	.6	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
275.	*	.2	.1	.3	.5	.3	.7	.4	.4	.5	.4	.3	.3	.1	.2	.0	.0	.0	.0	.1	.1
280.	*	.3	.1	.4	.4	.3	.5	.5	.2	.4	.3	.3	.3	.1	.2	.0	.0	.0	.0	.1	.1
285.	*	.3	.2	.6	.2	.6	.5	.7	.2	.3	.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
290.	*	.3	.2	.5	.2	.6	.6	.7	.1	.1	.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
295.	*	.3	.2	.5	.2	.6	.7	.6	.0	.1	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0
300.	*	.2	.4	.6	.3	.6	.7	.5	.0	.0	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0
305.	*	.1	.4	.5	.3	.6	.6	.5	.0	.0	.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
310.	*	.1	.3	.5	.3	.7	.6	.5	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
315.	*	.0	.3	.4	.4	.7	.7	.5	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
320.	*	.0	.2	.4	.3	.6	.6	.5	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
325.	*	.0	.2	.4	.3	.6	.6	.5	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
330.	*	.0	.2	.4	.4	.6	.6	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.0	.1	.2	.5	.6	.6	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
340.	*	.0	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.1	.0	.0	.0
345.	*	.0	.0	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.0	.0	.0
350.	*	.0	.0	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.0
355.	*	.0	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.0	.0
360.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
MAX	*	.3	.4	.6	.7	.7	.7	.7	1.3	1.1	1.2	.8	.6	.6	.4	.4	.7	.9	.8	.9	.8
DEGR.	*	280	300	285	55	25	275	285	250	250	245	205	200	205	155	135	130	85	90	80	

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JOB: PurpleLine S9 BRTLOW2015AM

RUN: PurpleLine S9 BRTLOW2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	ANGLE	CONCENTRATION							
	(DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.6	.7	.6	.5	.3	.2	.2
5.	*	.0	.6	.7	.8	.5	.1	.2	.1
10.	*	.0	.7	.7	.8	.5	.1	.2	.1
15.	*	.0	.7	.7	.8	.5	.2	.3	.1
20.	*	.0	.7	.8	.8	.4	.2	.4	.2
25.	*	.0	.9	1.0	1.0	.3	.3	.4	.2
30.	*	.0	.9	1.0	.9	.3	.3	.4	.2
35.	*	.0	.9	1.0	.9	.2	.4	.3	.2
40.	*	.0	1.0	1.0	.9	.4	.5	.3	.2
45.	*	.1	1.0	.9	.8	.5	.4	.2	.2
50.	*	.2	.8	.8	.7	.5	.5	.2	.2
55.	*	.2	.8	.8	.8	.4	.4	.2	.2
60.	*	.3	.8	.8	.7	.4	.4	.2	.2
65.	*	.2	.8	.8	.5	.5	.5	.2	.2
70.	*	.5	.8	.5	.6	.5	.5	.2	.2
75.	*	.6	.5	.5	.4	.6	.4	.2	.2
80.	*	.8	.3	.3	.4	.6	.2	.2	.2
85.	*	.8	.3	.3	.4	.4	.2	.2	.1
90.	*	.9	.2	.2	.3	.4	.2	.1	.1
95.	*	.9	.0	.0	.2	.3	.1	.1	.1
100.	*	.7	.0	.0	.0	.2	.1	.1	.1
105.	*	.7	.0	.0	.0	.2	.1	.1	.1
110.	*	.7	.0	.0	.0	.2	.1	.1	.1
115.	*	.7	.0	.0	.0	.2	.1	.1	.1
120.	*	.7	.0	.0	.0	.2	.1	.2	.1
125.	*	.7	.0	.0	.0	.1	.1	.2	.1
130.	*	.6	.0	.0	.0	.1	.2	.2	.1



135.	*	.6	.0	.0	.0	.1	.2	.2	.2
140.	*	.6	.0	.0	.0	.1	.2	.2	.2
145.	*	.6	.0	.0	.0	.1	.2	.1	.2
150.	*	.6	.0	.0	.0	.0	.2	.1	.2
155.	*	.7	.0	.0	.0	.0	.2	.1	.1
160.	*	.7	.0	.0	.0	.0	.2	.1	.1
165.	*	.7	.0	.0	.0	.0	.1	.1	.0
170.	*	.6	.0	.0	.0	.0	.0	.0	.0
175.	*	.5	.0	.0	.0	.0	.0	.0	.0
180.	*	.5	.0	.0	.0	.0	.0	.0	.0
185.	*	.5	.0	.0	.0	.0	.0	.0	.0
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.6	.0	.0	.0	.0	.0	.0	.0
200.	*	.6	.0	.0	.0	.0	.0	.0	.0
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 BRTLOW2015AM

RUN: PurpleLine S9 BRTLOW2015AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.6	.0	.0	.0	.0	.0	.0	.0
215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.7	.0	.0	.0	.0	.0	.0	.0
230.	*	.7	.1	.2	.2	.0	.0	.0	.0
235.	*	.7	.2	.2	.2	.1	.0	.0	.0
240.	*	.7	.3	.3	.3	.1	.0	.0	.0
245.	*	.6	.4	.4	.6	.3	.1	.0	.0
250.	*	.5	.7	.7	.7	.4	.1	.0	.0
255.	*	.4	.8	.8	.9	.5	.1	.1	.0
260.	*	.3	.8	.8	.9	.6	.1	.1	.1
265.	*	.1	.8	1.0	1.0	.6	.2	.1	.1
270.	*	.1	.9	1.0	1.0	.7	.2	.1	.1
275.	*	.1	.8	1.0	1.0	.7	.3	.1	.1
280.	*	.0	.8	.9	.9	.7	.3	.2	.1
285.	*	.0	.8	.9	.9	.6	.3	.2	.1
290.	*	.0	.8	.9	.9	.6	.4	.2	.1
295.	*	.0	.8	.9	.9	.6	.4	.2	.1
300.	*	.0	.8	.9	.9	.6	.4	.2	.1
305.	*	.0	.6	.7	.7	.5	.4	.2	.1
310.	*	.0	.6	.7	.7	.5	.4	.2	.1
315.	*	.0	.7	.7	.7	.5	.3	.2	.1
320.	*	.0	.6	.6	.6	.5	.3	.2	.1
325.	*	.0	.6	.7	.7	.5	.3	.2	.1
330.	*	.0	.7	.7	.7	.5	.4	.3	.1
335.	*	.0	.7	.7	.7	.5	.5	.1	.1
340.	*	.0	.7	.7	.7	.6	.3	.2	.2
345.	*	.0	.7	.7	.7	.6	.3	.2	.2
350.	*	.0	.7	.7	.7	.5	.3	.2	.2
355.	*	.0	.6	.7	.7	.5	.2	.2	.3
360.	*	.0	.6	.7	.6	.5	.3	.2	.2
MAX	*	.9	1.0	1.0	1.0	.7	.5	.4	.3
DEGR.	*	90	40	25	25	270	40	20	355

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 250 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC10 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .

PurpleLine S9 BRTLOW2015PM			60.0321.0.0000.000280.30480000	1	1
SE MID S	1247.	667.	5.0		
SE 164 S	1210.	742.	5.0		
SE 82 S	1179.	818.	5.0		
SE CNR	1162.	921.	5.0		
SE 82 E	1254.	939.	5.0		
SE 164 E	1335.	942.	5.0		
SE MID E	1417.	946.	5.0		
NE MID E	1398.	1028.	5.0		
NE 164 E	1316.	1025.	5.0		
NE 82 E	1235.	1022.	5.0		
NE CNR	1120.	1053.	5.0		
NE 82 N	1079.	1172.	5.0		
NE 164 N	1064.	1255.	5.0		
NE MID N	1060.	1337.	5.0		
NW MID N	953.	1280.	5.0		
NW 164 N	963.	1200.	5.0		
NW 82 N	977.	1118.	5.0		
NW CNR	974.	1010.	5.0		
NW 82 W	881.	950.	5.0		
NW 164 W	804.	923.	5.0		
NW MID W	727.	896.	5.0		
SW MID W	764.	819.	5.0		
SW 164 W	841.	847.	5.0		
SW 82 W	918.	874.	5.0		
SW CNR	1011.	888.	5.0		
SW 82 S	1063.	810.	5.0		
SW 164 S	1093.	734.	5.0		
SW MID S	1128.	660.	5.0		
PurpleLine S9 BRTLOW2015PM		56	1	0	
1					
0	193nbAP	AG	1607.	19.	1539. 154. 1400 3.1 0 56 30.
0	193nbAP	AG	1539.	154.	1356. 431. 1400 3.1 0 56 30.
0	193nbTR	AG	1355.	431.	1246. 605. 1090 3.1 0 56 30.
0	193nbTR	AG	1246.	605.	1179. 734. 1090 3.1 0 56 30.
0	193nbTR	AG	1179.	734.	1085. 969. 1090 3.1 0 56 30.
0	193nbTRq	AG	1111.	905.	1175. 745. 0. 36 3
120	76		2.0	1090	33.4 1713 1 3
0	193nbL	AG	1220.	602.	1151. 735. 310 3.1 0 32 30.
0	193nbL	AG	1151.	735.	1065. 963. 310 3.1 0 32 30.
0	193nbLq	AG	1089.	898.	1149. 740. 0. 12 1
120	70		2.0	310	33.4 1770 1 3
0	193nbD	AG	1085.	969.	1036. 1255. 1155 3.1 0 56 30.
0	193nbD	AG	1033.	1254.	1015. 1684. 1155 3.1 0 56 30.
0	193nbD	AG	1015.	1684.	1007. 1970. 1155 3.1 0 56 30.
0	193sbAP	AG	953.	1972.	973. 1408. 765 3.2 0 56 30.
0	193sbAP	AG	973.	1408.	986. 1249. 765 3.2 0 56 30.
0	193sbTR	AG	983.	1246.	1032. 974. 700 3.2 0 56 30.
0	193sbTRq	AG	1023.	1026.	983. 1243. 0. 36 3
120	88		2.0	700	33.4 1702 1 3
0	193sbL	AG	1003.	1238.	1054. 980. 65 3.2 0 56 30.
0	193sbLq	AG	1044.	1032.	1005. 1229. 0. 12 1
120	85		2.0	65	33.4 1770 1 3
0	193sbD	AG	1035.	975.	1110. 760. 1005 3.2 0 56 30.
0	193sbD	AG	1110.	760.	1201. 578. 1005 3.2 0 56 30.
0	193sbD	AG	1201.	578.	1348. 352. 1005 3.2 0 56 30.
0	193sbD	AG	1348.	352.	1467. 172. 1005 3.2 0 56 30.
0	193sbD	AG	1467.	172.	1551. 20. 1005 3.2 0 56 30.
0	320ebAP	AG	14.	596.	316. 687. 2320 3.0 0 44 30.
0	320ebAP	AG	316.	687.	578. 780. 2320 3.0 0 44 30.
0	320ebTR	AG	580.	779.	1055. 945. 2075 3.0 0 44 30.
0	230ebTRq	AG	1006.	928.	593. 783. 0. 24 2
120	66		2.0	2075	33.4 1669 1 3
0	320ebL	AG	576.	797.	1048. 963. 245 3.0 0 32 30.
0	230ebLq	AG	999.	946.	585. 800. 0. 12 1
120	98		2.0	245	33.4 1770 1 3
1					

0		320ebD	AG	1055.	945.	1146.	959.	2160	3.0	0	44	30.
1												
0		320ebD	AG	1146.	959.	2056.	1001.	2160	3.0	0	44	30.
1												
0		320ebD	AG	2056.	1001.	2211.	1019.	2160	3.0	0	44	30.
1												
0		320wbA	AG	2213.	1053.	2060.	1035.	2215	3.1	0	44	30.
1												
0		320wbA	AG	2060.	1035.	1283.	1002.	2215	3.1	0	44	30.
1												
0		320wbTR	AG	1283.	1003.	1068.	995.	1945	3.1	0	44	30.
2												
0		230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
120		65		2.0	1945	33.4	1688	1	3			
1												
0		320wbL	AG	1278.	988.	1070.	982.	270	3.1	0	32	30.
2												
0		230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
120		97		2.0	270	33.4	1770	1	3			
1												
0		320wbD	AG	1068.	994.	344.	735.	2380	3.1	0	44	30.
1												
0		320wbD	AG	344.	735.	15.	633.	2380	3.1	0	44	30.
1												
0		BRTEB	AG	14.	589.	322.	682.	34	1.4	0	32	30.
1												
0		BRTEB	AG	322.	682.	1007.	923.	34	1.4	0	32	30.
2												
0		BRTEBQ	AG	1005.	922.	597.	779.	0.	12	1		
120		60		2.0	34	7.2	1611	1	3			
1												
0		BRTSB	AG	998.	915.	1052.	888.	34	1.2	0	32	30.
1												
0		BRTSB	AG	1052.	888.	1098.	763.	34	1.2	0	32	30.
1												
0		BRTSB	AG	1098.	763.	1175.	600.	34	1.2	0	32	30.
1												
0		BRTSB	AG	1175.	600.	1467.	155.	34	1.2	0	32	30.
1												
0		BRTSB	AG	1467.	155.	1541.	19.	34	1.2	0	32	30.
1												
0		BRTNB	AG	1618.	19.	1546.	163.	34	1.3	0	32	30.
1												
0		BRTNB	AG	1546.	163.	1263.	594.	34	1.3	0	32	30.
1												
0		BRTNB	AG	1263.	594.	1188.	741.	34	1.3	0	32	30.
1												
0		BRTNB	AG	1188.	741.	1099.	979.	34	1.3	0	32	30.
2												
0		BRTNBQ	AG	1125.	910.	1181.	758.	0.	12	1		
120		101		2.0	34	7.2	1770	1	3			
1												
0		BRTWB	AG	1098.	978.	937.	954.	34	1.5	0	32	30.
1												
0		BRTWB	AG	937.	954.	339.	740.	34	1.5	0	32	30.
1												
0		BRTWB	AG	339.	740.	12.	641.	34	1.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 BRTLOW2015PM  
DATE: 12/17/2007 TIME: 15:49:33.77

RUN: PurpleLine S9 BRTLOW2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	1400.	3.1	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	1400.	3.1	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	1090.	3.1	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	1090.	3.1	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	1090.	3.1	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1167.0	764.9	*	151.	158. AG	170.	100.0	.0	36.0	.64 7.7
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	310.	3.1	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	310.	3.1	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1131.1	787.1	*	119.	159. AG	52.	100.0	.0	12.0	.46 6.0
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	1155.	3.1	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	1155.	3.1	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	1155.	3.1	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	765.	3.2	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	765.	3.2	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	700.	3.2	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	1002.7	1136.3	*	112.	350. AG	197.	100.0	.0	36.0	.59 5.7
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	65.	3.2	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	1038.1	1061.6	*	30.	349. AG	63.	100.0	.0	12.0	.14 1.5
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	1005.	3.2	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	1005.	3.2	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	1005.	3.2	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	1005.	3.2	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	1005.	3.2	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	2320.	3.0	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	2320.	3.0	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	2075.	3.0	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	-2703.6	-374.4	*	3932.	251. AG	99.	100.0	.0	24.0	1.49 199.7
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	245.	3.0	.0	32.0	
29. 0	230ebLq	999.0	946.0	835.0	888.2	*	174.	251. AG	73.	100.0	.0	12.0	.92 8.8
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	2160.	3.0	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	2160.	3.0	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	2160.	3.0	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2215.	3.1	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2215.	3.1	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1945.	3.1	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	4158.4	1116.6	*	3032.	88. AG	97.	100.0	.0	24.0	1.36 154.0
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	270.	3.1	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1336.0	989.8	*	204.	88. AG	72.	100.0	.0	12.0	.96 10.4
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	2380.	3.1	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	2380.	3.1	.0	44.0	
41. 0	BRTTB	14.0	589.0	322.0	682.0	*	322.	73. AG	34.	1.4	.0	32.0	
42. 0	BRTTB	322.0	682.0	1007.0	923.0	*	726.	71. AG	34.	1.4	.0	32.0	
43. 0	BRTTBQ	1005.0	922.0	994.5	918.3	*	11.	251. AG	10.	100.0	.0	12.0	.05 .6
44. 0	BRTSB	998.0	915.0	1052.0	888.0	*	60.	117. AG	34.	1.2	.0	32.0	

JOB: PurpleLine S9 BRTLOW2015PM  
DATE: 12/17/2007 TIME: 15:49:33.77

RUN: PurpleLine S9 BRTLOW2015PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTSB	1052.0	888.0	1098.0	763.0	*	133.	160. AG	34.	1.2	.0	32.0	
46. 0	BRTSB	1098.0	763.0	1175.0	600.0	*	180.	155. AG	34.	1.2	.0	32.0	
47. 0	BRTSB	1175.0	600.0	1467.0	155.0	*	532.	147. AG	34.	1.2	.0	32.0	
48. 0	BRTSB	1467.0	155.0	1541.0	19.0	*	155.	151. AG	34.	1.2	.0	32.0	
49. 0	BRTNB	1618.0	19.0	1546.0	163.0	*	161.	333. AG	34.	1.3	.0	32.0	
50. 0	BRTNB	1546.0	163.0	1263.0	594.0	*	516.	327. AG	34.	1.3	.0	32.0	
51. 0	BRTNB	1263.0	594.0	1188.0	741.0	*	165.	333. AG	34.	1.3	.0	32.0	
52. 0	BRTNB	1188.0	741.0	1099.0	979.0	*	254.	339. AG	34.	1.3	.0	32.0	
53. 0	BRTNBQ	1125.0	910.0	1131.5	892.4	*	19.	160. AG	16.	100.0	.0	12.0	.15 1.0
54. 0	BRTWB	1098.0	978.0	937.0	954.0	*	163.	262. AG	34.	1.5	.0	32.0	
55. 0	BRTWB	937.0	954.0	339.0	740.0	*	635.	250. AG	34.	1.5	.0	32.0	
56. 0	BRTWB	339.0	740.0	12.0	641.0	*	342.	253. AG	34.	1.5	.0	32.0	

JOB: PurpleLine S9 BRTLOW2015PM  
DATE: 12/17/2007 TIME: 15:49:33.77

RUN: PurpleLine S9 BRTLOW2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	76	2.0	1090	1713	33.40	1	3
9. 0	193nbLq	120	70	2.0	310	1770	33.40	1	3

16. 0	193sbTRq	*	120	88	2.0	700	1702	33.40	1	3
18. 0	193sbLq	*	120	85	2.0	65	1770	33.40	1	3
27. 0	230ebTRq	*	120	66	2.0	2075	1669	33.40	1	3
29. 0	230ebLq	*	120	98	2.0	245	1770	33.40	1	3
36. 0	230wbTRq	*	120	65	2.0	1945	1688	33.40	1	3
38. 0	230wbLq	*	120	97	2.0	270	1770	33.40	1	3
43. 0	BRTEBQ	*	120	60	2.0	34	1611	7.20	1	3
53. 0	BRTNBQ	*	120	101	2.0	34	1770	7.20	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

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JOB: PurpleLine S9 BRTLOW2015PM

RUN: PurpleLine S9 BRTLOW2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (PPM)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0
5. *	.0	.1	.3	.5	.5	.4	.4	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.0	.0
10. *	.0	.2	.3	.5	.5	.4	.4	.0	.0	.0	.0	.1	.1	.2	.2	.2	.3	.0	.0	.0
15. *	.0	.2	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3	.4	.0	.0
20. *	.1	.2	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4	.0	.0	.0
25. *	.1	.2	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.5	.1	.0	.0
30. *	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.1	.0	.0
35. *	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.3	.6	.1	.0	.0
40. *	.1	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.6	.1	.1	.0
45. *	.1	.3	.3	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.1	.4	.6	.2	.2	.0
50. *	.1	.3	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.5	.5	.2	.2	.0
55. *	.1	.3	.3	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.5	.5	.2	.2	.0
60. *	.1	.3	.3	.7	.8	.7	.7	.1	.1	.0	.0	.0	.0	.2	.1	.6	.5	.3	.3	.0
65. *	.1	.2	.3	.6	.7	.7	.7	.2	.2	.0	.0	.0	.0	.2	.1	.6	.5	.3	.3	.0
70. *	.1	.1	.3	.6	.7	.7	.7	.2	.2	.3	.0	.0	.0	.2	.2	.7	.5	.5	.4	.0
75. *	.1	.1	.3	.5	.7	.7	.6	.4	.4	.4	.1	.0	.0	.2	.2	.7	.5	.4	.5	.0
80. *	.0	.1	.1	.5	.6	.6	.6	.6	.6	.7	.2	.0	.0	.2	.2	.7	.5	.5	.9	.0
85. *	.0	.0	.1	.5	.6	.6	.6	.7	.7	.7	.2	.0	.0	.2	.2	.8	.9	.9	.9	.0
90. *	.0	.0	.0	.3	.5	.4	.4	.9	.9	.8	.4	.1	.0	.2	.3	.8	.8	.9	.9	.0
95. *	.0	.0	.0	.2	.4	.3	.3	1.0	1.0	.8	.4	.1	.1	.0	.2	.3	1.0	.6	.8	.9
100. *	.0	.0	.0	.1	.2	.1	1.1	1.1	1.2	.5	.2	.1	.1	.2	.3	1.1	.4	.8	.7	.0
105. *	.0	.0	.0	.0	.1	.1	1.1	1.1	1.2	.6	.2	.1	.1	.2	.3	1.1	.5	.7	.8	.0
110. *	.0	.0	.0	.0	.1	.1	1.0	1.0	1.1	.6	.3	.1	.1	.2	.4	1.0	.6	.7	.8	.0
115. *	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.6	.3	.2	.1	.2	.4	1.1	.4	.7	.7	.0
120. *	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.3	.2	.1	.2	.4	1.1	.4	.7	.7	.0
125. *	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.2	.1	.1	.3	.4	1.1	.4	.8	.7	.0
130. *	.0	.0	.0	.0	.0	.0	.8	.7	.8	.5	.2	.1	.1	.3	.4	1.0	.5	.7	.7	.0
135. *	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.1	.1	.3	.3	.9	.5	.6	.6	.0
140. *	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.1	.1	.1	.4	.8	.5	.6	.6	.0
145. *	.0	.0	.0	.0	.0	.0	.6	.6	.6	.7	.5	.2	.1	.0	.3	.4	.8	.5	.4	.0
150. *	.1	.1	.0	.0	.0	.0	.6	.7	.7	.4	.2	.1	.0	.3	.5	.8	.5	.6	.5	.0
155. *	.2	.1	.0	.0	.0	.0	.6	.7	.7	.5	.2	.1	.0	.3	.5	.8	.5	.7	.6	.0
160. *	.2	.1	.1	.1	.0	.0	.6	.7	.7	.5	.3	.1	.0	.2	.5	.7	.4	.7	.6	.0
165. *	.2	.1	.3	.1	.0	.0	.6	.7	.7	.4	.2	.1	.0	.2	.3	.5	.5	.7	.6	.0
170. *	.2	.1	.3	.2	.0	.0	.6	.7	.7	.5	.2	.2	.1	.2	.4	.4	.5	.6	.5	.0

175.	*	.3	.1	.3	.3	.0	.0	.0	.6	.7	.7	.5	.2	.2	.3	.1	.4	.2	.5	.5	.4
180.	*	.3	.1	.3	.4	.0	.0	.0	.6	.7	.7	.4	.2	.3	.3	.1	.2	.4	.5	.5	.4
185.	*	.2	.1	.4	.4	.0	.0	.0	.6	.7	.7	.4	.3	.3	.3	.0	.3	.3	.5	.6	.5
190.	*	.1	.1	.5	.4	.0	.0	.0	.6	.7	.8	.4	.3	.3	.3	.0	.2	.3	.5	.7	.6
195.	*	.1	.1	.6	.4	.0	.0	.0	.6	.7	.8	.3	.4	.4	.3	.0	.2	.3	.5	.7	.6
200.	*	.1	.2	.6	.5	.1	.0	.0	.6	.7	.8	.3	.4	.5	.2	.1	.2	.3	.5	.7	.6
205.	*	.1	.2	.5	.5	.1	.0	.0	.6	.7	.8	.3	.6	.4	.2	.2	.2	.3	.5	.7	.6

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JOB: PurpleLine S9 BRTLOW2015PM

RUN: PurpleLine S9 BRTLOW2015PM

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WIND	*	CONCENTRATION																				
ANGLE	*	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20		
210.	*	.1	.2	.5	.5	.1	.0	.0	.6	.8	.8	.5	.6	.4	.2	.1	.2	.3	.5	.7	.6	
215.	*	.1	.2	.5	.5	.1	.0	.0	.7	.8	.8	.5	.7	.4	.2	.1	.2	.3	.5	.7	.6	
220.	*	.1	.2	.5	.5	.1	.1	.0	.7	.9	.8	.5	.7	.4	.2	.1	.2	.3	.6	.8	.6	
225.	*	.1	.2	.6	.5	.2	.1	.0	.8	.9	.8	.5	.5	.3	.2	.1	.2	.2	.6	.7	.7	
230.	*	.2	.2	.6	.5	.2	.1	.0	.9	1.0	.9	.6	.5	.2	.2	.1	.1	.2	.6	.7	.7	
235.	*	.2	.2	.6	.4	.2	.1	.1	1.0	1.0	1.0	.6	.5	.2	.2	.1	.1	.2	.5	.7	.7	
240.	*	.2	.2	.6	.5	.2	.1	.1	1.1	1.1	1.2	.6	.5	.2	.2	.1	.1	.2	.5	.7	.7	
245.	*	.2	.2	.6	.4	.2	.2	.2	1.1	1.2	1.1	.7	.3	.2	.1	.0	.1	.1	.5	.7	.7	
250.	*	.2	.2	.8	.7	.2	.3	.3	1.2	1.2	1.1	.6	.3	.1	.1	.0	.0	.1	.2	.7	.5	
255.	*	.2	.3	.9	.7	.5	.4	.3	1.2	1.1	1.0	.4	.2	.1	.1	.0	.0	.0	.2	.4	.4	
260.	*	.3	.2	.9	.6	.5	.5	.4	1.1	.9	.8	.5	.2	.1	.1	.0	.0	.0	.2	.3	.3	
265.	*	.3	.2	.9	.6	.5	.5	.4	1.0	.8	.7	.3	.1	.2	.1	.0	.0	.0	.0	.2	.2	
270.	*	.3	.2	1.1	.6	.6	.4	.6	.6	.6	.5	.3	.1	.2	.1	.0	.0	.0	.0	.1	.1	
275.	*	.3	.3	1.1	.5	.5	.6	.6	.5	.4	.4	.3	.1	.1	.1	.0	.0	.0	.0	.1	.1	
280.	*	.3	.3	1.1	.5	.5	.7	.6	.2	.4	.3	.3	.1	.1	.1	.0	.0	.0	.0	.1	.1	
285.	*	.3	.4	1.1	.4	.6	.6	.7	.2	.3	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	
290.	*	.3	.5	1.1	.3	.6	.7	.8	.1	.1	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	
295.	*	.2	.5	1.1	.3	.6	.7	.8	.1	.0	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	
300.	*	.2	.6	1.1	.5	.6	.8	.7	.0	.0	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	
305.	*	.2	.5	.9	.5	.6	.7	.6	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	
310.	*	.2	.4	.7	.3	.6	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	
315.	*	.2	.5	.7	.4	.5	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	
320.	*	.4	.5	.6	.4	.6	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	
325.	*	.4	.5	.6	.5	.6	.6	.5	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	
330.	*	.4	.4	.5	.5	.6	.6	.5	.0	.0	.0	.1	.2	.1	.2	.0	.0	.0	.0	.0	.0	
335.	*	.3	.4	.4	.6	.5	.6	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	
340.	*	.1	.3	.2	.6	.5	.5	.4	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	
345.	*	.1	.2	.2	.5	.5	.5	.4	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	
350.	*	.1	.1	.2	.4	.5	.5	.4	.0	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.0	.0	
355.	*	.0	.0	.2	.4	.5	.5	.5	.0	.0	.0	.0	.2	.1	.1	.1	.0	.1	.1	.0	.0	
360.	*	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	
MAX	*	.4	.6	1.1	.7	.8	.8	.8	1.2	1.2	1.2	.7	.7	.5	.3	.3	.5	1.1	.9	.9	.9	
DEGR.	*	320	300	270	55	60	300	290	250	245	100	245	215	200	175	125	150	100	85	85	80	

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JOB: PurpleLine S9 BRTLOW2015PM

RUN: PurpleLine S9 BRTLOW2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION								
ANGLE	*	(PPM)								
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28		
0.	*	.0	.6	.7	.7	.5	.2	.2	.4	
5.	*	.0	.6	.7	.7	.5	.1	.5	.4	
10.	*	.0	.6	.7	.8	.5	.2	.5	.4	
15.	*	.0	.6	.7	.8	.6	.3	.5	.4	
20.	*	.0	.6	.7	.8	.6	.4	.5	.3	
25.	*	.0	.7	.9	.9	.4	.5	.8	.2	
30.	*	.0	.8	1.0	1.0	.3	.7	.7	.3	
35.	*	.0	.9	1.1	.9	.4	.6	.8	.3	
40.	*	.0	1.0	1.1	.9	.4	.7	.6	.2	
45.	*	.1	1.1	1.0	.8	.5	.7	.6	.2	
50.	*	.2	.9	.9	.8	.5	.7	.6	.2	
55.	*	.2	.9	.8	.8	.5	.8	.7	.3	
60.	*	.3	.8	.8	.7	.5	.9	.7	.3	
65.	*	.3	.9	.9	.5	.5	.9	.5	.3	
70.	*	.4	.7	.7	.5	.6	.9	.4	.3	
75.	*	.8	.5	.6	.6	.6	.9	.3	.3	
80.	*	.8	.4	.6	.6	.6	.8	.3	.2	
85.	*	.8	.4	.5	.4	.6	.7	.1	.2	
90.	*	.8	.3	.3	.4	.6	.5	.1	.2	
95.	*	.9	.1	.2	.2	.5	.5	.1	.2	
100.	*	.6	.0	.1	.1	.4	.4	.1	.2	
105.	*	.6	.0	.1	.1	.5	.4	.1	.1	
110.	*	.6	.0	.0	.1	.5	.4	.2	.1	
115.	*	.6	.0	.0	.1	.5	.2	.2	.1	
120.	*	.6	.0	.0	.1	.3	.2	.2	.1	
125.	*	.6	.0	.0	.0	.3	.2	.1	.1	
130.	*	.6	.0	.0	.0	.2	.2	.1	.1	

135.	*	.5	.0	.0	.0	.2	.2	.1	.1
140.	*	.5	.0	.0	.0	.2	.2	.1	.2
145.	*	.4	.0	.0	.0	.1	.2	.1	.2
150.	*	.5	.0	.0	.0	.0	.2	.1	.1
155.	*	.6	.0	.0	.0	.0	.2	.1	.1
160.	*	.6	.0	.0	.0	.0	.1	.1	.1
165.	*	.6	.0	.0	.0	.0	.0	.1	.0
170.	*	.5	.0	.0	.0	.0	.0	.0	.0
175.	*	.4	.0	.0	.0	.0	.0	.0	.0
180.	*	.4	.0	.0	.0	.0	.0	.0	.0
185.	*	.5	.0	.0	.0	.0	.0	.0	.0
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.6	.0	.0	.0	.0	.0	.0	.0
200.	*	.6	.0	.0	.0	.0	.0	.0	.0
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 BRTLOW2015PM

RUN: PurpleLine S9 BRTLOW2015PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.6	.0	.0	.0	.0	.0	.0	.0
215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.7	.0	.1	.1	.0	.0	.0	.0
230.	*	.8	.2	.2	.2	.0	.0	.0	.0
235.	*	.8	.2	.2	.2	.1	.0	.0	.0
240.	*	.8	.3	.4	.4	.2	.0	.0	.0
245.	*	.7	.6	.5	.6	.3	.1	.0	.0
250.	*	.5	.8	.7	.8	.4	.1	.1	.0
255.	*	.4	.8	.8	.8	.5	.1	.1	.1
260.	*	.3	.9	.9	.9	.6	.1	.1	.1
265.	*	.1	.9	1.0	1.0	.6	.2	.1	.1
270.	*	.1	.9	.9	.9	.7	.3	.1	.1
275.	*	.1	.9	.9	1.0	.7	.3	.1	.1
280.	*	.0	.9	.9	1.0	.7	.3	.2	.1
285.	*	.0	.9	.9	1.0	.6	.3	.2	.1
290.	*	.0	.8	.9	1.0	.6	.3	.3	.1
295.	*	.0	.7	.7	.8	.6	.3	.3	.1
300.	*	.0	.7	.7	.8	.6	.3	.3	.1
305.	*	.0	.6	.6	.7	.6	.3	.3	.1
310.	*	.0	.6	.6	.7	.6	.3	.3	.1
315.	*	.0	.6	.6	.7	.6	.3	.3	.1
320.	*	.0	.6	.6	.7	.6	.3	.3	.0
325.	*	.0	.6	.6	.7	.6	.3	.2	.0
330.	*	.0	.6	.6	.7	.6	.4	.2	.1
335.	*	.0	.6	.6	.7	.6	.4	.1	.1
340.	*	.0	.6	.6	.7	.7	.4	.2	.2
345.	*	.0	.6	.6	.7	.6	.4	.2	.3
350.	*	.0	.6	.7	.7	.5	.3	.3	.3
355.	*	.0	.6	.7	.7	.5	.2	.2	.4
360.	*	.0	.6	.7	.7	.5	.2	.2	.4
MAX	*	.9	1.1	1.1	1.0	.7	.9	.8	.4
DEGR.	*	95	45	35	30	270	60	25	0

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 245 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 100 DEGREES FROM REC10 .

PurpleLine S9 HighBRT2015AM					60.0321.0.0000.000280.30480000	1	1
SE MID S		1256.	672.	5.0			
SE 164 S		1220.	746.	5.0			
SE 82 S		1189.	822.	5.0			
SE CNR		1162.	921.	5.0			
SE 82 E		1254.	939.	5.0			
SE 164 E		1335.	942.	5.0			
SE MID E		1417.	946.	5.0			
NE MID E		1398.	1028.	5.0			
NE 164 E		1316.	1025.	5.0			
NE 82 E		1235.	1022.	5.0			
NE CNR		1120.	1053.	5.0			
NE 82 N		1079.	1172.	5.0			
NE 164 N		1064.	1255.	5.0			
NE MID N		1060.	1337.	5.0			
NW MID N		953.	1280.	5.0			
NW 164 N		963.	1200.	5.0			
NW 82 N		977.	1118.	5.0			
NW CNR		974.	1010.	5.0			
NW 82 W		877.	962.	5.0			
NW 164 W		801.	934.	5.0			
NW MID W		723.	907.	5.0			
SW MID W		768.	808.	5.0			
SW 164 W		845.	836.	5.0			
SW 82 W		922.	863.	5.0			
SW CNR		1005.	876.	5.0			
SW 82 S		1051.	806.	5.0			
SW 164 S		1082.	729.	5.0			
SW MID S		1116.	655.	5.0			
PurpleLine S9 HighBRT2015AM			60	1	0		
1							
0	193nbD	AG	1085.	969.	1036.	1255.	550 3.1 0 56 30.
0	193nbD	AG	1033.	1254.	1015.	1684.	550 3.1 0 56 30.
0	193nbD	AG	1015.	1684.	1007.	1970.	550 3.1 0 56 30.
0	193sbAP	AG	953.	1972.	973.	1408.	1340 3.1 0 56 30.
0	193sbAP	AG	973.	1408.	986.	1249.	1340 3.1 0 56 30.
0	193sbTR	AG	983.	1246.	1032.	974.	1315 3.1 0 56 30.
0	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3
120		67	2.0	1315	33.4	1673 1 3	
0	193sbL	AG	1003.	1238.	1054.	980.	25 3.1 0 56 30.
0	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1
120		68	2.0	25	33.4	1770 1 3	
0	320ebD	AG	1055.	945.	1146.	959.	1640 3.0 0 44 30.
0	320ebD	AG	1146.	959.	2056.	1001.	1640 3.0 0 44 30.
0	320ebD	AG	2056.	1001.	2211.	1019.	1640 3.0 0 44 30.
0	320wbA	AG	2213.	1053.	2060.	1035.	1920 3.1 0 44 30.
0	320wbA	AG	2060.	1035.	1283.	1002.	1920 3.1 0 44 30.
0	320wbTR	AG	1283.	1003.	1068.	995.	1715 3.1 0 44 30.
0	230wbTRq	AG	1129.	997.	1281.	1003.	0. 24 2
120		74	2.0	1715	33.4	1692 1 3	
0	320wbL	AG	1278.	988.	1070.	982.	205 3.1 0 32 30.
0	230wbLq	AG	1132.	984.	1272.	988.	0. 12 1
120		102	2.0	205	33.4	1770 1 3	
0	193nbAP	AG	1623.	20.	1546.	163.	700 3.1 0 56 30.
0	193nbAP	AG	1546.	163.	1360.	444.	700 3.1 0 56 30.
0	193nbTR	AG	1359.	444.	1250.	622.	510 3.1 0 56 30.
0	193nbTR	AG	1250.	622.	1195.	729.	510 3.1 0 56 30.
0	193nbTR	AG	1195.	729.	1080.	1009.	510 3.1 0 56 30.
0	193nbTRQ	AG	1121.	910.	1195.	729.	0. 36 3
120		62	2.0	510	33.4	1669 1 3	
0	193nbL	AG	1336.	441.	1246.	585.	190 3.1 0 32 30.
0	193nbL	AG	1246.	585.	1174.	719.	190 3.1 0 32 30.
0	193nbL	AG	1174.	719.	1073.	970.	190 3.1 0 32 30.
0	193nbLQ	AG	1100.	903.	1172.	725.	0. 12 1
120		63	2.0	190	33.4	1770 1 3	
0	193sbD	AG	1024.	971.	1100.	760.	1170 3.1 0 56 30.
1							



0		193sbD	AG	1100.	760.	1153.	636.	1170	3.1	0	56	30.
1												
0		193sbD	AG	1153.	636.	1241.	492.	1170	3.1	0	56	30.
1												
0		193sbD	AG	1241.	492.	1482.	130.	1170	3.1	0	56	30.
1												
0		193sbD	AG	1482.	130.	1539.	19.	1170	3.1	0	56	30.
1												
0		320ebAP	AG	15.	586.	227.	645.	1765	3.0	0	44	30.
1												
0		320ebAP	AG	227.	645.	656.	793.	1765	3.0	0	44	30.
1												
0		320ebTR	AG	655.	793.	1087.	947.	1550	3.0	0	44	30.
2												
0		320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
120		74		2.0	1550	33.4	1674	1	3			
1												
0		320ebL	AG	644.	808.	1071.	958.	215	3.0	0	32	30.
2												
0		320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
120		102		2.0	215	33.4	1770	1	3			
1												
0		320wbD	AG	1055.	999.	551.	821.	2365	3.1	0	44	30.
1												
0		320wbD	AG	551.	821.	230.	708.	2365	3.1	0	44	30.
1												
0		320wbD	AG	230.	708.	14.	651.	2365	3.1	0	44	30.
1												
0		BRTeb	AG	13.	602.	296.	688.	34	1.4	0	32	30.
1												
0		BRTeb	AG	296.	688.	605.	805.	34	1.4	0	32	30.
1												
0		BRTeb	AG	605.	805.	1069.	971.	34	1.4	0	32	30.
2												
0		BRTebQ	AG	997.	945.	665.	826.	0.	12	1		
120		53		2.0	34	7.2	1611	1	3			
1												
0		BRTsb	AG	1052.	963.	1118.	773.	34	1.3	0	32	30.
1												
0		BRTsb	AG	1118.	773.	1165.	668.	34	1.3	0	32	30.
1												
0		BRTsb	AG	1165.	668.	1229.	551.	34	1.3	0	32	30.
1												
0		BRTsb	AG	1229.	551.	1481.	174.	34	1.3	0	32	30.
1												
0		BRTsb	AG	1481.	174.	1566.	18.	34	1.3	0	32	30.
1												
0		BRTnb	AG	1596.	21.	1521.	164.	34	1.3	0	32	30.
1												
0		BRTnb	AG	1521.	164.	1320.	445.	34	1.3	0	32	30.
1												
0		BRTnb	AG	1320.	445.	1198.	643.	34	1.3	0	32	30.
1												
0		BRTnb	AG	1198.	643.	1141.	753.	34	1.3	0	32	30.
1												
0		BRTnb	AG	1141.	753.	1066.	965.	34	1.3	0	32	30.
2												
0		BRTnbQ	AG	1089.	899.	1140.	755.	0.	12	1		
120		102		2.0	34	7.2	1770	1	3			
1												
0		BRTwb	AG	1045.	981.	354.	733.	34	1.6	0	32	30.
1												
0		BRTwb	AG	354.	733.	176.	675.	34	1.6	0	32	30.
1												
0		BRTwb	AG	176.	675.	13.	628.	34	1.6	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 HighBRT2015AM  
 DATE: 12/17/2007 TIME: 17:19:47.06

RUN: PurpleLine S9 HighBRT2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. 0	193nbD	* 1085.0	969.0	1036.0	1255.0	*	290.	350. AG	550.	3.1	.0	56.0		
2. 0	193nbD	* 1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	550.	3.1	.0	56.0		
3. 0	193nbD	* 1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	550.	3.1	.0	56.0		
4. 0	193sbAP	* 953.0	1972.0	973.0	1408.0	*	564.	178. AG	1340.	3.1	.0	56.0		
5. 0	193sbAP	* 973.0	1408.0	986.0	1249.0	*	160.	175. AG	1340.	3.1	.0	56.0		
6. 0	193sbTR	* 983.0	1246.0	1032.0	974.0	*	276.	170. AG	1315.	3.1	.0	56.0		
7. 0	193sbTRq	* 1023.0	1026.0	993.9	1183.8	*	160.	350. AG	150.	100.0	.0	36.0	.64	8.2
8. 0	193bL	* 1003.0	1238.0	1054.0	980.0	*	263.	169. AG	25.	3.1	.0	56.0		
9. 0	193bLq	* 1044.0	1032.0	1042.2	1041.1	*	9.	349. AG	51.	100.0	.0	12.0	.04	.5
10. 0	320ebD	* 1055.0	945.0	1146.0	959.0	*	92.	81. AG	1640.	3.0	.0	44.0		
11. 0	320ebD	* 1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1640.	3.0	.0	44.0		
12. 0	320ebD	* 2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1640.	3.0	.0	44.0		
13. 0	320wbA	* 2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	1920.	3.1	.0	44.0		
14. 0	320wbA	* 2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	1920.	3.1	.0	44.0		
15. 0	320wbTR	* 1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1715.	3.1	.0	44.0		
16. 0	230wbTRq	* 1129.0	997.0	4252.8	1120.3	*	3126.	88. AG	110.	100.0	.0	24.0	1.45	158.8
17. 0	320wbL	* 1278.0	988.0	1070.0	982.0	*	208.	268. AG	205.	3.1	.0	32.0		
18. 0	230wbLq	* 1132.0	984.0	1313.7	989.2	*	182.	88. AG	76.	100.0	.0	12.0	1.00	9.2
19. 0	193nbAP	* 1623.0	20.0	1546.0	163.0	*	162.	332. AG	700.	3.1	.0	56.0		
20. 0	193nbAP	* 1546.0	163.0	1360.0	444.0	*	337.	326. AG	700.	3.1	.0	56.0		
21. 0	193nbTR	* 1359.0	444.0	1250.0	622.0	*	209.	329. AG	510.	3.1	.0	56.0		
22. 0	193nbTR	* 1250.0	622.0	1195.0	729.0	*	120.	333. AG	510.	3.1	.0	56.0		
23. 0	193nbTR	* 1195.0	729.0	1080.0	1009.0	*	303.	338. AG	510.	3.1	.0	56.0		
24. 0	193nbTRQ	* 1121.0	910.0	1142.8	856.7	*	58.	158. AG	139.	100.0	.0	36.0	.23	2.9
25. 0	193nbL	* 1336.0	441.0	1246.0	585.0	*	170.	328. AG	190.	3.1	.0	32.0		
26. 0	193nbL	* 1246.0	585.0	1174.0	719.0	*	152.	332. AG	190.	3.1	.0	32.0		
27. 0	193nbL	* 1174.0	719.0	1073.0	970.0	*	271.	338. AG	190.	3.1	.0	32.0		
28. 0	193nbLQ	* 1100.0	903.0	1124.5	842.3	*	65.	158. AG	47.	100.0	.0	12.0	.24	3.3
29. 0	193sbD	* 1024.0	971.0	1100.0	760.0	*	224.	160. AG	1170.	3.1	.0	56.0		
30. 0	193sbD	* 1100.0	760.0	1153.0	636.0	*	135.	157. AG	1170.	3.1	.0	56.0		
31. 0	193sbD	* 1153.0	636.0	1241.0	492.0	*	169.	149. AG	1170.	3.1	.0	56.0		
32. 0	193sbD	* 1241.0	492.0	1482.0	130.0	*	435.	146. AG	1170.	3.1	.0	56.0		
33. 0	193sbD	* 1482.0	130.0	1539.0	19.0	*	125.	153. AG	1170.	3.1	.0	56.0		
34. 0	320ebAP	* 15.0	586.0	227.0	645.0	*	220.	74. AG	1765.	3.0	.0	44.0		
35. 0	320ebAP	* 227.0	645.0	656.0	793.0	*	454.	71. AG	1765.	3.0	.0	44.0		
36. 0	320ebTR	* 655.0	793.0	1087.0	947.0	*	459.	70. AG	1550.	3.0	.0	44.0		
37. 0	320ebTRQ	* 1008.0	919.0	-1196.9	137.0	*	2339.	250. AG	110.	100.0	.0	24.0	1.32	118.8
38. 0	320ebL	* 644.0	808.0	1071.0	958.0	*	453.	71. AG	215.	3.0	.0	32.0		
39. 0	320ebLQ	* 1004.0	934.0	738.3	841.0	*	281.	251. AG	76.	100.0	.0	12.0	1.04	14.3
40. 0	320wbD	* 1055.0	999.0	551.0	821.0	*	535.	251. AG	2365.	3.1	.0	44.0		
41. 0	320wbD	* 551.0	821.0	230.0	708.0	*	340.	251. AG	2365.	3.1	.0	44.0		
42. 0	320wbD	* 230.0	708.0	14.0	651.0	*	223.	255. AG	2365.	3.1	.0	44.0		
43. 0	BRTeb	* 13.0	602.0	296.0	688.0	*	296.	73. AG	34.	1.4	.0	32.0		
44. 0	BRTeb	* 296.0	688.0	605.0	805.0	*	330.	69. AG	34.	1.4	.0	32.0		

JOB: PurpleLine S9 HighBRT2015AM  
 DATE: 12/17/2007 TIME: 17:19:47.06

RUN: PurpleLine S9 HighBRT2015AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
45. 0	BRTeb	* 605.0	805.0	1069.0	971.0	*	493.	70. AG	34.	1.4	.0	32.0		
46. 0	BRTebQ	* 997.0	945.0	987.7	941.7	*	10.	250. AG	9.	100.0	.0	12.0	.04	.5
47. 0	BRTsb	* 1052.0	963.0	1118.0	773.0	*	201.	161. AG	34.	1.3	.0	32.0		
48. 0	BRTsb	* 1118.0	773.0	1165.0	668.0	*	115.	156. AG	34.	1.3	.0	32.0		
49. 0	BRTsb	* 1165.0	668.0	1229.0	551.0	*	133.	151. AG	34.	1.3	.0	32.0		
50. 0	BRTsb	* 1229.0	551.0	1481.0	174.0	*	453.	146. AG	34.	1.3	.0	32.0		
51. 0	BRTsb	* 1481.0	174.0	1566.0	18.0	*	178.	151. AG	34.	1.3	.0	32.0		
52. 0	BRTnb	* 1596.0	21.0	1521.0	164.0	*	161.	332. AG	34.	1.3	.0	32.0		
53. 0	BRTnb	* 1521.0	164.0	1320.0	445.0	*	345.	324. AG	34.	1.3	.0	32.0		
54. 0	BRTnb	* 1320.0	445.0	1198.0	643.0	*	233.	328. AG	34.	1.3	.0	32.0		
55. 0	BRTnb	* 1198.0	643.0	1141.0	753.0	*	124.	333. AG	34.	1.3	.0	32.0		
56. 0	BRTnb	* 1141.0	753.0	1066.0	965.0	*	225.	341. AG	34.	1.3	.0	32.0		
57. 0	BRTnbQ	* 1089.0	899.0	1095.3	881.1	*	19.	160. AG	16.	100.0	.0	12.0	.17	1.0
58. 0	BRTwb	* 1045.0	981.0	354.0	733.0	*	734.	250. AG	34.	1.6	.0	32.0		
59. 0	BRTwb	* 354.0	733.0	176.0	675.0	*	187.	252. AG	34.	1.6	.0	32.0		
60. 0	BRTwb	* 176.0	675.0	13.0	628.0	*	170.	254. AG	34.	1.6	.0	32.0		

JOB: PurpleLine S9 HighBRT2015AM  
 DATE: 12/17/2007 TIME: 17:19:47.06

RUN: PurpleLine S9 HighBRT2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH	RED TIME	CLEARANCE LOST TIME	APPROACH VOL	SATURATION FLOW RATE	IDLE EM FAC	SIGNAL TYPE	ARRIVAL RATE
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		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
7. 0	193sbTRq	*	120	67	2.0	1315	1673	33.40	1	3
9. 0	193sbLq	*	120	68	2.0	25	1770	33.40	1	3
16. 0	230wbTRq	*	120	74	2.0	1715	1692	33.40	1	3
18. 0	230wbLq	*	120	102	2.0	205	1770	33.40	1	3
24. 0	193nbTRQ	*	120	62	2.0	510	1669	33.40	1	3
28. 0	193nbLQ	*	120	63	2.0	190	1770	33.40	1	3
37. 0	320ebTRQ	*	120	74	2.0	1550	1674	33.40	1	3
39. 0	320ebLQ	*	120	102	2.0	215	1770	33.40	1	3
46. 0	BRTebQ	*	120	53	2.0	34	1611	7.20	1	3
57. 0	BRTnbQ	*	120	102	2.0	34	1770	7.20	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 HighBRT2015AM

RUN: PurpleLine S9 HighBRT2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
5. *	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.3	.4	.3	.0	.0
10. *	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.4	.0	.0
15. *	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.0	.0
20. *	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.1	.2	.6	.4	.1	.0	.0
25. *	.1	.1	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
30. *	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
35. *	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1
40. *	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.1	.1
45. *	.1	.1	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.2
50. *	.1	.1	.3	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
55. *	.1	.1	.3	.7	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
60. *	.1	.1	.3	.6	.5	.5	.5	.1	.1	.0	.0	.0	.0	.0	.1	.1	.5	.3	.2	.3
65. *	.1	.1	.3	.6	.5	.5	.5	.2	.2	.1	.0	.0	.0	.0	.1	.1	.5	.3	.3	.3
70. *	.1	.1	.3	.5	.6	.6	.6	.2	.2	.2	.0	.0	.0	.0	.1	.1	.5	.4	.4	.4
75. *	.1	.1	.1	.5	.6	.6	.6	.4	.4	.4	.1	.0	.0	.0	.1	.1	.5	.3	.4	.4
80. *	.1	.1	.1	.5	.6	.5	.5	.5	.5	.5	.1	.0	.0	.0	.1	.1	.5	.6	.4	.4
85. *	.0	.1	.1	.4	.5	.5	.5	.8	.8	.8	.3	.1	.0	.0	.1	.1	.6	.8	.6	.6
90. *	.0	.0	.1	.3	.5	.5	.5	.9	.9	.9	.4	.1	.1	.0	.1	.2	.6	.7	.5	.8
95. *	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	.4	.1	.1	.1	.2	.3	.6	.7	.5	.7
100. *	.0	.0	.0	.0	.2	.2	.2	.9	.9	.9	.6	.1	.1	.1	.2	.3	.7	.7	.6	.7
105. *	.0	.0	.0	.0	.1	.1	.1	.9	.9	1.0	.6	.2	.1	.1	.2	.3	.7	.6	.6	.6
110. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.6	.2	.1	.1	.2	.4	.7	.5	.6	.6
115. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.2	.1	.1	.2	.4	.8	.3	.6	.6
120. *	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.5	.1	.1	.1	.2	.5	.8	.3	.6	.6
125. *	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.5	.1	.1	.1	.2	.5	.8	.3	.6	.6
130. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.6	.9	.4	.5	.5
135. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.7	.7	.4	.5	.5
140. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.6	.7	.4	.5	.5
145. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.6	.6	.4	.5	.5
150. *	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.1	.1	.1	.3	.6	.6	.4	.5	.5

155.	*	.0	.0	.0	.0	.0	.0	.6	.6	.7	.4	.1	.1	.0	.4	.6	.7	.4	.5	.5
160.	*	.0	.0	.0	.0	.0	.0	.6	.6	.7	.3	.1	.0	.0	.4	.6	.5	.5	.6	.6
165.	*	.0	.0	.0	.0	.0	.0	.6	.6	.7	.4	.0	.0	.0	.4	.5	.4	.5	.5	.6
170.	*	.0	.1	.0	.0	.0	.0	.6	.6	.7	.3	.1	.1	.0	.3	.4	.4	.5	.5	.5
175.	*	.0	.1	.0	.1	.0	.0	.6	.6	.7	.4	.1	.1	.1	.2	.4	.3	.5	.5	.5
180.	*	.0	.1	.1	.1	.0	.0	.6	.7	.7	.4	.1	.2	.1	.2	.3	.4	.5	.5	.5
185.	*	.0	.1	.1	.1	.0	.0	.6	.7	.7	.3	.1	.2	.1	.1	.4	.2	.5	.5	.5
190.	*	.0	.1	.1	.2	.0	.0	.6	.7	.7	.2	.2	.3	.2	.1	.2	.2	.5	.5	.5
195.	*	.0	.0	.1	.2	.0	.0	.6	.7	.7	.2	.4	.4	.2	.1	.2	.2	.5	.6	.6
200.	*	.0	.0	.1	.2	.0	.0	.6	.7	.7	.2	.4	.6	.3	.1	.2	.2	.5	.7	.7
205.	*	.0	.0	.1	.3	.0	.0	.6	.7	.7	.2	.6	.6	.4	.1	.2	.2	.5	.7	.7

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JOB: PurpleLine S9 HighBRT2015AM

RUN: PurpleLine S9 HighBRT2015AM

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WIND	*	CONCENTRATION																			
ANGLE	*	(PPM)																			
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.0	.1	.3	.0	.0	.0	.7	.8	.8	.2	.6	.6	.3	.1	.2	.2	.5	.7	.7
215.	*	.1	.0	.0	.3	.0	.0	.0	.7	.8	.9	.4	.6	.6	.2	.1	.2	.2	.6	.7	.6
220.	*	.1	.0	.0	.3	.0	.0	.0	.7	.9	.9	.4	.6	.5	.2	.1	.2	.2	.6	.7	.6
225.	*	.0	.0	.0	.3	.0	.0	.0	.7	.9	.9	.4	.6	.4	.3	.1	.1	.2	.7	.7	.6
230.	*	.0	.0	.0	.3	.1	.0	.0	.7	.9	.9	.4	.6	.4	.3	.1	.1	.2	.7	.8	.7
235.	*	.1	.0	.0	.4	.1	.0	.0	.8	1.0	.9	.6	.6	.3	.3	.1	.1	.2	.6	.6	.7
240.	*	.1	.1	.0	.4	.2	.0	.0	1.0	.9	.9	.6	.5	.2	.2	.1	.1	.1	.4	.6	.6
245.	*	.1	.1	.1	.4	.2	.1	.1	1.1	.9	1.1	.6	.5	.1	.1	.0	.1	.1	.4	.5	.6
250.	*	.1	.1	.2	.6	.2	.1	.2	1.2	1.1	1.1	.5	.4	.1	.1	.0	.0	.1	.3	.4	.5
255.	*	.0	.1	.1	.6	.4	.2	.2	1.0	1.1	.9	.4	.4	.0	.2	.0	.0	.0	.2	.3	.3
260.	*	.1	.1	.2	.6	.5	.2	.2	1.1	.9	.8	.4	.4	.0	.2	.0	.0	.0	.1	.3	.3
265.	*	.1	.1	.2	.6	.4	.3	.2	.8	.8	.6	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
270.	*	.1	.1	.2	.6	.4	.4	.4	.7	.5	.6	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
275.	*	.2	.1	.3	.4	.3	.6	.4	.4	.5	.4	.3	.3	.1	.2	.0	.0	.0	.0	.1	.1
280.	*	.2	.1	.5	.4	.3	.5	.5	.2	.4	.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
285.	*	.2	.2	.5	.3	.6	.5	.7	.2	.3	.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
290.	*	.2	.2	.6	.3	.6	.6	.7	.1	.1	.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
295.	*	.2	.2	.6	.2	.6	.7	.6	.0	.1	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0
300.	*	.2	.2	.3	.3	.6	.7	.5	.0	.0	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.3	.3	.6	.6	.5	.0	.0	.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
310.	*	.0	.1	.4	.3	.7	.6	.5	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
315.	*	.0	.2	.3	.4	.7	.7	.5	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
320.	*	.0	.2	.4	.3	.6	.6	.5	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
325.	*	.0	.2	.4	.3	.6	.6	.5	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
330.	*	.0	.2	.3	.4	.6	.6	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.0	.2	.3	.5	.6	.6	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
340.	*	.0	.1	.1	.5	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.1	.0	.0	.0
345.	*	.0	.0	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.0	.0	.0
350.	*	.0	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.0	.0	.0
355.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.0	.0
360.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
MAX	*	.2	.2	.6	.7	.7	.7	.7	1.2	1.1	1.1	.6	.6	.6	.4	.4	.7	.9	.8	.8	.8
DEGR.	*	275	285	290	55	25	295	285	250	250	245	100	205	200	205	155	135	130	85	230	90

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JOB: PurpleLine S9 HighBRT2015AM

RUN: PurpleLine S9 HighBRT2015AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.6	.6	.6	.5	.2	.1	.1
5.	*	.0	.6	.6	.7	.6	.2	.1	.1
10.	*	.0	.7	.7	.8	.6	.1	.3	.1
15.	*	.0	.7	.7	.8	.6	.1	.3	.1
20.	*	.0	.7	.8	.8	.5	.1	.4	.2
25.	*	.0	.7	.9	.8	.2	.2	.4	.2
30.	*	.0	.8	.9	.8	.2	.3	.4	.2
35.	*	.0	.9	.9	.9	.2	.3	.3	.2
40.	*	.0	.9	.9	.7	.4	.3	.2	.2
45.	*	.1	.8	.9	.7	.5	.3	.2	.2
50.	*	.2	.8	.8	.7	.5	.4	.2	.2
55.	*	.2	.8	.8	.7	.5	.4	.2	.2
60.	*	.3	.7	.7	.5	.6	.4	.2	.2
65.	*	.2	.7	.7	.5	.3	.5	.2	.2
70.	*	.4	.6	.5	.5	.6	.5	.2	.2
75.	*	.4	.4	.3	.4	.6	.2	.2	.2
80.	*	.7	.3	.3	.4	.5	.2	.2	.2
85.	*	.8	.3	.3	.2	.4	.2	.2	.1
90.	*	.8	.2	.2	.1	.3	.2	.1	.1
95.	*	.7	.0	.0	.0	.3	.1	.1	.1
100.	*	.6	.0	.0	.0	.2	.1	.1	.1
105.	*	.7	.0	.0	.0	.2	.1	.1	.1
110.	*	.7	.0	.0	.0	.1	.1	.1	.2

115.	*	.7	.0	.0	.0	.1	.1	.1	.2
120.	*	.7	.0	.0	.0	.1	.1	.1	.2
125.	*	.6	.0	.0	.0	.1	.1	.1	.2
130.	*	.5	.0	.0	.0	.1	.1	.1	.2
135.	*	.5	.0	.0	.0	.1	.2	.1	.2
140.	*	.5	.0	.0	.0	.1	.2	.1	.2
145.	*	.5	.0	.0	.0	.1	.2	.1	.2
150.	*	.5	.0	.0	.0	.0	.2	.1	.2
155.	*	.5	.0	.0	.0	.0	.2	.1	.2
160.	*	.6	.0	.0	.0	.0	.1	.1	.1
165.	*	.5	.0	.0	.0	.0	.0	.1	.0
170.	*	.4	.0	.0	.0	.0	.0	.0	.0
175.	*	.4	.0	.0	.0	.0	.0	.0	.0
180.	*	.4	.0	.0	.0	.0	.0	.0	.0
185.	*	.4	.0	.0	.0	.0	.0	.0	.0
190.	*	.4	.0	.0	.0	.0	.0	.0	.0
195.	*	.5	.0	.0	.0	.0	.0	.0	.0
200.	*	.6	.0	.0	.0	.0	.0	.0	.0
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 HighBRT2015AM

RUN: PurpleLine S9 HighBRT2015AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.6	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.1	.1	.1	.0	.0	.0	.0
235.	*	.7	.1	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.4	.4	.3	.1	.0	.0
250.	*	.4	.6	.7	.6	.3	.1	.0	.0
255.	*	.4	.7	.7	.7	.4	.1	.1	.0
260.	*	.2	.8	.9	.9	.6	.1	.1	.1
265.	*	.1	.9	.9	.9	.6	.2	.1	.1
270.	*	.1	1.0	.9	.9	.7	.2	.1	.1
275.	*	.1	.8	.8	.8	.7	.3	.1	.1
280.	*	.0	.7	.8	.8	.7	.3	.1	.1
285.	*	.0	.7	.8	.8	.6	.3	.1	.1
290.	*	.0	.7	.8	.8	.6	.4	.1	.1
295.	*	.0	.7	.8	.8	.6	.4	.2	.1
300.	*	.0	.6	.7	.7	.6	.4	.2	.1
305.	*	.0	.6	.7	.7	.5	.4	.2	.1
310.	*	.0	.6	.7	.7	.5	.4	.2	.1
315.	*	.0	.6	.7	.6	.5	.4	.2	.1
320.	*	.0	.6	.6	.6	.5	.4	.2	.1
325.	*	.0	.6	.6	.6	.5	.3	.2	.2
330.	*	.0	.7	.7	.7	.5	.4	.2	.1
335.	*	.0	.7	.7	.7	.5	.4	.1	.1
340.	*	.0	.7	.7	.7	.5	.5	.1	.2
345.	*	.0	.7	.7	.7	.6	.4	.2	.2
350.	*	.0	.7	.7	.7	.7	.4	.2	.2
355.	*	.0	.6	.6	.6	.7	.3	.2	.2
360.	*	.0	.6	.6	.6	.5	.2	.1	.1
MAX	*	.8	1.0	.9	.9	.7	.5	.4	.2
DEGR.	*	85	270	25	35	270	65	20	20

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 245 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .

PurpleLine S9 HighBRT2015PM					60.0321.0.0000.000280.30480000	1	1
SE MID S		1256.	672.	5.0			
SE 164 S		1220.	746.	5.0			
SE 82 S		1189.	822.	5.0			
SE CNR		1162.	921.	5.0			
SE 82 E		1254.	939.	5.0			
SE 164 E		1335.	942.	5.0			
SE MID E		1417.	946.	5.0			
NE MID E		1398.	1028.	5.0			
NE 164 E		1316.	1025.	5.0			
NE 82 E		1235.	1022.	5.0			
NE CNR		1120.	1053.	5.0			
NE 82 N		1079.	1172.	5.0			
NE 164 N		1064.	1255.	5.0			
NE MID N		1060.	1337.	5.0			
NW MID N		953.	1280.	5.0			
NW 164 N		963.	1200.	5.0			
NW 82 N		977.	1118.	5.0			
NW CNR		974.	1010.	5.0			
NW 82 W		877.	962.	5.0			
NW 164 W		801.	934.	5.0			
NW MID W		723.	907.	5.0			
SW MID W		768.	808.	5.0			
SW 164 W		845.	836.	5.0			
SW 82 W		922.	863.	5.0			
SW CNR		1005.	876.	5.0			
SW 82 S		1051.	806.	5.0			
SW 164 S		1082.	729.	5.0			
SW MID S		1116.	655.	5.0			
PurpleLine S9 HighBRT2015PM			60	1	0		
1							
0	193nbD	AG	1085.	969.	1036.	1255.	1155 3.1 0 56 30.
0	193nbD	AG	1033.	1254.	1015.	1684.	1155 3.1 0 56 30.
0	193nbD	AG	1015.	1684.	1007.	1970.	1155 3.1 0 56 30.
0	193sbAP	AG	953.	1972.	973.	1408.	765 3.2 0 56 30.
0	193sbAP	AG	973.	1408.	986.	1249.	765 3.2 0 56 30.
0	193sbTR	AG	983.	1246.	1032.	974.	700 3.2 0 56 30.
0	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3
120	88		2.0	700	33.4	1702 1 3	
0	193sbL	AG	1003.	1238.	1054.	980.	65 3.2 0 56 30.
0	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1
120	85		2.0	65	33.4	1770 1 3	
0	320ebD	AG	1055.	945.	1146.	959.	2160 3.0 0 44 30.
0	320ebD	AG	1146.	959.	2056.	1001.	2160 3.0 0 44 30.
0	320ebD	AG	2056.	1001.	2211.	1019.	2160 3.0 0 44 30.
0	320wbA	AG	2213.	1053.	2060.	1035.	2215 3.1 0 44 30.
0	320wbA	AG	2060.	1035.	1283.	1002.	2215 3.1 0 44 30.
0	320wbTR	AG	1283.	1003.	1068.	995.	1945 3.1 0 44 30.
0	230wbTRq	AG	1129.	997.	1281.	1003.	0. 24 2
120	65		2.0	1945	33.4	1688 1 3	
0	320wbL	AG	1278.	988.	1070.	982.	270 3.1 0 32 30.
0	230wbLq	AG	1132.	984.	1272.	988.	0. 12 1
120	97		2.0	270	33.4	1770 1 3	
0	193nbAP	AG	1623.	20.	1546.	163.	1400 3.1 0 56 30.
0	193nbAP	AG	1546.	163.	1360.	444.	1400 3.1 0 56 30.
0	193nbTR	AG	1359.	444.	1250.	622.	1090 3.1 0 56 30.
0	193nbTR	AG	1250.	622.	1195.	729.	1090 3.1 0 56 30.
0	193nbTR	AG	1195.	729.	1080.	1009.	1090 3.1 0 56 30.
0	193nbTRQ	AG	1121.	910.	1195.	729.	0. 36 3
120	76		2.0	1090	33.4	1713 1 3	
0	193nbL	AG	1336.	441.	1246.	585.	310 3.1 0 32 30.
0	193nbL	AG	1246.	585.	1174.	719.	310 3.1 0 32 30.
0	193nbL	AG	1174.	719.	1073.	970.	310 3.1 0 32 30.
0	193nbLQ	AG	1100.	903.	1172.	725.	0. 12 1
120	70		2.0	310	33.4	1770 1 3	
0	193sbD	AG	1024.	971.	1100.	760.	1005 3.2 0 56 30.
1							

0		193sbD	AG	1100.	760.	1153.	636.	1005	3.2	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1005	3.2	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1005	3.2	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1005	3.2	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	2320	3.0	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	2320	3.0	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	2075	3.0	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
0	120	66		2.0	2075	33.4	1669	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	245	3.0	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
0	120	98		2.0	245	33.4	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2215	3.1	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2215	3.1	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2215	3.1	0	44	30.
0	1	BRTeb	AG	13.	602.	296.	688.	34	1.4	0	32	30.
0	1	BRTeb	AG	296.	688.	605.	805.	34	1.4	0	32	30.
0	1	BRTeb	AG	605.	805.	1069.	971.	34	1.4	0	32	30.
0	2	BRTebQ	AG	997.	945.	665.	826.	0.	12	1		
0	120	60		2.0	34	7.2	1611	1	3			
0	1	BRTsb	AG	1052.	963.	1118.	773.	34	1.2	0	32	30.
0	1	BRTsb	AG	1118.	773.	1165.	668.	34	1.2	0	32	30.
0	1	BRTsb	AG	1165.	668.	1229.	551.	34	1.2	0	32	30.
0	1	BRTsb	AG	1229.	551.	1481.	174.	34	1.2	0	32	30.
0	1	BRTsb	AG	1481.	174.	1566.	18.	34	1.2	0	32	30.
0	1	BRTnb	AG	1596.	21.	1521.	164.	34	1.3	0	32	30.
0	1	BRTnb	AG	1521.	164.	1320.	445.	34	1.3	0	32	30.
0	1	BRTnb	AG	1320.	445.	1198.	643.	34	1.3	0	32	30.
0	1	BRTnb	AG	1198.	643.	1141.	753.	34	1.3	0	32	30.
0	1	BRTnb	AG	1141.	753.	1066.	965.	34	1.3	0	32	30.
0	2	BRTnbQ	AG	1089.	899.	1140.	755.	0.	12	1		
0	120	97		2.0	34	7.2	1770	1	3			
0	1	BRTwb	AG	1045.	981.	354.	733.	34	1.5	0	32	30.
0	1	BRTwb	AG	354.	733.	176.	675.	34	1.5	0	32	30.
0	1	BRTwb	AG	176.	675.	13.	628.	34	1.5	0	32	30.
0	1.0	04	1000	0Y	5	0	72					

JOB: PurpleLine S9 HighBRT2015PM  
DATE: 12/17/2007 TIME: 17:52:03.08

RUN: PurpleLine S9 HighBRT2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	* 1085.0	969.0	1036.0	1255.0	*	290.	350. AG	1155.	3.1	.0	56.0	
2. 0	193nbD	* 1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	1155.	3.1	.0	56.0	
3. 0	193nbD	* 1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	1155.	3.1	.0	56.0	
4. 0	193sbAP	* 953.0	1972.0	973.0	1408.0	*	564.	178. AG	765.	3.2	.0	56.0	
5. 0	193sbAP	* 973.0	1408.0	986.0	1249.0	*	160.	175. AG	765.	3.2	.0	56.0	
6. 0	193sbTR	* 983.0	1246.0	1032.0	974.0	*	276.	170. AG	700.	3.2	.0	56.0	
7. 0	193sbTRq	* 1023.0	1026.0	1002.7	1136.3	*	112.	350. AG	197.	100.0	.0	36.0	.59 5.7
8. 0	193bL	* 1003.0	1238.0	1054.0	980.0	*	263.	169. AG	65.	3.2	.0	56.0	
9. 0	193bLq	* 1044.0	1032.0	1038.1	1061.6	*	30.	349. AG	63.	100.0	.0	12.0	.14 1.5
10. 0	320ebD	* 1055.0	945.0	1146.0	959.0	*	92.	81. AG	2160.	3.0	.0	44.0	
11. 0	320ebD	* 1146.0	959.0	2056.0	1001.0	*	911.	87. AG	2160.	3.0	.0	44.0	
12. 0	320ebD	* 2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	2160.	3.0	.0	44.0	
13. 0	320wbA	* 2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2215.	3.1	.0	44.0	
14. 0	320wbA	* 2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2215.	3.1	.0	44.0	
15. 0	320wbTR	* 1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1945.	3.1	.0	44.0	
16. 0	230wbTRq	* 1129.0	997.0	4158.4	1116.6	*	3032.	88. AG	97.	100.0	.0	24.0	1.36 154.0
17. 0	230wbL	* 1278.0	988.0	1070.0	982.0	*	208.	268. AG	270.	3.1	.0	32.0	
18. 0	230wbLq	* 1132.0	984.0	1336.0	989.8	*	204.	88. AG	72.	100.0	.0	12.0	.96 10.4
19. 0	193nbAP	* 1623.0	20.0	1546.0	163.0	*	162.	332. AG	1400.	3.1	.0	56.0	
20. 0	193nbAP	* 1546.0	163.0	1360.0	444.0	*	337.	326. AG	1400.	3.1	.0	56.0	
21. 0	193nbTR	* 1359.0	444.0	1250.0	622.0	*	209.	329. AG	1090.	3.1	.0	56.0	
22. 0	193nbTR	* 1250.0	622.0	1195.0	729.0	*	120.	333. AG	1090.	3.1	.0	56.0	
23. 0	193nbTR	* 1195.0	729.0	1080.0	1009.0	*	303.	338. AG	1090.	3.1	.0	56.0	
24. 0	193nbTRQ	* 1121.0	910.0	1178.1	770.4	*	151.	158. AG	170.	100.0	.0	36.0	.64 7.7
25. 0	193nbL	* 1336.0	441.0	1246.0	585.0	*	170.	328. AG	310.	3.1	.0	32.0	
26. 0	193nbL	* 1246.0	585.0	1174.0	719.0	*	152.	332. AG	310.	3.1	.0	32.0	
27. 0	193nbL	* 1174.0	719.0	1073.0	970.0	*	271.	338. AG	310.	3.1	.0	32.0	
28. 0	193nbLQ	* 1100.0	903.0	1144.5	793.0	*	119.	158. AG	52.	100.0	.0	12.0	.46 6.0
29. 0	193sbD	* 1024.0	971.0	1100.0	760.0	*	224.	160. AG	1005.	3.2	.0	56.0	
30. 0	193sbD	* 1100.0	760.0	1153.0	636.0	*	135.	157. AG	1005.	3.2	.0	56.0	
31. 0	193sbD	* 1153.0	636.0	1241.0	492.0	*	169.	149. AG	1005.	3.2	.0	56.0	
32. 0	193sbD	* 1241.0	492.0	1482.0	130.0	*	435.	146. AG	1005.	3.2	.0	56.0	
33. 0	193sbD	* 1482.0	130.0	1539.0	19.0	*	125.	153. AG	1005.	3.2	.0	56.0	
34. 0	320ebAP	* 15.0	586.0	227.0	645.0	*	220.	74. AG	2320.	3.0	.0	44.0	
35. 0	320ebAP	* 227.0	645.0	656.0	793.0	*	454.	71. AG	2320.	3.0	.0	44.0	
36. 0	320ebTR	* 655.0	793.0	1087.0	947.0	*	459.	70. AG	2075.	3.0	.0	44.0	
37. 0	320ebTRQ	* 1008.0	919.0	-2697.5	-395.2	*	3932.	250. AG	99.	100.0	.0	24.0	1.49 199.7
38. 0	320ebL	* 644.0	808.0	1071.0	958.0	*	453.	71. AG	245.	3.0	.0	32.0	
39. 0	320ebLQ	* 1004.0	934.0	839.9	876.6	*	174.	251. AG	73.	100.0	.0	12.0	.92 8.8
40. 0	320wbD	* 1055.0	999.0	551.0	821.0	*	535.	251. AG	2215.	3.1	.0	44.0	
41. 0	320wbD	* 551.0	821.0	230.0	708.0	*	340.	251. AG	2215.	3.1	.0	44.0	
42. 0	320wbD	* 230.0	708.0	14.0	651.0	*	223.	255. AG	2215.	3.1	.0	44.0	
43. 0	BRTeb	* 13.0	602.0	296.0	688.0	*	296.	73. AG	34.	1.4	.0	32.0	
44. 0	BRTeb	* 296.0	688.0	605.0	805.0	*	330.	69. AG	34.	1.4	.0	32.0	

JOB: PurpleLine S9 HighBRT2015PM  
DATE: 12/17/2007 TIME: 17:52:03.08

RUN: PurpleLine S9 HighBRT2015PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTeb	* 605.0	805.0	1069.0	971.0	*	493.	70. AG	34.	1.4	.0	32.0	
46. 0	BRTebQ	* 997.0	945.0	986.5	941.2	*	11.	250. AG	10.	100.0	.0	12.0	.05 .6
47. 0	BRTsb	* 1052.0	963.0	1118.0	773.0	*	201.	161. AG	34.	1.2	.0	32.0	
48. 0	BRTsb	* 1118.0	773.0	1165.0	668.0	*	115.	156. AG	34.	1.2	.0	32.0	
49. 0	BRTsb	* 1165.0	668.0	1229.0	551.0	*	133.	151. AG	34.	1.2	.0	32.0	
50. 0	BRTsb	* 1229.0	551.0	1481.0	174.0	*	453.	146. AG	34.	1.2	.0	32.0	
51. 0	BRTsb	* 1481.0	174.0	1566.0	18.0	*	178.	151. AG	34.	1.2	.0	32.0	
52. 0	BRTnb	* 1596.0	21.0	1521.0	164.0	*	161.	332. AG	34.	1.3	.0	32.0	
53. 0	BRTnb	* 1521.0	164.0	1320.0	445.0	*	345.	324. AG	34.	1.3	.0	32.0	
54. 0	BRTnb	* 1320.0	445.0	1198.0	643.0	*	233.	328. AG	34.	1.3	.0	32.0	
55. 0	BRTnb	* 1198.0	643.0	1141.0	753.0	*	124.	333. AG	34.	1.3	.0	32.0	
56. 0	BRTnb	* 1141.0	753.0	1066.0	965.0	*	225.	341. AG	34.	1.3	.0	32.0	
57. 0	BRTnbQ	* 1089.0	899.0	1095.0	882.0	*	18.	160. AG	16.	100.0	.0	12.0	.12 .9
58. 0	BRTwb	* 1045.0	981.0	354.0	733.0	*	734.	250. AG	34.	1.5	.0	32.0	
59. 0	BRTwb	* 354.0	733.0	176.0	675.0	*	187.	252. AG	34.	1.5	.0	32.0	
60. 0	BRTwb	* 176.0	675.0	13.0	628.0	*	170.	254. AG	34.	1.5	.0	32.0	

JOB: PurpleLine S9 HighBRT2015PM  
DATE: 12/17/2007 TIME: 17:52:03.08

RUN: PurpleLine S9 HighBRT2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH	RED TIME	CLEARANCE LOST TIME	APPROACH VOL	SATURATION FLOW RATE	IDLE EM FAC	SIGNAL TYPE	ARRIVAL RATE
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		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
7. 0	193sbTRq	*	120	88	2.0	700	1702	33.40	1	3
9. 0	193sbLq	*	120	85	2.0	65	1770	33.40	1	3
16. 0	230wbTRq	*	120	65	2.0	1945	1688	33.40	1	3
18. 0	230wbLq	*	120	97	2.0	270	1770	33.40	1	3
24. 0	193nbTRQ	*	120	76	2.0	1090	1713	33.40	1	3
28. 0	193nbLQ	*	120	70	2.0	310	1770	33.40	1	3
37. 0	320ebTRQ	*	120	66	2.0	2075	1669	33.40	1	3
39. 0	320ebLQ	*	120	98	2.0	245	1770	33.40	1	3
46. 0	BRTebQ	*	120	60	2.0	34	1611	7.20	1	3
57. 0	BRTnbQ	*	120	97	2.0	34	1770	7.20	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 HighBRT2015PM

RUN: PurpleLine S9 HighBRT2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0
5. *	.0	.2	.3	.5	.5	.4	.4	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.0	.0
10. *	.0	.2	.3	.5	.5	.4	.4	.0	.0	.0	.0	.1	.1	.2	.2	.2	.3	.0	.0	.0
15. *	.0	.2	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.0	.0	.0
20. *	.1	.2	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4	.0	.0	.0
25. *	.1	.2	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.5	.1	.0	.0
30. *	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.1	.0	.0
35. *	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.3	.6	.1	.0	.0
40. *	.1	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.6	.1	.1	.1
45. *	.1	.3	.3	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.1	.4	.6	.1	.2	.2
50. *	.1	.3	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.5	.5	.2	.2	.2
55. *	.1	.3	.3	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.5	.5	.2	.2	.2
60. *	.1	.3	.3	.7	.8	.7	.7	.1	.1	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2	.2
65. *	.1	.2	.3	.6	.7	.7	.7	.2	.2	.0	.0	.0	.0	.2	.1	.6	.5	.3	.3	.3
70. *	.1	.1	.3	.6	.7	.7	.7	.2	.2	.3	.0	.0	.0	.2	.2	.7	.5	.4	.5	.5
75. *	.1	.1	.3	.5	.7	.7	.6	.4	.4	.4	.1	.0	.0	.2	.2	.7	.5	.4	.4	.4
80. *	.0	.1	.2	.5	.6	.6	.6	.6	.6	.7	.2	.0	.0	.2	.2	.7	.6	.5	.5	.5
85. *	.0	.0	.1	.5	.6	.6	.6	.7	.7	.7	.2	.0	.0	.2	.2	.8	.9	.6	.6	.6
90. *	.0	.0	.0	.3	.5	.4	.4	.9	.9	.8	.4	.1	.0	.2	.3	.8	.8	.6	.8	.8
95. *	.0	.0	.0	.2	.4	.3	.3	1.0	1.0	.8	.4	.1	.1	.0	.2	.3	1.0	.6	.7	.7
100. *	.0	.0	.0	.1	.2	.1	.2	1.1	1.1	1.2	.5	.2	.1	.1	.2	.3	1.1	.4	.7	.7
105. *	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	1.2	.6	.2	.1	.1	.2	.3	1.1	.6	.7	.7
110. *	.0	.0	.0	.0	.1	.1	.1	1.0	1.0	1.1	.6	.3	.1	.1	.2	.4	1.0	.6	.7	.7
115. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.6	.3	.2	.1	.2	.4	1.1	.5	.7	.6
120. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.3	.2	.1	.2	.4	1.1	.6	.6	.6
125. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.2	.1	.1	.3	.4	1.1	.6	.6	.5
130. *	.0	.0	.0	.0	.0	.0	.0	.8	.7	.8	.5	.2	.1	.1	.3	.4	1.0	.6	.5	.5
135. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.1	.1	.3	.3	1.0	.5	.5	.5
140. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.1	.1	.1	.4	.8	.5	.5	.5
145. *	.1	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.2	.1	.0	.3	.4	.8	.5	.5	.4
150. *	.1	.1	.0	.0	.0	.0	.0	.6	.7	.7	.4	.2	.1	.0	.3	.5	.7	.5	.5	.4

155.	*	.2	.1	.1	.1	.0	.0	.0	.6	.7	.7	.5	.2	.1	.0	.3	.5	.8	.4	.5	.4
160.	*	.2	.1	.2	.1	.0	.0	.0	.6	.7	.7	.5	.3	.1	.0	.2	.4	.7	.5	.5	.4
165.	*	.2	.1	.2	.3	.0	.0	.0	.6	.7	.7	.5	.2	.2	.0	.2	.3	.5	.4	.5	.4
170.	*	.2	.1	.2	.3	.0	.0	.0	.6	.7	.7	.5	.2	.2	.1	.2	.3	.5	.5	.5	.4
175.	*	.2	.1	.3	.4	.0	.0	.0	.6	.7	.7	.5	.2	.2	.3	.1	.3	.3	.5	.5	.4
180.	*	.2	.1	.3	.5	.0	.0	.0	.6	.7	.7	.4	.2	.3	.3	.1	.2	.4	.5	.5	.4
185.	*	.2	.1	.4	.5	.0	.0	.0	.6	.7	.8	.4	.3	.3	.3	.0	.2	.3	.5	.5	.4
190.	*	.1	.1	.4	.5	.0	.0	.0	.6	.7	.8	.4	.3	.3	.3	.0	.2	.3	.5	.5	.4
195.	*	.1	.1	.5	.5	.1	.0	.0	.6	.7	.8	.4	.3	.4	.3	.0	.2	.3	.5	.5	.4
200.	*	.1	.1	.5	.6	.1	.0	.0	.6	.7	.8	.5	.4	.4	.2	.1	.2	.3	.5	.5	.5
205.	*	.1	.1	.5	.6	.1	.0	.0	.6	.8	.8	.5	.6	.4	.2	.1	.2	.3	.5	.5	.5

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JOB: PurpleLine S9 HighBRT2015PM

RUN: PurpleLine S9 HighBRT2015PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.1	.1	.5	.6	.1	.0	.0	.6	.8	.8	.5	.6	.4	.2	.1	.2	.3	.5	.5	.5
215.	*	.1	.1	.6	.6	.1	.0	.0	.7	.8	.8	.5	.7	.4	.2	.1	.2	.2	.5	.5	.6
220.	*	.1	.1	.6	.6	.2	.1	.0	.8	.9	.8	.5	.6	.3	.2	.1	.1	.2	.5	.6	.6
225.	*	.1	.1	.6	.6	.2	.1	.0	.8	.9	.8	.5	.5	.2	.2	.1	.1	.2	.4	.6	.7
230.	*	.1	.1	.6	.6	.2	.1	.0	.9	1.0	.9	.5	.5	.2	.2	.1	.1	.2	.5	.6	.7
235.	*	.1	.2	.6	.5	.2	.1	1.0	1.0	1.1	.5	.5	.2	.2	.2	.1	.1	.2	.5	.7	.6
240.	*	.1	.1	.6	.5	.3	.1	1.1	1.1	1.1	.6	.4	.2	.2	.2	.1	.1	.1	.4	.6	.6
245.	*	.1	.1	.6	.6	.2	.2	1.1	1.2	1.1	.7	.3	.2	.1	.0	.1	.1	.3	.6	.6	.6
250.	*	.1	.1	.8	.6	.3	.3	1.1	1.2	1.1	.4	.3	.1	.1	.0	.0	.1	.2	.4	.4	.4
255.	*	.1	.2	.8	.6	.4	.3	1.1	1.1	1.0	.4	.2	.1	.1	.0	.0	.0	.2	.3	.3	.3
260.	*	.2	.2	.8	.7	.5	.4	.3	1.0	.9	.8	.5	.2	.1	.1	.0	.0	.0	.1	.3	.3
265.	*	.2	.2	.8	.6	.5	.6	.3	.9	.8	.7	.4	.1	.2	.1	.0	.0	.0	.0	.1	.1
270.	*	.2	.2	.9	.6	.6	.5	.5	.6	.5	.5	.3	.1	.2	.1	.0	.0	.0	.0	.1	.1
275.	*	.2	.3	.9	.6	.6	.6	.6	.5	.4	.4	.3	.1	.1	.1	.0	.0	.0	.0	.0	.1
280.	*	.2	.3	1.0	.5	.5	.6	.6	.2	.4	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
285.	*	.2	.3	1.0	.4	.6	.6	.7	.2	.3	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
290.	*	.2	.4	1.0	.4	.6	.7	.8	.1	.1	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
295.	*	.2	.4	1.0	.4	.6	.7	.8	.1	.0	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
300.	*	.1	.5	.9	.5	.6	.8	.7	.0	.0	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
305.	*	.2	.4	.9	.5	.6	.7	.6	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
310.	*	.2	.4	.7	.4	.6	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
315.	*	.3	.5	.7	.5	.5	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
320.	*	.4	.6	.6	.5	.6	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
325.	*	.4	.5	.6	.6	.6	.6	.5	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
330.	*	.4	.4	.5	.5	.6	.6	.5	.0	.0	.0	.1	.2	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.4	.4	.4	.6	.5	.6	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
340.	*	.2	.3	.3	.6	.5	.5	.4	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
345.	*	.1	.3	.3	.5	.5	.5	.4	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0
350.	*	.1	.2	.3	.4	.5	.5	.4	.0	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.0	.0
355.	*	.0	.2	.3	.4	.5	.5	.5	.0	.0	.0	.0	.2	.1	.1	.1	.0	.1	.1	.0	.0
360.	*	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0

MAX	*	.4	.6	1.0	.7	.8	.8	.8	1.1	1.2	1.2	.7	.7	.4	.3	.3	.5	1.1	.9	.7	.8
DEGR.	*	320	320	280	55	60	300	290	100	245	100	245	215	195	175	125	150	100	85	100	90

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JOB: PurpleLine S9 HighBRT2015PM

RUN: PurpleLine S9 HighBRT2015PM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

0.	*	.0	.6	.7	.7	.5	.3	.2	.2
5.	*	.0	.6	.7	.8	.5	.3	.2	.3
10.	*	.0	.6	.7	.8	.6	.1	.2	.4
15.	*	.0	.6	.7	.8	.7	.1	.2	.4
20.	*	.0	.6	.7	.8	.6	.1	.5	.3
25.	*	.0	.6	.8	.8	.3	.2	.6	.2
30.	*	.0	.7	.9	.8	.3	.4	.6	.3
35.	*	.0	.7	.9	.9	.5	.3	.4	.3
40.	*	.0	.8	.9	.9	.5	.4	.5	.3
45.	*	.0	1.0	.9	.8	.5	.5	.5	.2
50.	*	.1	.8	.8	.8	.5	.5	.5	.2
55.	*	.2	.8	.8	.7	.5	.6	.5	.2
60.	*	.3	.8	.8	.6	.6	.7	.5	.2
65.	*	.3	.8	.7	.6	.7	.7	.4	.2
70.	*	.4	.5	.6	.5	.5	.7	.3	.2
75.	*	.4	.5	.6	.7	.5	.6	.3	.2
80.	*	.6	.4	.5	.4	.5	.5	.2	.1
85.	*	.7	.4	.4	.4	.4	.4	.1	.1
90.	*	.7	.3	.3	.3	.5	.3	.1	.1
95.	*	.7	.0	.1	.1	.3	.3	.1	.1
100.	*	.6	.0	.1	.1	.3	.2	.1	.1
105.	*	.5	.0	.0	.1	.3	.2	.1	.1
110.	*	.5	.0	.0	.1	.3	.2	.1	.2

115.	*	.5	.0	.0	.1	.2	.2	.1	.2
120.	*	.5	.0	.0	.0	.2	.1	.1	.2
125.	*	.4	.0	.0	.0	.2	.1	.1	.2
130.	*	.4	.0	.0	.0	.2	.1	.1	.2
135.	*	.4	.0	.0	.0	.1	.2	.1	.2
140.	*	.4	.0	.0	.0	.1	.2	.1	.2
145.	*	.4	.0	.0	.0	.1	.2	.1	.2
150.	*	.4	.0	.0	.0	.0	.2	.1	.2
155.	*	.4	.0	.0	.0	.0	.1	.1	.1
160.	*	.4	.0	.0	.0	.0	.0	.1	.0
165.	*	.4	.0	.0	.0	.0	.0	.1	.0
170.	*	.4	.0	.0	.0	.0	.0	.0	.0
175.	*	.4	.0	.0	.0	.0	.0	.0	.0
180.	*	.4	.0	.0	.0	.0	.0	.0	.0
185.	*	.4	.0	.0	.0	.0	.0	.0	.0
190.	*	.4	.0	.0	.0	.0	.0	.0	.0
195.	*	.4	.0	.0	.0	.0	.0	.0	.0
200.	*	.4	.0	.0	.0	.0	.0	.0	.0
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

1

JOB: PurpleLine S9 HighBRT2015PM

RUN: PurpleLine S9 HighBRT2015PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.6	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.6	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.1	.2	.2	.0	.0	.0	.0
235.	*	.7	.2	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.6	.5	.3	.1	.0	.0
250.	*	.5	.6	.6	.6	.3	.1	.1	.0
255.	*	.4	.7	.7	.8	.4	.1	.1	.1
260.	*	.2	.8	.8	.9	.6	.1	.1	.1
265.	*	.1	.8	.9	.8	.6	.1	.1	.1
270.	*	.1	.9	.8	.8	.7	.2	.1	.1
275.	*	.0	.8	.8	.9	.7	.2	.1	.1
280.	*	.0	.7	.8	.9	.7	.3	.1	.1
285.	*	.0	.6	.7	.8	.6	.3	.1	.1
290.	*	.0	.6	.7	.8	.6	.3	.1	.1
295.	*	.0	.6	.6	.7	.6	.3	.2	.1
300.	*	.0	.6	.6	.7	.6	.3	.2	.1
305.	*	.0	.6	.6	.7	.6	.3	.3	.1
310.	*	.0	.6	.6	.7	.6	.4	.2	.1
315.	*	.0	.6	.6	.7	.6	.4	.2	.1
320.	*	.0	.6	.6	.7	.6	.3	.2	.1
325.	*	.0	.6	.6	.7	.6	.3	.2	.0
330.	*	.0	.6	.6	.7	.6	.3	.3	.1
335.	*	.0	.6	.6	.7	.6	.4	.2	.1
340.	*	.0	.6	.6	.7	.6	.4	.1	.1
345.	*	.0	.6	.6	.7	.7	.4	.2	.2
350.	*	.0	.6	.6	.7	.7	.3	.2	.2
355.	*	.0	.6	.7	.7	.6	.3	.2	.2
360.	*	.0	.6	.7	.7	.5	.3	.2	.2
MAX	*	.7	1.0	.9	.9	.7	.7	.6	.4
DEGR.	*	85	45	30	35	15	60	25	10

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 245 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 100 DEGREES FROM REC10 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 100 DEGREES FROM REC8 .

PurpleLine S9	LowLRT2015AM				60.0321.0.0000.000280.30480000	1	1	
SE MID S		1256.	672.	5.0				
SE 164 S		1220.	746.	5.0				
SE 82 S		1189.	822.	5.0				
SE CNR		1162.	921.	5.0				
SE 82 E		1254.	939.	5.0				
SE 164 E		1335.	942.	5.0				
SE MID E		1417.	946.	5.0				
NE MID E		1398.	1028.	5.0				
NE 164 E		1316.	1025.	5.0				
NE 82 E		1235.	1022.	5.0				
NE CNR		1120.	1053.	5.0				
NE 82 N		1079.	1172.	5.0				
NE 164 N		1064.	1255.	5.0				
NE MID N		1060.	1337.	5.0				
NW MID N		953.	1280.	5.0				
NW 164 N		963.	1200.	5.0				
NW 82 N		977.	1118.	5.0				
NW CNR		974.	1010.	5.0				
NW 82 W		877.	962.	5.0				
NW 164 W		801.	934.	5.0				
NW MID W		723.	907.	5.0				
SW MID W		768.	808.	5.0				
SW 164 W		845.	836.	5.0				
SW 82 W		922.	863.	5.0				
SW CNR		1005.	876.	5.0				
SW 82 S		1051.	806.	5.0				
SW 164 S		1082.	729.	5.0				
SW MID S		1116.	655.	5.0				
PurpleLine S9	LowLRT2015AM				42	1	0	
0	1	193nbD	AG	1085.	969.	1036.	1255.	550 3.1 0 56 30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	550 3.1 0 56 30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	550 3.1 0 56 30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	1340 3.1 0 56 30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	1340 3.1 0 56 30.
0	1	193sbTR	AG	983.	1246.	1032.	974.	1315 3.1 0 56 30.
0	2	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3
	120	68		2.0	1315	33.4	1673 1 3	
0	1	193sbL	AG	1003.	1238.	1054.	980.	25 3.1 0 56 30.
0	2	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1
	120	69		2.0	25	33.4	1770 1 3	
0	1	320ebD	AG	1055.	945.	1146.	959.	1640 3.0 0 44 30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	1640 3.0 0 44 30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	1640 3.0 0 44 30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	1920 3.1 0 44 30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	1920 3.1 0 44 30.
0	1	320wbTR	AG	1283.	1003.	1068.	995.	1715 3.1 0 44 30.
0	2	230wbTRq	AG	1129.	997.	1281.	1003.	0. 24 2
	120	73		2.0	1715	33.4	1692 1 3	
0	1	320wbL	AG	1278.	988.	1070.	982.	205 3.1 0 32 30.
0	2	230wbLq	AG	1132.	984.	1272.	988.	0. 12 1
	120	101		2.0	205	33.4	1770 1 3	
0	1	193nbAP	AG	1623.	20.	1546.	163.	695 3.1 0 56 30.
0	1	193nbAP	AG	1546.	163.	1360.	444.	695 3.1 0 56 30.
0	1	193nbTR	AG	1359.	444.	1250.	622.	510 3.1 0 56 30.
0	1	193nbTR	AG	1250.	622.	1195.	729.	510 3.1 0 56 30.
0	1	193nbTR	AG	1195.	729.	1080.	1009.	510 3.1 0 56 30.
0	2	193nbTRQ	AG	1121.	910.	1195.	729.	0. 36 3
	120	63		2.0	510	33.4	1669 1 3	
0	1	193nbL	AG	1336.	441.	1246.	585.	185 3.1 0 32 30.
0	1	193nbL	AG	1246.	585.	1174.	719.	185 3.1 0 32 30.
0	1	193nbL	AG	1174.	719.	1073.	970.	185 3.1 0 32 30.
0	2	193nbLQ	AG	1100.	903.	1172.	725.	0. 12 1
	120	64		2.0	185	33.4	1770 1 3	
0	1	193sbD	AG	1024.	971.	1100.	760.	1170 3.1 0 56 30.
0	1							

0		193sbD	AG	1100.	760.	1153.	636.	1170	3.1	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1170	3.1	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1170	3.1	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1170	3.1	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	1765	3.0	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	1765	3.0	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	1550	3.0	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
		120	74	2.0	1550	33.4	1674	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	215	3.0	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
		120	102	2.0	215	33.4	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2360	3.1	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2360	3.1	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2360	3.1	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 LowLRT2015AM  
 DATE: 12/19/2007 TIME: 09:21:08.11

RUN: PurpleLine S9 LowLRT2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	550.	3.1	.0	56.0	
2. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	550.	3.1	.0	56.0	
3. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	550.	3.1	.0	56.0	
4. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	1340.	3.1	.0	56.0	
5. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	1340.	3.1	.0	56.0	
6. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1315.	3.1	.0	56.0	
7. 0	193sbTRq	1023.0	1026.0	993.5	1186.2	*	163.	350. AG	152.	100.0	.0	36.0	.65 8.3
8. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	25.	3.1	.0	56.0	
9. 0	193sbLq	1044.0	1032.0	1042.2	1041.3	*	9.	349. AG	52.	100.0	.0	12.0	.04 .5
10. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	1640.	3.0	.0	44.0	
11. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1640.	3.0	.0	44.0	
12. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1640.	3.0	.0	44.0	
13. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	1920.	3.1	.0	44.0	
14. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	1920.	3.1	.0	44.0	
15. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1715.	3.1	.0	44.0	
16. 0	230wbTRq	1129.0	997.0	4108.4	1114.6	*	2982.	88. AG	109.	100.0	.0	24.0	1.41 151.5
17. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	205.	3.1	.0	32.0	
18. 0	230wbLq	1132.0	984.0	1286.4	988.4	*	154.	88. AG	75.	100.0	.0	12.0	.93 7.8
19. 0	193nbAP	1623.0	20.0	1546.0	163.0	*	162.	332. AG	695.	3.1	.0	56.0	
20. 0	193nbAP	1546.0	163.0	1360.0	444.0	*	337.	326. AG	695.	3.1	.0	56.0	
21. 0	193nbTR	1359.0	444.0	1250.0	622.0	*	209.	329. AG	510.	3.1	.0	56.0	
22. 0	193nbTR	1250.0	622.0	1195.0	729.0	*	120.	333. AG	510.	3.1	.0	56.0	
23. 0	193nbTR	1195.0	729.0	1080.0	1009.0	*	303.	338. AG	510.	3.1	.0	56.0	
24. 0	193nbTRQ	1121.0	910.0	1143.2	855.8	*	59.	158. AG	141.	100.0	.0	36.0	.23 3.0
25. 0	193nbL	1336.0	441.0	1246.0	585.0	*	170.	328. AG	185.	3.1	.0	32.0	
26. 0	193nbL	1246.0	585.0	1174.0	719.0	*	152.	332. AG	185.	3.1	.0	32.0	
27. 0	193nbL	1174.0	719.0	1073.0	970.0	*	271.	338. AG	185.	3.1	.0	32.0	
28. 0	193nbLQ	1100.0	903.0	1124.3	843.0	*	65.	158. AG	48.	100.0	.0	12.0	.24 3.3
29. 0	193sbD	1024.0	971.0	1100.0	760.0	*	224.	160. AG	1170.	3.1	.0	56.0	
30. 0	193sbD	1100.0	760.0	1153.0	636.0	*	135.	157. AG	1170.	3.1	.0	56.0	
31. 0	193sbD	1153.0	636.0	1241.0	492.0	*	169.	149. AG	1170.	3.1	.0	56.0	
32. 0	193sbD	1241.0	492.0	1482.0	130.0	*	435.	146. AG	1170.	3.1	.0	56.0	
33. 0	193sbD	1482.0	130.0	1539.0	19.0	*	125.	153. AG	1170.	3.1	.0	56.0	
34. 0	320ebAP	15.0	586.0	227.0	645.0	*	220.	74. AG	1765.	3.0	.0	44.0	
35. 0	320ebAP	227.0	645.0	656.0	793.0	*	454.	71. AG	1765.	3.0	.0	44.0	
36. 0	320ebTR	655.0	793.0	1087.0	947.0	*	459.	70. AG	1550.	3.0	.0	44.0	
37. 0	320ebTRQ	1008.0	919.0	-1196.9	137.0	*	2339.	250. AG	110.	100.0	.0	24.0	1.32 118.8
38. 0	320ebL	644.0	808.0	1071.0	958.0	*	453.	71. AG	215.	3.0	.0	32.0	
39. 0	320ebLQ	1004.0	934.0	738.3	841.0	*	281.	251. AG	76.	100.0	.0	12.0	1.04 14.3
40. 0	320wbD	1055.0	999.0	551.0	821.0	*	535.	251. AG	2360.	3.1	.0	44.0	
41. 0	320wbD	551.0	821.0	230.0	708.0	*	340.	251. AG	2360.	3.1	.0	44.0	
42. 0	320wbD	230.0	708.0	14.0	651.0	*	223.	255. AG	2360.	3.1	.0	44.0	

JOB: PurpleLine S9 LowLRT2015AM  
 DATE: 12/19/2007 TIME: 09:21:08.11

RUN: PurpleLine S9 LowLRT2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. 0	193sbTRq	120	68	2.0	1315	1673	33.40	1	3
9. 0	193sbLq	120	69	2.0	25	1770	33.40	1	3
16. 0	230wbTRq	120	73	2.0	1715	1692	33.40	1	3
18. 0	230wbLq	120	101	2.0	205	1770	33.40	1	3
24. 0	193nbTRQ	120	63	2.0	510	1669	33.40	1	3
28. 0	193nbLQ	120	64	2.0	185	1770	33.40	1	3
37. 0	320ebTRQ	120	74	2.0	1550	1674	33.40	1	3
39. 0	320ebLQ	120	102	2.0	215	1770	33.40	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*

13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 LowLRT2015AM

RUN: PurpleLine S9 LowLRT2015AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
5.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.3	.4	.3	.0	.0
10.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.5	.4	.0	.0
15.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.0	.0
20.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.1	.2	.6	.4	.1	.0
25.	*	.1	.1	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
30.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.7	.4	.1	.0
35.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.1	.1
40.	*	.1	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.1	.1
45.	*	.1	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.1	.2
50.	*	.1	.1	.3	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
55.	*	.1	.1	.3	.7	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
60.	*	.1	.1	.3	.6	.5	.5	.5	.1	.1	.0	.0	.0	.0	.1	.1	.5	.3	.2	.3
65.	*	.1	.1	.3	.5	.5	.5	.5	.2	.2	.1	.0	.0	.0	.1	.1	.5	.3	.3	.3
70.	*	.1	.1	.3	.5	.6	.6	.6	.2	.2	.2	.0	.0	.0	.1	.1	.5	.4	.4	.4
75.	*	.1	.1	.1	.5	.6	.6	.6	.4	.4	.4	.1	.0	.0	.1	.1	.5	.3	.4	.4
80.	*	.1	.1	.1	.5	.6	.5	.5	.5	.5	.5	.1	.0	.0	.1	.1	.5	.6	.4	.4
85.	*	.0	.1	.1	.4	.5	.5	.5	.8	.8	.8	.3	.1	.0	.1	.1	.6	.8	.6	.6
90.	*	.0	.0	.1	.3	.5	.5	.5	.9	.9	.9	.4	.1	.1	.0	.1	.3	.6	.7	.5
95.	*	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	.4	.1	.1	.1	.2	.3	.6	.7	.5
100.	*	.0	.0	.0	.0	.2	.2	.2	.9	.9	.9	.6	.1	.1	.1	.2	.3	.7	.7	.6
105.	*	.0	.0	.0	.0	.1	.1	.1	.9	.9	.9	.6	.2	.1	.1	.2	.4	.7	.6	.6
110.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.2	.1	.1	.2	.4	.8	.5	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.2	.1	.1	.2	.4	.8	.3	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.5	.1	.1	.1	.2	.5	.8	.3	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.5	.1	.1	.1	.2	.5	.8	.3	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.7	.9	.4	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.4	.7	.7	.4	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.6	.7	.4	.5
145.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.1	.1	.1	.3	.7	.7	.4	.5
150.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.1	.1	.1	.4	.7	.6	.4	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.4	.1	.1	.0	.4	.6	.7	.4	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.3	.1	.0	.0	.4	.6	.5	.5	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.4	.0	.0	.0	.4	.5	.4	.5	.6
170.	*	.0	.1	.0	.0	.0	.0	.0	.6	.6	.7	.3	.1	.1	.0	.3	.4	.4	.5	.5
175.	*	.0	.1	.0	.1	.0	.0	.0	.6	.6	.7	.4	.1	.2	.1	.2	.4	.3	.5	.5
180.	*	.0	.1	.1	.1	.0	.0	.0	.6	.6	.7	.4	.1	.2	.1	.2	.3	.4	.5	.5
185.	*	.0	.1	.1	.1	.0	.0	.0	.6	.6	.7	.3	.1	.2	.1	.1	.4	.2	.5	.5
190.	*	.0	.1	.1	.2	.0	.0	.0	.6	.6	.7	.2	.2	.3	.2	.1	.2	.2	.5	.5
195.	*	.0	.0	.1	.2	.0	.0	.0	.6	.6	.7	.2	.4	.4	.2	.1	.2	.2	.5	.6
200.	*	.0	.0	.1	.2	.0	.0	.0	.6	.6	.7	.2	.4	.6	.3	.1	.2	.2	.5	.7
205.	*	.0	.0	.1	.3	.0	.0	.0	.6	.6	.7	.2	.6	.6	.4	.1	.2	.2	.5	.7

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JOB: PurpleLine S9 LowLRT2015AM

RUN: PurpleLine S9 LowLRT2015AM

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## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.0	.1	.3	.0	.0	.0	.6	.6	.8	.2	.6	.6	.3	.1	.2	.2	.5	.7
215.	*	.1	.0	.0	.3	.0	.0	.0	.7	.8	.9	.4	.6	.6	.3	.1	.2	.2	.6	.7
220.	*	.1	.0	.0	.3	.0	.0	.0	.7	.9	.9	.4	.6	.5	.2	.1	.2	.2	.6	.7
225.	*	.0	.0	.0	.3	.0	.0	.0	.7	.9	.9	.4	.6	.4	.3	.1	.1	.2	.7	.7
230.	*	.0	.0	.0	.3	.1	.0	.0	.7	.9	.9	.4	.6	.4	.3	.1	.1	.2	.7	.7
235.	*	.1	.0	.0	.4	.1	.0	.0	.8	1.0	.9	.6	.6	.3	.3	.1	.1	.2	.6	.7
240.	*	.1	.1	.0	.5	.2	.0	.0	.9	.9	.9	.6	.5	.2	.2	.1	.1	.1	.4	.6
245.	*	.1	.1	.1	.4	.2	.1	.1	1.0	.9	1.1	.6	.5	.1	.1	.0	.1	.1	.4	.5
250.	*	.1	.1	.2	.6	.2	.1	.2	1.2	1.1	1.1	.5	.4	.1	.1	.0	.0	.1	.3	.4
255.	*	.0	.1	.1	.6	.4	.2	.2	1.0	1.1	.9	.4	.4	.0	.2	.0	.0	.0	.2	.3
260.	*	.1	.1	.2	.6	.5	.2	.2	1.1	.9	.8	.4	.4	.0	.2	.0	.0	.0	.1	.3

265.	*	.1	.1	.2	.6	.4	.3	.2	.8	.8	.6	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
270.	*	.1	.1	.2	.6	.4	.4	.4	.6	.5	.5	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
275.	*	.2	.1	.3	.4	.3	.6	.3	.4	.5	.4	.3	.3	.1	.2	.0	.0	.0	.0	.1	.1
280.	*	.2	.1	.5	.4	.3	.5	.5	.2	.4	.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
285.	*	.2	.2	.6	.3	.6	.5	.6	.2	.3	.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
290.	*	.2	.2	.6	.3	.6	.6	.6	.1	.1	.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
295.	*	.2	.2	.6	.2	.6	.7	.5	.0	.1	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0
300.	*	.2	.2	.3	.3	.6	.7	.5	.0	.0	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.4	.3	.6	.6	.5	.0	.0	.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
310.	*	.0	.1	.3	.3	.7	.6	.5	.0	.0	.0	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
315.	*	.0	.2	.4	.4	.7	.7	.5	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
320.	*	.0	.2	.4	.3	.6	.5	.5	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
325.	*	.0	.2	.4	.3	.6	.5	.5	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
330.	*	.0	.3	.3	.4	.6	.5	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.0	.2	.3	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
340.	*	.0	.1	.1	.5	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.1	.0	.0	.0
345.	*	.0	.0	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.0	.0	.0
350.	*	.0	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.0
355.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.2	.0	.0
360.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
-----																					
MAX	*	.2	.3	.6	.7	.7	.6	1.2	1.1	1.1	.6	.6	.6	.4	.4	.7	.9	.8	.7	.8	
DEGR.	*	275	330	285	55	25	295	70	250	250	245	100	205	200	205	135	130	130	85	200	90

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JOB: PurpleLine S9 LowLRT2015AM

RUN: PurpleLine S9 LowLRT2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.6	.6	.6	.5	.2	.1	.1
5.	.0	.6	.6	.7	.6	.2	.2	.1
10.	.0	.7	.7	.8	.6	.1	.3	.1
15.	.0	.7	.7	.8	.6	.1	.3	.1
20.	.0	.7	.8	.8	.5	.1	.4	.2
25.	.0	.7	.9	.8	.2	.2	.4	.2
30.	.0	.8	.9	.8	.2	.3	.4	.2
35.	.0	.9	.9	.9	.2	.3	.3	.2
40.	.0	.9	.9	.7	.4	.3	.2	.2
45.	.1	.9	.9	.7	.5	.3	.2	.2
50.	.2	.8	.8	.7	.5	.4	.2	.2
55.	.2	.8	.8	.7	.5	.4	.2	.2
60.	.3	.7	.7	.5	.6	.4	.2	.2
65.	.2	.7	.7	.5	.3	.5	.2	.2
70.	.4	.6	.5	.5	.6	.5	.2	.2
75.	.4	.4	.3	.4	.6	.2	.2	.2
80.	.7	.3	.3	.4	.5	.2	.2	.2
85.	.8	.3	.3	.2	.4	.2	.2	.1
90.	.8	.2	.2	.1	.3	.2	.1	.1
95.	.7	.0	.0	.0	.3	.1	.1	.1
100.	.6	.0	.0	.0	.2	.1	.1	.1
105.	.7	.0	.0	.0	.2	.1	.1	.1
110.	.7	.0	.0	.0	.1	.1	.1	.2
115.	.7	.0	.0	.0	.1	.1	.1	.2
120.	.7	.0	.0	.0	.1	.1	.1	.2
125.	.6	.0	.0	.0	.1	.1	.1	.2
130.	.5	.0	.0	.0	.1	.1	.1	.2
135.	.5	.0	.0	.0	.1	.2	.1	.2
140.	.5	.0	.0	.0	.1	.2	.1	.2
145.	.5	.0	.0	.0	.1	.2	.1	.2
150.	.5	.0	.0	.0	.0	.2	.1	.2
155.	.5	.0	.0	.0	.0	.2	.1	.2
160.	.6	.0	.0	.0	.0	.1	.1	.1
165.	.5	.0	.0	.0	.0	.0	.1	.0
170.	.4	.0	.0	.0	.0	.0	.0	.0
175.	.4	.0	.0	.0	.0	.0	.0	.0
180.	.4	.0	.0	.0	.0	.0	.0	.0
185.	.4	.0	.0	.0	.0	.0	.0	.0
190.	.4	.0	.0	.0	.0	.0	.0	.0
195.	.5	.0	.0	.0	.0	.0	.0	.0
200.	.6	.0	.0	.0	.0	.0	.0	.0
205.	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 LowLRT2015AM

RUN: PurpleLine S9 LowLRT2015AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.5	.0	.0	.0	.0	.0	.0	.0



215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.6	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.1	.1	.1	.0	.0	.0	.0
235.	*	.7	.1	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.4	.4	.3	.1	.0	.0
250.	*	.4	.6	.7	.6	.3	.1	.0	.0
255.	*	.4	.7	.7	.7	.4	.1	.1	.0
260.	*	.2	.8	.9	.9	.6	.1	.1	.1
265.	*	.1	.9	.9	.9	.6	.2	.1	.1
270.	*	.1	1.0	.9	.9	.7	.2	.1	.1
275.	*	.1	.8	.8	.8	.7	.3	.1	.1
280.	*	.0	.7	.8	.8	.7	.3	.1	.1
285.	*	.0	.7	.8	.8	.6	.3	.1	.1
290.	*	.0	.7	.8	.8	.6	.4	.1	.1
295.	*	.0	.7	.8	.8	.6	.4	.2	.1
300.	*	.0	.6	.7	.7	.6	.4	.2	.1
305.	*	.0	.6	.7	.7	.5	.4	.2	.1
310.	*	.0	.6	.7	.7	.5	.4	.2	.1
315.	*	.0	.6	.7	.6	.5	.4	.2	.1
320.	*	.0	.6	.6	.6	.5	.4	.2	.1
325.	*	.0	.6	.6	.6	.5	.3	.2	.2
330.	*	.0	.7	.7	.7	.5	.4	.2	.1
335.	*	.0	.7	.7	.7	.5	.4	.1	.1
340.	*	.0	.7	.7	.7	.5	.5	.1	.2
345.	*	.0	.7	.7	.7	.6	.4	.2	.2
350.	*	.0	.7	.7	.7	.7	.4	.2	.2
355.	*	.0	.6	.6	.6	.7	.3	.2	.2
360.	*	.0	.6	.6	.6	.5	.2	.1	.1
-----									
MAX	*	.8	1.0	.9	.9	.7	.5	.4	.2
DEGR.	*	85	270	25	35	270	65	20	20

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 245 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .

PurpleLine	S9	LowLRT2015PM				60.0321.0.0000.000280.30480000			1	1
SE MID S		1256.		672.		5.0				
SE 164 S		1220.		746.		5.0				
SE 82 S		1189.		822.		5.0				
SE CNR		1162.		921.		5.0				
SE 82 E		1254.		939.		5.0				
SE 164 E		1335.		942.		5.0				
SE MID E		1417.		946.		5.0				
NE MID E		1398.		1028.		5.0				
NE 164 E		1316.		1025.		5.0				
NE 82 E		1235.		1022.		5.0				
NE CNR		1120.		1053.		5.0				
NE 82 N		1079.		1172.		5.0				
NE 164 N		1064.		1255.		5.0				
NE MID N		1060.		1337.		5.0				
NW MID N		953.		1280.		5.0				
NW 164 N		963.		1200.		5.0				
NW 82 N		977.		1118.		5.0				
NW CNR		974.		1010.		5.0				
NW 82 W		877.		962.		5.0				
NW 164 W		801.		934.		5.0				
NW MID W		723.		907.		5.0				
SW MID W		768.		808.		5.0				
SW 164 W		845.		836.		5.0				
SW 82 W		922.		863.		5.0				
SW CNR		1005.		876.		5.0				
SW 82 S		1051.		806.		5.0				
SW 164 S		1082.		729.		5.0				
SW MID S		1116.		655.		5.0				
PurpleLine	S9	LowLRT2015PM		42	1	0				
0	1	193nbD	AG	1085.	969.	1036.	1255.	1155	3.1	0 56 30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	1155	3.1	0 56 30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	1155	3.1	0 56 30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	765	3.2	0 56 30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	765	3.2	0 56 30.
0	2	193sbTR	AG	983.	1246.	1032.	974.	700	3.2	0 56 30.
0	1	193sbTRq	AG	1023.	1026.	983.	1243.	0.	36	3
0	2	120	88	2.0	700	33.4	1702	1	3	
0	1	193sbL	AG	1003.	1238.	1054.	980.	65	3.2	0 56 30.
0	1	193sbLq	AG	1044.	1032.	1005.	1229.	0.	12	1
0	2	120	85	2.0	65	33.4	1770	1	3	
0	1	320ebD	AG	1055.	945.	1146.	959.	2160	3.0	0 44 30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	2160	3.0	0 44 30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	2160	3.0	0 44 30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	2215	3.1	0 44 30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	2215	3.1	0 44 30.
0	2	320wbTR	AG	1283.	1003.	1068.	995.	1945	3.1	0 44 30.
0	1	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2
0	2	120	65	2.0	1945	33.4	1688	1	3	
0	1	320wbL	AG	1278.	988.	1070.	982.	270	3.1	0 32 30.
0	1	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1
0	2	120	97	2.0	270	33.4	1770	1	3	
0	1	193nbAP	AG	1623.	20.	1546.				

0		193sbD	AG	1100.	760.	1153.	636.	1005	3.2	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1005	3.2	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1005	3.2	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1005	3.2	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	2320	3.0	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	2320	3.0	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	2075	3.0	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
		120	65	2.0	2075	33.4	1669	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	245	3.0	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
		120	97	2.0	245	33.4	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2215	3.1	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2215	3.1	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2215	3.1	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 LowLRT2015PM  
 DATE: 12/19/2007 TIME: 09:27:58.13

RUN: PurpleLine S9 LowLRT2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	1155.	3.1	.0	56.0	
2. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	1155.	3.1	.0	56.0	
3. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	1155.	3.1	.0	56.0	
4. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	765.	3.2	.0	56.0	
5. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	765.	3.2	.0	56.0	
6. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	700.	3.2	.0	56.0	
7. 0	193sbTRq	1023.0	1026.0	1002.7	1136.3	*	112.	350. AG	197.	100.0	.0	36.0	.59 5.7
8. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	65.	3.2	.0	56.0	
9. 0	193sbLq	1044.0	1032.0	1038.1	1061.6	*	30.	349. AG	63.	100.0	.0	12.0	.14 1.5
10. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	2160.	3.0	.0	44.0	
11. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	2160.	3.0	.0	44.0	
12. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	2160.	3.0	.0	44.0	
13. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2215.	3.1	.0	44.0	
14. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2215.	3.1	.0	44.0	
15. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1945.	3.1	.0	44.0	
16. 0	230wbTRq	1129.0	997.0	4158.4	1116.6	*	3032.	88. AG	97.	100.0	.0	24.0	1.36 154.0
17. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	270.	3.1	.0	32.0	
18. 0	230wbLq	1132.0	984.0	1336.0	989.8	*	204.	88. AG	72.	100.0	.0	12.0	.96 10.4
19. 0	193nbAP	1623.0	20.0	1546.0	163.0	*	162.	332. AG	1400.	3.1	.0	56.0	
20. 0	193nbAP	1546.0	163.0	1360.0	444.0	*	337.	326. AG	1400.	3.1	.0	56.0	
21. 0	193nbTR	1359.0	444.0	1250.0	622.0	*	209.	329. AG	1090.	3.1	.0	56.0	
22. 0	193nbTR	1250.0	622.0	1195.0	729.0	*	120.	333. AG	1090.	3.1	.0	56.0	
23. 0	193nbTR	1195.0	729.0	1080.0	1009.0	*	303.	338. AG	1090.	3.1	.0	56.0	
24. 0	193nbTRQ	1121.0	910.0	1178.8	768.5	*	153.	158. AG	172.	100.0	.0	36.0	.66 7.8
25. 0	193nbL	1336.0	441.0	1246.0	585.0	*	170.	328. AG	310.	3.1	.0	32.0	
26. 0	193nbL	1246.0	585.0	1174.0	719.0	*	152.	332. AG	310.	3.1	.0	32.0	
27. 0	193nbL	1174.0	719.0	1073.0	970.0	*	271.	338. AG	310.	3.1	.0	32.0	
28. 0	193nbLQ	1100.0	903.0	1145.1	791.4	*	120.	158. AG	53.	100.0	.0	12.0	.47 6.1
29. 0	193sbD	1024.0	971.0	1100.0	760.0	*	224.	160. AG	1005.	3.2	.0	56.0	
30. 0	193sbD	1100.0	760.0	1153.0	636.0	*	135.	157. AG	1005.	3.2	.0	56.0	
31. 0	193sbD	1153.0	636.0	1241.0	492.0	*	169.	149. AG	1005.	3.2	.0	56.0	
32. 0	193sbD	1241.0	492.0	1482.0	130.0	*	435.	146. AG	1005.	3.2	.0	56.0	
33. 0	193sbD	1482.0	130.0	1539.0	19.0	*	125.	153. AG	1005.	3.2	.0	56.0	
34. 0	320ebAP	15.0	586.0	227.0	645.0	*	220.	74. AG	2320.	3.0	.0	44.0	
35. 0	320ebAP	227.0	645.0	656.0	793.0	*	454.	71. AG	2320.	3.0	.0	44.0	
36. 0	320ebTR	655.0	793.0	1087.0	947.0	*	459.	70. AG	2075.	3.0	.0	44.0	
37. 0	320ebTRQ	1008.0	919.0	-2560.5	-346.6	*	3786.	250. AG	97.	100.0	.0	24.0	1.46 192.3
38. 0	320ebL	644.0	808.0	1071.0	958.0	*	453.	71. AG	245.	3.0	.0	32.0	
39. 0	320ebLQ	1004.0	934.0	855.3	881.9	*	158.	251. AG	72.	100.0	.0	12.0	.88 8.0
40. 0	320wbD	1055.0	999.0	551.0	821.0	*	535.	251. AG	2215.	3.1	.0	44.0	
41. 0	320wbD	551.0	821.0	230.0	708.0	*	340.	251. AG	2215.	3.1	.0	44.0	
42. 0	320wbD	230.0	708.0	14.0	651.0	*	223.	255. AG	2215.	3.1	.0	44.0	

JOB: PurpleLine S9 LowLRT2015PM  
 DATE: 12/19/2007 TIME: 09:27:58.13

RUN: PurpleLine S9 LowLRT2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. 0	193sbTRq	120	88	2.0	700	1702	33.40	1	3
9. 0	193sbLq	120	85	2.0	65	1770	33.40	1	3
16. 0	230wbTRq	120	65	2.0	1945	1688	33.40	1	3
18. 0	230wbLq	120	97	2.0	270	1770	33.40	1	3
24. 0	193nbTRQ	120	77	2.0	1090	1707	33.40	1	3
28. 0	193nbLQ	120	71	2.0	310	1770	33.40	1	3
37. 0	320ebTRQ	120	65	2.0	2075	1669	33.40	1	3
39. 0	320ebLQ	120	97	2.0	245	1770	33.40	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*

13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 LowLRT2015PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0
5.	*	.0	.2	.3	.5	.5	.4	.4	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0
10.	*	.0	.2	.3	.5	.5	.4	.4	.0	.0	.0	.0	.1	.1	.2	.2	.2	.3	.0	.0
15.	*	.0	.2	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.0	.0
20.	*	.1	.2	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4	.0	.0
25.	*	.1	.2	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.5	.1	.0
30.	*	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.1	.0
35.	*	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.3	.6	.1	.0
40.	*	.1	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.6	.1	.1
45.	*	.1	.3	.3	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.1	.4	.6	.1	.2
50.	*	.1	.3	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.5	.5	.2	.2
55.	*	.1	.3	.3	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.5	.5	.2	.2
60.	*	.1	.3	.3	.7	.8	.7	.7	.1	.1	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
65.	*	.1	.2	.3	.6	.7	.7	.7	.2	.2	.0	.0	.0	.0	.2	.1	.6	.5	.3	.3
70.	*	.1	.1	.3	.6	.7	.7	.7	.2	.2	.3	.0	.0	.0	.2	.2	.7	.5	.4	.5
75.	*	.1	.1	.3	.5	.7	.7	.6	.4	.4	.4	.1	.0	.0	.2	.2	.7	.5	.4	.4
80.	*	.0	.1	.2	.5	.6	.6	.6	.6	.6	.7	.2	.0	.0	.2	.2	.7	.6	.5	.5
85.	*	.0	.0	.1	.5	.6	.6	.6	.7	.7	.2	.0	.0	.0	.2	.2	.8	.9	.6	.6
90.	*	.0	.0	.0	.3	.5	.4	.4	.9	.9	.8	.4	.1	.0	.2	.3	.8	.8	.6	.8
95.	*	.0	.0	.0	.2	.4	.3	.3	1.0	1.0	.8	.4	.1	.1	.2	.3	1.0	.6	.6	.8
100.	*	.0	.0	.0	.1	.2	.1	.2	1.1	1.1	1.2	.5	.2	.1	.2	.3	1.1	.4	.7	.7
105.	*	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	1.2	.6	.2	.1	.2	.3	1.1	.6	.7	.7
110.	*	.0	.0	.0	.0	.1	.1	.1	1.0	1.1	.6	.3	.1	.1	.2	.4	1.0	.6	.7	.7
115.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.6	.3	.2	.1	.2	.4	1.1	.5	.7
120.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.3	.2	.1	.2	.4	1.1	.6	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.2	.1	.1	.3	.4	1.1	.6	.5
130.	*	.0	.0	.0	.0	.0	.0	.0	.8	.7	.8	.5	.2	.1	.1	.3	.4	1.0	.6	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.1	.1	.3	.3	1.0	.5	.4
140.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.1	.1	.1	.4	.8	.5	.4
145.	*	.1	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.2	.1	.0	.3	.4	.8	.5	.4
150.	*	.1	.1	.0	.0	.0	.0	.0	.6	.7	.7	.4	.2	.1	.0	.3	.5	.7	.5	.4
155.	*	.2	.1	.1	.1	.0	.0	.0	.6	.7	.7	.5	.2	.1	.0	.3	.5	.8	.4	.5
160.	*	.2	.1	.2	.1	.0	.0	.0	.6	.7	.7	.5	.3	.1	.0	.2	.4	.7	.5	.4
165.	*	.2	.1	.2	.3	.0	.0	.0	.6	.7	.7	.5	.2	.2	.0	.2	.3	.5	.4	.5
170.	*	.2	.1	.3	.4	.0	.0	.0	.6	.7	.7	.5	.2	.2	.1	.2	.3	.5	.5	.4
175.	*	.2	.1	.3	.4	.0	.0	.0	.6	.7	.7	.6	.2	.2	.3	.1	.3	.3	.5	.4
180.	*	.2	.1	.4	.5	.0	.0	.0	.6	.7	.7	.4	.2	.3	.3	.1	.2	.4	.5	.4
185.	*	.2	.1	.4	.5	.0	.0	.0	.6	.7	.8	.4	.3	.3	.3	.0	.2	.3	.5	.4
190.	*	.1	.1	.4	.5	.0	.0	.0	.6	.7	.8	.4	.3	.3	.3	.0	.2	.3	.5	.4
195.	*	.1	.1	.5	.6	.1	.0	.0	.6	.7	.8	.4	.3	.4	.3	.0	.2	.3	.5	.4
200.	*	.1	.1	.5	.6	.1	.0	.0	.6	.7	.8	.5	.4	.4	.2	.1	.2	.3	.5	.4
205.	*	.1	.1	.5	.6	.1	.0	.0	.6	.8	.8	.5	.6	.4	.2	.1	.2	.3	.5	.5

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JOB: PurpleLine S9 LowLRT2015PM

RUN: PurpleLine S9 LowLRT2015PM

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## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.1	.6	.6	.1	.0	.0	.6	.8	.8	.5	.6	.4	.2	.1	.2	.3	.5	.5
215.	*	.1	.1	.6	.6	.2	.0	.0	.7	.8	.8	.5	.7	.4	.2	.1	.2	.2	.5	.5
220.	*	.1	.1	.6	.6	.2	.1	.0	.8	.9	.8	.5	.6	.3	.2	.1	.1	.2	.5	.6
225.	*	.1	.1	.6	.6	.2	.1	.0	.8	.9	.8	.5	.5	.2	.2	.1	.1	.2	.4	.6
230.	*	.1	.1	.6	.6	.2	.1	.0	.9	1.0	.9	.5	.5	.2	.2	.1	.1	.2	.5	.6
235.	*	.1	.2	.6	.5	.2	.1	.1	1.0	1.0	1.1	.5	.5	.2	.2	.1	.1	.2	.5	.7
240.	*	.1	.1	.6	.5	.3	.1	.1	1.1	1.1	1.1	.6	.4	.2	.2	.1	.1	.1	.4	.6
245.	*	.1	.1	.6	.6	.2	.2	.2	1.1	1.2	1.1	.6	.3	.2	.1	.0	.1	.1	.3	.6
250.	*	.1	.1	.8	.6	.3	.3	.3	1.1	1.2	1.1	.4	.3	.1	.1	.0	.0	.1	.2	.4
255.	*	.1	.2	.8	.6	.4	.3	.3	1.1	1.1	1.0	.4	.2	.1	.1	.0	.0	.0	.2	.3
260.	*	.2	.2	.8	.7	.5	.4	.3	1.0	.9	.8	.5	.2	.1	.1	.0	.0	.0	.1	.3

265.	*	.2	.2	.8	.6	.5	.6	.3	.9	.8	.7	.4	.1	.2	.1	.0	.0	.0	.0	.1	.1
270.	*	.2	.2	.9	.6	.6	.5	.5	.6	.5	.5	.3	.1	.2	.1	.0	.0	.0	.0	.1	.1
275.	*	.2	.3	.9	.6	.6	.6	.6	.5	.4	.4	.3	.1	.1	.1	.0	.0	.0	.0	.1	.1
280.	*	.2	.3	1.0	.5	.5	.6	.6	.2	.4	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
285.	*	.2	.3	1.0	.4	.6	.6	.7	.2	.3	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
290.	*	.2	.4	1.0	.4	.6	.7	.8	.1	.1	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
295.	*	.2	.4	1.0	.4	.6	.7	.8	.1	.0	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
300.	*	.1	.5	1.0	.5	.6	.8	.7	.0	.0	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
305.	*	.2	.4	.9	.5	.6	.7	.6	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
310.	*	.2	.5	.7	.4	.6	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
315.	*	.3	.5	.7	.5	.5	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
320.	*	.4	.6	.7	.5	.6	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
325.	*	.4	.5	.6	.6	.6	.6	.5	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
330.	*	.4	.5	.5	.5	.6	.6	.5	.0	.0	.0	.1	.2	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.4	.4	.4	.6	.5	.6	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
340.	*	.2	.3	.3	.6	.5	.5	.4	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
345.	*	.1	.3	.3	.5	.5	.5	.4	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0
350.	*	.1	.2	.3	.4	.5	.5	.4	.0	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.0	.0
355.	*	.0	.2	.3	.4	.5	.5	.5	.0	.0	.0	.0	.2	.1	.1	.1	.0	.1	.1	.0	.0
360.	*	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0
MAX	*	.4	.6	1.0	.7	.8	.8	.8	1.1	1.2	1.2	.6	.7	.4	.3	.3	.5	1.1	.9	.7	.8
DEGR.	*	320	320	280	55	60	300	290	100	245	100	105	215	195	175	125	150	100	85	100	90

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JOB: PurpleLine S9 LowLRT2015PM

RUN: PurpleLine S9 LowLRT2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.6	.6	.7	.5	.3	.2	.2
5.	.0	.6	.6	.8	.5	.3	.2	.3
10.	.0	.6	.7	.8	.6	.1	.2	.4
15.	.0	.6	.7	.8	.7	.1	.2	.4
20.	.0	.6	.7	.8	.6	.1	.5	.4
25.	.0	.6	.8	.8	.3	.2	.6	.2
30.	.0	.7	.9	.8	.3	.4	.6	.3
35.	.0	.7	.9	.9	.5	.3	.4	.3
40.	.0	.8	.9	.9	.5	.4	.5	.3
45.	.0	.8	.9	.8	.5	.5	.5	.2
50.	.1	.8	.8	.8	.5	.5	.5	.2
55.	.2	.8	.8	.7	.5	.6	.5	.2
60.	.3	.8	.8	.6	.6	.7	.5	.2
65.	.3	.8	.7	.6	.7	.7	.4	.2
70.	.4	.5	.6	.5	.5	.7	.3	.2
75.	.4	.5	.6	.7	.5	.6	.3	.2
80.	.6	.4	.5	.4	.5	.5	.2	.1
85.	.6	.4	.4	.4	.4	.4	.1	.1
90.	.6	.3	.3	.3	.5	.3	.1	.1
95.	.6	.0	.1	.1	.3	.3	.1	.1
100.	.5	.0	.1	.1	.3	.3	.1	.1
105.	.5	.0	.0	.1	.3	.2	.1	.1
110.	.5	.0	.0	.1	.3	.2	.1	.2
115.	.5	.0	.0	.1	.3	.2	.1	.2
120.	.5	.0	.0	.0	.2	.2	.1	.2
125.	.4	.0	.0	.0	.2	.1	.1	.2
130.	.4	.0	.0	.0	.2	.1	.1	.2
135.	.4	.0	.0	.0	.1	.2	.1	.2
140.	.4	.0	.0	.0	.1	.2	.1	.2
145.	.4	.0	.0	.0	.1	.2	.1	.2
150.	.4	.0	.0	.0	.0	.2	.1	.2
155.	.4	.0	.0	.0	.0	.1	.1	.1
160.	.4	.0	.0	.0	.0	.0	.1	.0
165.	.4	.0	.0	.0	.0	.0	.1	.0
170.	.4	.0	.0	.0	.0	.0	.0	.0
175.	.4	.0	.0	.0	.0	.0	.0	.0
180.	.4	.0	.0	.0	.0	.0	.0	.0
185.	.4	.0	.0	.0	.0	.0	.0	.0
190.	.4	.0	.0	.0	.0	.0	.0	.0
195.	.4	.0	.0	.0	.0	.0	.0	.0
200.	.4	.0	.0	.0	.0	.0	.0	.0
205.	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 LowLRT2015PM

RUN: PurpleLine S9 LowLRT2015PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.6	.0	.0	.0	.0	.0	.0	.0

215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.6	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.1	.2	.2	.0	.0	.0	.0
235.	*	.7	.2	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.6	.5	.3	.1	.0	.0
250.	*	.5	.6	.6	.6	.3	.1	.1	.0
255.	*	.4	.7	.7	.8	.4	.1	.1	.1
260.	*	.2	.8	.8	.9	.6	.1	.1	.1
265.	*	.1	.8	.9	.8	.6	.1	.1	.1
270.	*	.1	.9	.8	.8	.7	.2	.1	.1
275.	*	.0	.8	.8	.8	.7	.2	.1	.1
280.	*	.0	.7	.8	.9	.7	.3	.1	.1
285.	*	.0	.6	.7	.8	.6	.3	.1	.1
290.	*	.0	.6	.7	.8	.6	.3	.1	.1
295.	*	.0	.6	.6	.7	.6	.3	.2	.1
300.	*	.0	.6	.6	.7	.6	.3	.2	.1
305.	*	.0	.6	.6	.7	.6	.3	.3	.1
310.	*	.0	.6	.6	.7	.6	.3	.2	.1
315.	*	.0	.6	.6	.7	.6	.3	.2	.1
320.	*	.0	.6	.6	.7	.6	.3	.2	.1
325.	*	.0	.6	.6	.7	.6	.3	.2	.0
330.	*	.0	.6	.6	.7	.6	.3	.3	.1
335.	*	.0	.6	.6	.7	.6	.4	.2	.1
340.	*	.0	.6	.6	.7	.6	.4	.1	.1
345.	*	.0	.6	.6	.7	.7	.4	.2	.2
350.	*	.0	.6	.6	.7	.7	.3	.2	.2
355.	*	.0	.6	.6	.7	.6	.3	.2	.2
360.	*	.0	.6	.6	.7	.5	.3	.2	.2
-----									
MAX	*	.7	.9	.9	.9	.7	.7	.6	.4
DEGR.	*	235	270	30	35	15	60	25	10

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 245 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 100 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 100 DEGREES FROM REC8 .

PurpleLine	S9 HighLRT2015AM				60.0321.0.0000.000280.30480000			1	1			
SE MID S		1256.		672.	5.0							
SE 164 S		1220.		746.	5.0							
SE 82 S		1189.		822.	5.0							
SE CNR		1162.		921.	5.0							
SE 82 E		1254.		939.	5.0							
SE 164 E		1335.		942.	5.0							
SE MID E		1417.		946.	5.0							
NE MID E		1398.		1028.	5.0							
NE 164 E		1316.		1025.	5.0							
NE 82 E		1235.		1022.	5.0							
NE CNR		1120.		1053.	5.0							
NE 82 N		1079.		1172.	5.0							
NE 164 N		1064.		1255.	5.0							
NE MID N		1060.		1337.	5.0							
NW MID N		953.		1280.	5.0							
NW 164 N		963.		1200.	5.0							
NW 82 N		977.		1118.	5.0							
NW CNR		974.		1010.	5.0							
NW 82 W		877.		962.	5.0							
NW 164 W		801.		934.	5.0							
NW MID W		723.		907.	5.0							
SW MID W		768.		808.	5.0							
SW 164 W		845.		836.	5.0							
SW 82 W		922.		863.	5.0							
SW CNR		1005.		876.	5.0							
SW 82 S		1051.		806.	5.0							
SW 164 S		1082.		729.	5.0							
SW MID S		1116.		655.	5.0							
PurpleLine	S9 HighLRT2015AM			42	1	0						
0	1	193nbD	AG	1085.	969.	1036.	1255.	550	3.1	0	56	30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	550	3.1	0	56	30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	550	3.1	0	56	30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	1340	3.1	0	56	30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	1340	3.1	0	56	30.
0	2	193sbTR	AG	983.	1246.	1032.	974.	1315	3.1	0	56	30.
0	1	193sbTRq	AG	1023.	1026.	983.	1243.	0.	36	3		
0	1	120	68	2.0	1315	33.4	1673	1	3			
0	2	193sbL	AG	1003.	1238.	1054.	980.	25	3.1	0	56	30.
0	1	193sbLq	AG	1044.	1032.	1005.	1229.	0.	12	1		
0	1	120	69	2.0	25	33.4	1770	1	3			
0	1	320ebD	AG	1055.	945.	1146.	959.	1640	3.0	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	1640	3.0	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	1640	3.0	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	1920	3.1	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	1920	3.1	0	44	30.
0	2	320wbTR	AG	1283.	1003.	1068.	995.	1715	3.1	0	44	30.
0	1	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
0	1	120	73	2.0	1715	33.4	1692	1	3			
0	2	320wbL	AG	1278.	988.	1070.	982.	205	3.1	0	32	30.
0	1	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
0	1	120	101	2.0	205	33.4	1770	1	3			



0		193sbD	AG	1100.	760.	1153.	636.	1170	3.1	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1170	3.1	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1170	3.1	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1170	3.1	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	1765	3.0	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	1765	3.0	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	1550	3.0	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
		120	74	2.0	1550	33.4	1674	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	215	3.0	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
		120	102	2.0	215	33.4	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2360	3.1	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2360	3.1	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2360	3.1	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 HighLRT2015AM  
 DATE: 12/19/2007 TIME: 09:44:14.21

RUN: PurpleLine S9 HighLRT2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	* 1085.0	969.0	1036.0	1255.0	*	290.	350. AG	550.	3.1	.0	56.0	
2. 0	193nbD	* 1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	550.	3.1	.0	56.0	
3. 0	193nbD	* 1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	550.	3.1	.0	56.0	
4. 0	193sbAP	* 953.0	1972.0	973.0	1408.0	*	564.	178. AG	1340.	3.1	.0	56.0	
5. 0	193sbAP	* 973.0	1408.0	986.0	1249.0	*	160.	175. AG	1340.	3.1	.0	56.0	
6. 0	193sbTR	* 983.0	1246.0	1032.0	974.0	*	276.	170. AG	1315.	3.1	.0	56.0	
7. 0	193sbTRq	* 1023.0	1026.0	993.5	1186.2	*	163.	350. AG	152.	100.0	.0	36.0	.65 8.3
8. 0	193sbL	* 1003.0	1238.0	1054.0	980.0	*	263.	169. AG	25.	3.1	.0	56.0	
9. 0	193sbLq	* 1044.0	1032.0	1042.2	1041.3	*	9.	349. AG	52.	100.0	.0	12.0	.04 .5
10. 0	320ebD	* 1055.0	945.0	1146.0	959.0	*	92.	81. AG	1640.	3.0	.0	44.0	
11. 0	320ebD	* 1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1640.	3.0	.0	44.0	
12. 0	320ebD	* 2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1640.	3.0	.0	44.0	
13. 0	320wbA	* 2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	1920.	3.1	.0	44.0	
14. 0	320wbA	* 2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	1920.	3.1	.0	44.0	
15. 0	320wbTR	* 1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1715.	3.1	.0	44.0	
16. 0	230wbTRq	* 1129.0	997.0	4108.4	1114.6	*	2982.	88. AG	109.	100.0	.0	24.0	1.41 151.5
17. 0	320wbL	* 1278.0	988.0	1070.0	982.0	*	208.	268. AG	205.	3.1	.0	32.0	
18. 0	230wbLq	* 1132.0	984.0	1286.4	988.4	*	154.	88. AG	75.	100.0	.0	12.0	.93 7.8
19. 0	193nbAP	* 1623.0	20.0	1546.0	163.0	*	162.	332. AG	695.	3.1	.0	56.0	
20. 0	193nbAP	* 1546.0	163.0	1360.0	444.0	*	337.	326. AG	695.	3.1	.0	56.0	
21. 0	193nbTR	* 1359.0	444.0	1250.0	622.0	*	209.	329. AG	510.	3.1	.0	56.0	
22. 0	193nbTR	* 1250.0	622.0	1195.0	729.0	*	120.	333. AG	510.	3.1	.0	56.0	
23. 0	193nbTR	* 1195.0	729.0	1080.0	1009.0	*	303.	338. AG	510.	3.1	.0	56.0	
24. 0	193nbTRQ	* 1121.0	910.0	1143.2	855.8	*	59.	158. AG	141.	100.0	.0	36.0	.23 3.0
25. 0	193nbL	* 1336.0	441.0	1246.0	585.0	*	170.	328. AG	185.	3.1	.0	32.0	
26. 0	193nbL	* 1246.0	585.0	1174.0	719.0	*	152.	332. AG	185.	3.1	.0	32.0	
27. 0	193nbL	* 1174.0	719.0	1073.0	970.0	*	271.	338. AG	185.	3.1	.0	32.0	
28. 0	193nbLQ	* 1100.0	903.0	1124.3	843.0	*	65.	158. AG	48.	100.0	.0	12.0	.24 3.3
29. 0	193sbD	* 1024.0	971.0	1100.0	760.0	*	224.	160. AG	1170.	3.1	.0	56.0	
30. 0	193sbD	* 1100.0	760.0	1153.0	636.0	*	135.	157. AG	1170.	3.1	.0	56.0	
31. 0	193sbD	* 1153.0	636.0	1241.0	492.0	*	169.	149. AG	1170.	3.1	.0	56.0	
32. 0	193sbD	* 1241.0	492.0	1482.0	130.0	*	435.	146. AG	1170.	3.1	.0	56.0	
33. 0	193sbD	* 1482.0	130.0	1539.0	19.0	*	125.	153. AG	1170.	3.1	.0	56.0	
34. 0	320ebAP	* 15.0	586.0	227.0	645.0	*	220.	74. AG	1765.	3.0	.0	44.0	
35. 0	320ebAP	* 227.0	645.0	656.0	793.0	*	454.	71. AG	1765.	3.0	.0	44.0	
36. 0	320ebTR	* 655.0	793.0	1087.0	947.0	*	459.	70. AG	1550.	3.0	.0	44.0	
37. 0	320ebTRQ	* 1008.0	919.0	-1196.9	137.0	*	2339.	250. AG	110.	100.0	.0	24.0	1.32 118.8
38. 0	320ebL	* 644.0	808.0	1071.0	958.0	*	453.	71. AG	215.	3.0	.0	32.0	
39. 0	320ebLQ	* 1004.0	934.0	738.3	841.0	*	281.	251. AG	76.	100.0	.0	12.0	1.04 14.3
40. 0	320wbD	* 1055.0	999.0	551.0	821.0	*	535.	251. AG	2360.	3.1	.0	44.0	
41. 0	320wbD	* 551.0	821.0	230.0	708.0	*	340.	251. AG	2360.	3.1	.0	44.0	
42. 0	320wbD	* 230.0	708.0	14.0	651.0	*	223.	255. AG	2360.	3.1	.0	44.0	

JOB: PurpleLine S9 HighLRT2015AM  
 DATE: 12/19/2007 TIME: 09:44:14.21

RUN: PurpleLine S9 HighLRT2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. 0	193sbTRq	* 120	68	2.0	1315	1673	33.40	1	3
9. 0	193sbLq	* 120	69	2.0	25	1770	33.40	1	3
16. 0	230wbTRq	* 120	73	2.0	1715	1692	33.40	1	3
18. 0	230wbLq	* 120	101	2.0	205	1770	33.40	1	3
24. 0	193nbTRQ	* 120	63	2.0	510	1669	33.40	1	3
28. 0	193nbLQ	* 120	64	2.0	185	1770	33.40	1	3
37. 0	320ebTRQ	* 120	74	2.0	1550	1674	33.40	1	3
39. 0	320ebLQ	* 120	102	2.0	215	1770	33.40	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*

13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 HighLRT2015AM

RUN: PurpleLine S9 HighLRT2015AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
5.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.3	.4	.3	.0	.0
10.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.5	.4	.0	.0
15.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.0	.0
20.	*	.1	.1	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.1	.2	.6	.4	.1	.0
25.	*	.1	.1	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
30.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.7	.4	.1	.0
35.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.1	.1
40.	*	.1	.1	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.1	.1
45.	*	.1	.1	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.6	.4	.1	.2
50.	*	.1	.1	.3	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
55.	*	.1	.1	.3	.7	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.2	.2
60.	*	.1	.1	.3	.6	.5	.5	.5	.1	.1	.0	.0	.0	.0	.1	.1	.5	.3	.2	.3
65.	*	.1	.1	.3	.5	.5	.5	.5	.2	.2	.1	.0	.0	.0	.1	.1	.5	.3	.3	.3
70.	*	.1	.1	.3	.5	.6	.6	.6	.2	.2	.2	.0	.0	.0	.1	.1	.5	.4	.4	.4
75.	*	.1	.1	.1	.5	.6	.6	.6	.4	.4	.4	.1	.0	.0	.1	.1	.5	.3	.4	.4
80.	*	.1	.1	.1	.5	.6	.5	.5	.5	.5	.5	.1	.0	.0	.1	.1	.5	.6	.4	.4
85.	*	.0	.1	.1	.4	.5	.5	.5	.8	.8	.8	.3	.1	.0	.1	.1	.6	.8	.6	.6
90.	*	.0	.0	.1	.3	.5	.5	.5	.9	.9	.9	.4	.1	.1	.0	.1	.3	.6	.7	.5
95.	*	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	.4	.1	.1	.1	.2	.3	.6	.7	.5
100.	*	.0	.0	.0	.0	.2	.2	.2	.9	.9	.9	.6	.1	.1	.1	.2	.3	.7	.7	.6
105.	*	.0	.0	.0	.0	.1	.1	.1	.9	.9	.9	.6	.2	.1	.1	.2	.4	.7	.6	.6
110.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.2	.1	.1	.2	.4	.8	.5	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.2	.1	.1	.2	.4	.8	.3	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.5	.1	.1	.1	.2	.5	.8	.3	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.5	.1	.1	.1	.2	.5	.8	.3	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.7	.9	.4	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.4	.7	.7	.4	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.8	.5	.1	.1	.1	.3	.6	.7	.4	.5
145.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.1	.1	.1	.3	.7	.7	.4	.5
150.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.1	.1	.1	.4	.7	.6	.4	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.4	.1	.1	.0	.4	.6	.7	.4	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.3	.1	.0	.0	.4	.6	.5	.5	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.4	.0	.0	.0	.4	.5	.4	.5	.6
170.	*	.0	.1	.0	.0	.0	.0	.0	.6	.6	.7	.3	.1	.1	.0	.3	.4	.4	.5	.5
175.	*	.0	.1	.0	.1	.0	.0	.0	.6	.6	.7	.4	.1	.2	.1	.2	.4	.3	.5	.5
180.	*	.0	.1	.1	.1	.0	.0	.0	.6	.6	.7	.4	.1	.2	.1	.2	.3	.4	.5	.5
185.	*	.0	.1	.1	.1	.0	.0	.0	.6	.6	.7	.3	.1	.2	.1	.1	.4	.2	.5	.5
190.	*	.0	.1	.1	.2	.0	.0	.0	.6	.6	.7	.2	.2	.3	.2	.1	.2	.2	.5	.5
195.	*	.0	.0	.1	.2	.0	.0	.0	.6	.6	.7	.2	.4	.4	.2	.1	.2	.2	.5	.6
200.	*	.0	.0	.1	.2	.0	.0	.0	.6	.6	.7	.2	.4	.6	.3	.1	.2	.2	.5	.7
205.	*	.0	.0	.1	.3	.0	.0	.0	.6	.6	.7	.2	.6	.6	.4	.1	.2	.2	.5	.7

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JOB: PurpleLine S9 HighLRT2015AM

RUN: PurpleLine S9 HighLRT2015AM

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## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.0	.1	.3	.0	.0	.0	.6	.6	.8	.2	.6	.6	.3	.1	.2	.2	.5	.7
215.	*	.1	.0	.0	.3	.0	.0	.0	.7	.8	.9	.4	.6	.6	.3	.1	.2	.2	.6	.7
220.	*	.1	.0	.0	.3	.0	.0	.0	.7	.9	.9	.4	.6	.5	.2	.1	.2	.2	.6	.7
225.	*	.0	.0	.0	.3	.0	.0	.0	.7	.9	.9	.4	.6	.4	.3	.1	.1	.2	.7	.7
230.	*	.0	.0	.0	.3	.1	.0	.0	.7	.9	.9	.4	.6	.4	.3	.1	.1	.2	.7	.7
235.	*	.1	.0	.0	.4	.1	.0	.0	.8	1.0	.9	.6	.6	.3	.3	.1	.1	.2	.6	.7
240.	*	.1	.1	.0	.5	.2	.0	.0	.9	.9	.9	.6	.5	.2	.2	.1	.1	.1	.4	.6
245.	*	.1	.1	.1	.4	.2	.1	.1	1.0	.9	1.1	.6	.5	.1	.1	.0	.1	.1	.4	.5
250.	*	.1	.1	.2	.6	.2	.1	.2	1.2	1.1	1.1	.5	.4	.1	.1	.0	.0	.1	.3	.4
255.	*	.0	.1	.1	.6	.4	.2	.2	1.0	1.1	.9	.4	.4	.0	.2	.0	.0	.0	.2	.3
260.	*	.1	.1	.2	.6	.5	.2	.2	1.1	.9	.8	.4	.4	.0	.2	.0	.0	.0	.1	.3

265.	*	.1	.1	.2	.6	.4	.3	.2	.8	.8	.6	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
270.	*	.1	.1	.2	.6	.4	.4	.4	.6	.5	.5	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
275.	*	.2	.1	.3	.4	.3	.6	.3	.4	.5	.4	.3	.3	.1	.2	.0	.0	.0	.0	.1	.1
280.	*	.2	.1	.5	.4	.3	.5	.5	.2	.4	.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
285.	*	.2	.2	.6	.3	.6	.5	.6	.2	.3	.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
290.	*	.2	.2	.6	.3	.6	.6	.6	.1	.1	.2	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
295.	*	.2	.2	.6	.2	.6	.7	.5	.0	.1	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0
300.	*	.2	.2	.3	.3	.6	.7	.5	.0	.0	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.4	.3	.6	.6	.5	.0	.0	.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
310.	*	.0	.1	.3	.3	.7	.6	.5	.0	.0	.0	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
315.	*	.0	.2	.4	.4	.7	.7	.5	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
320.	*	.0	.2	.4	.3	.6	.5	.5	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
325.	*	.0	.2	.4	.3	.6	.5	.5	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
330.	*	.0	.3	.3	.4	.6	.5	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.0	.2	.3	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
340.	*	.0	.1	.1	.5	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.1	.0	.0	.0
345.	*	.0	.0	.2	.4	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.0	.0	.0
350.	*	.0	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.0	.0	.0
355.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.2	.0	.0
360.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
-----																					
MAX	*	.2	.3	.6	.7	.7	.6	1.2	1.1	1.1	.6	.6	.6	.4	.4	.7	.9	.8	.7	.8	
DEGR.	*	275	330	285	55	25	295	70	250	250	245	100	205	200	205	135	130	130	85	200	90

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JOB: PurpleLine S9 HighLRT2015AM

RUN: PurpleLine S9 HighLRT2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.6	.6	.6	.5	.2	.1	.1
5.	.0	.6	.6	.7	.6	.2	.2	.1
10.	.0	.7	.7	.8	.6	.1	.3	.1
15.	.0	.7	.7	.8	.6	.1	.3	.1
20.	.0	.7	.8	.8	.5	.1	.4	.2
25.	.0	.7	.9	.8	.2	.2	.4	.2
30.	.0	.8	.9	.8	.2	.3	.4	.2
35.	.0	.9	.9	.9	.2	.3	.3	.2
40.	.0	.9	.9	.7	.4	.3	.2	.2
45.	.1	.9	.9	.7	.5	.3	.2	.2
50.	.2	.8	.8	.7	.5	.4	.2	.2
55.	.2	.8	.8	.7	.5	.4	.2	.2
60.	.3	.7	.7	.5	.6	.4	.2	.2
65.	.2	.7	.7	.5	.3	.5	.2	.2
70.	.4	.6	.5	.5	.6	.5	.2	.2
75.	.4	.4	.3	.4	.6	.2	.2	.2
80.	.7	.3	.3	.4	.5	.2	.2	.2
85.	.8	.3	.3	.2	.4	.2	.2	.1
90.	.8	.2	.2	.1	.3	.2	.1	.1
95.	.7	.0	.0	.0	.3	.1	.1	.1
100.	.6	.0	.0	.0	.2	.1	.1	.1
105.	.7	.0	.0	.0	.2	.1	.1	.1
110.	.7	.0	.0	.0	.1	.1	.1	.2
115.	.7	.0	.0	.0	.1	.1	.1	.2
120.	.7	.0	.0	.0	.1	.1	.1	.2
125.	.6	.0	.0	.0	.1	.1	.1	.2
130.	.5	.0	.0	.0	.1	.1	.1	.2
135.	.5	.0	.0	.0	.1	.2	.1	.2
140.	.5	.0	.0	.0	.1	.2	.1	.2
145.	.5	.0	.0	.0	.1	.2	.1	.2
150.	.5	.0	.0	.0	.0	.2	.1	.2
155.	.5	.0	.0	.0	.0	.2	.1	.2
160.	.6	.0	.0	.0	.0	.1	.1	.1
165.	.5	.0	.0	.0	.0	.0	.1	.0
170.	.4	.0	.0	.0	.0	.0	.0	.0
175.	.4	.0	.0	.0	.0	.0	.0	.0
180.	.4	.0	.0	.0	.0	.0	.0	.0
185.	.4	.0	.0	.0	.0	.0	.0	.0
190.	.4	.0	.0	.0	.0	.0	.0	.0
195.	.5	.0	.0	.0	.0	.0	.0	.0
200.	.6	.0	.0	.0	.0	.0	.0	.0
205.	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 HighLRT2015AM

RUN: PurpleLine S9 HighLRT2015AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.5	.0	.0	.0	.0	.0	.0	.0

215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.6	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.1	.1	.1	.0	.0	.0	.0
235.	*	.7	.1	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.4	.4	.3	.1	.0	.0
250.	*	.4	.6	.7	.6	.3	.1	.0	.0
255.	*	.4	.7	.7	.7	.4	.1	.1	.0
260.	*	.2	.8	.9	.9	.6	.1	.1	.1
265.	*	.1	.9	.9	.9	.6	.2	.1	.1
270.	*	.1	1.0	.9	.9	.7	.2	.1	.1
275.	*	.1	.8	.8	.8	.7	.3	.1	.1
280.	*	.0	.7	.8	.8	.7	.3	.1	.1
285.	*	.0	.7	.8	.8	.6	.3	.1	.1
290.	*	.0	.7	.8	.8	.6	.4	.1	.1
295.	*	.0	.7	.8	.8	.6	.4	.2	.1
300.	*	.0	.6	.7	.7	.6	.4	.2	.1
305.	*	.0	.6	.7	.7	.5	.4	.2	.1
310.	*	.0	.6	.7	.7	.5	.4	.2	.1
315.	*	.0	.6	.7	.6	.5	.4	.2	.1
320.	*	.0	.6	.6	.6	.5	.4	.2	.1
325.	*	.0	.6	.6	.6	.5	.3	.2	.2
330.	*	.0	.7	.7	.7	.5	.4	.2	.1
335.	*	.0	.7	.7	.7	.5	.4	.1	.1
340.	*	.0	.7	.7	.7	.5	.5	.1	.2
345.	*	.0	.7	.7	.7	.6	.4	.2	.2
350.	*	.0	.7	.7	.7	.7	.4	.2	.2
355.	*	.0	.6	.6	.6	.7	.3	.2	.2
360.	*	.0	.6	.6	.6	.5	.2	.1	.1
-----									
MAX	*	.8	1.0	.9	.9	.7	.5	.4	.2
DEGR.	*	85	270	25	35	270	65	20	20

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 245 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .

PurpleLine S9 HighLRT2015PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1256. 672. 5.0		
SE 164 S	1220. 746. 5.0		
SE 82 S	1189. 822. 5.0		
SE CNR	1162. 921. 5.0		
SE 82 E	1254. 939. 5.0		
SE 164 E	1335. 942. 5.0		
SE MID E	1417. 946. 5.0		
NE MID E	1398. 1028. 5.0		
NE 164 E	1316. 1025. 5.0		
NE 82 E	1235. 1022. 5.0		
NE CNR	1120. 1053. 5.0		
NE 82 N	1079. 1172. 5.0		
NE 164 N	1064. 1255. 5.0		
NE MID N	1060. 1337. 5.0		
NW MID N	953. 1280. 5.0		
NW 164 N	963. 1200. 5.0		
NW 82 N	977. 1118. 5.0		
NW CNR	974. 1010. 5.0		
NW 82 W	877. 962. 5.0		
NW 164 W	801. 934. 5.0		
NW MID W	723. 907. 5.0		
SW MID W	768. 808. 5.0		
SW 164 W	845. 836. 5.0		
SW 82 W	922. 863. 5.0		
SW CNR	1005. 876. 5.0		
SW 82 S	1051. 806. 5.0		
SW 164 S	1082. 729. 5.0		
SW MID S	1116. 655. 5.0		
PurpleLine S9 HighLRT2015PM	42 1 0		
1			
0	193nbD AG 1085. 969. 1036. 1255. 1155 3.1 0 56 30.		
1			
0	193nbD AG 1033. 1254. 1015. 1684. 1155 3.1 0 56 30.		
1			
0	193nbD AG 1015. 1684. 1007. 1970. 1155 3.1 0 56 30.		
1			
0	193sbAP AG 953. 1972. 973. 1408. 765 3.2 0 56 30.		
1			
0	193sbAP AG 973. 1408. 986. 1249. 765 3.2 0 56 30.		
1			
0	193sbTR AG 983. 1246. 1032. 974. 700 3.2 0 56 30.		
2			
0	193sbTRq AG 1023. 1026. 983. 1243. 0. 36 3		
120	88 2.0 700 33.4 1702 1 3		
1			
0	193sbL AG 1003. 1238. 1054. 980. 65 3.2 0 56 30.		
2			
0	193sbLq AG 1044. 1032. 1005. 1229. 0. 12 1		
120	85 2.0 65 33.4 1770 1 3		
1			
0	320ebD AG 1055. 945. 1146. 959. 2160 3.0 0 44 30.		
1			
0	320ebD AG 1146. 959. 2056. 1001. 2160 3.0 0 44 30.		
1			
0	320ebD AG 2056. 1001. 2211. 1019. 2160 3.0 0 44 30.		
1			
0	320wbA AG 2213. 1053. 2060. 1035. 2215 3.1 0 44 30.		
1			
0	320wbA AG 2060. 1035. 1283. 1002. 2215 3.1 0 44 30.		
1			
0	320wbTR AG 1283. 1003. 1068. 995. 1945 3.1 0 44 30.		
2			
0	230wbTRq AG 1129. 997. 1281. 1003. 0. 24 2		
120	65 2.0 1945 33.4 1688 1 3		
1			
0	320wbL AG 1278. 988. 1070. 982. 270 3.1 0 32 30.		
2			
0	230wbLq AG 1132. 984. 1272. 988. 0. 12 1		
120	97 2.0 270 33.4 1770 1 3		
1			
0	193nbAP AG 1623. 20. 1546. 163. 1400 3.1 0 56 30.		
1			
0	193nbAP AG 1546. 163. 1360. 444. 1400 3.1 0 56 30.		
1			
0	193nbTR AG 1359. 444. 1250. 622. 1090 3.1 0 56 30.		
1			
0	193nbTR AG 1250. 622. 1195. 729. 1090 3.1 0 56 30.		
1			
0	193nbTR AG 1195. 729. 1080. 1009. 1090 3.1 0 56 30.		
2			
0	193nbTRQ AG 1121. 910. 1195. 729. 0. 36 3		
120	77 2.0 1090 33.4 1707 1 3		
1			
0	193nbL AG 1336. 441. 1246. 585. 310 3.1 0 32 30.		
1			
0	193nbL AG 1246. 585. 1174. 719. 310 3.1 0 32 30.		
1			
0	193nbL AG 1174. 719. 1073. 970. 310 3.1 0 32 30.		
2			
0	193nbLQ AG 1100. 903. 1172. 725. 0. 12 1		
120	71 2.0 310 33.4 1770 1 3		
1			
0	193sbD AG 1024. 971. 1100. 760. 1005 3.2 0 56 30.		
1			

0		193sbD	AG	1100.	760.	1153.	636.	1005	3.2	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1005	3.2	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1005	3.2	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1005	3.2	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	2320	3.0	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	2320	3.0	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	2075	3.0	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
		120	65	2.0	2075	33.4	1669	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	245	3.0	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
		120	97	2.0	245	33.4	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2215	3.1	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2215	3.1	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2215	3.1	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 HighLRT2015PM  
 DATE: 12/19/2007 TIME: 09:46:10.71

RUN: PurpleLine S9 HighLRT2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	1155.	3.1	.0	56.0	
2. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	1155.	3.1	.0	56.0	
3. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	1155.	3.1	.0	56.0	
4. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	765.	3.2	.0	56.0	
5. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	765.	3.2	.0	56.0	
6. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	700.	3.2	.0	56.0	
7. 0	193sbTRq	1023.0	1026.0	1002.7	1136.3	*	112.	350. AG	197.	100.0	.0	36.0	.59 5.7
8. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	65.	3.2	.0	56.0	
9. 0	193sbLq	1044.0	1032.0	1038.1	1061.6	*	30.	349. AG	63.	100.0	.0	12.0	.14 1.5
10. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	2160.	3.0	.0	44.0	
11. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	2160.	3.0	.0	44.0	
12. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	2160.	3.0	.0	44.0	
13. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2215.	3.1	.0	44.0	
14. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2215.	3.1	.0	44.0	
15. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1945.	3.1	.0	44.0	
16. 0	230wbTRq	1129.0	997.0	4158.4	1116.6	*	3032.	88. AG	97.	100.0	.0	24.0	1.36 154.0
17. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	270.	3.1	.0	32.0	
18. 0	230wbLq	1132.0	984.0	1336.0	989.8	*	204.	88. AG	72.	100.0	.0	12.0	.96 10.4
19. 0	193nbAP	1623.0	20.0	1546.0	163.0	*	162.	332. AG	1400.	3.1	.0	56.0	
20. 0	193nbAP	1546.0	163.0	1360.0	444.0	*	337.	326. AG	1400.	3.1	.0	56.0	
21. 0	193nbTR	1359.0	444.0	1250.0	622.0	*	209.	329. AG	1090.	3.1	.0	56.0	
22. 0	193nbTR	1250.0	622.0	1195.0	729.0	*	120.	333. AG	1090.	3.1	.0	56.0	
23. 0	193nbTR	1195.0	729.0	1080.0	1009.0	*	303.	338. AG	1090.	3.1	.0	56.0	
24. 0	193nbTRQ	1121.0	910.0	1178.8	768.5	*	153.	158. AG	172.	100.0	.0	36.0	.66 7.8
25. 0	193nbL	1336.0	441.0	1246.0	585.0	*	170.	328. AG	310.	3.1	.0	32.0	
26. 0	193nbL	1246.0	585.0	1174.0	719.0	*	152.	332. AG	310.	3.1	.0	32.0	
27. 0	193nbL	1174.0	719.0	1073.0	970.0	*	271.	338. AG	310.	3.1	.0	32.0	
28. 0	193nbLQ	1100.0	903.0	1145.1	791.4	*	120.	158. AG	53.	100.0	.0	12.0	.47 6.1
29. 0	193sbD	1024.0	971.0	1100.0	760.0	*	224.	160. AG	1005.	3.2	.0	56.0	
30. 0	193sbD	1100.0	760.0	1153.0	636.0	*	135.	157. AG	1005.	3.2	.0	56.0	
31. 0	193sbD	1153.0	636.0	1241.0	492.0	*	169.	149. AG	1005.	3.2	.0	56.0	
32. 0	193sbD	1241.0	492.0	1482.0	130.0	*	435.	146. AG	1005.	3.2	.0	56.0	
33. 0	193sbD	1482.0	130.0	1539.0	19.0	*	125.	153. AG	1005.	3.2	.0	56.0	
34. 0	320ebAP	15.0	586.0	227.0	645.0	*	220.	74. AG	2320.	3.0	.0	44.0	
35. 0	320ebAP	227.0	645.0	656.0	793.0	*	454.	71. AG	2320.	3.0	.0	44.0	
36. 0	320ebTR	655.0	793.0	1087.0	947.0	*	459.	70. AG	2075.	3.0	.0	44.0	
37. 0	320ebTRQ	1008.0	919.0	-2560.5	-346.6	*	3786.	250. AG	97.	100.0	.0	24.0	1.46 192.3
38. 0	320ebL	644.0	808.0	1071.0	958.0	*	453.	71. AG	245.	3.0	.0	32.0	
39. 0	320ebLQ	1004.0	934.0	855.3	881.9	*	158.	251. AG	72.	100.0	.0	12.0	.88 8.0
40. 0	320wbD	1055.0	999.0	551.0	821.0	*	535.	251. AG	2215.	3.1	.0	44.0	
41. 0	320wbD	551.0	821.0	230.0	708.0	*	340.	251. AG	2215.	3.1	.0	44.0	
42. 0	320wbD	230.0	708.0	14.0	651.0	*	223.	255. AG	2215.	3.1	.0	44.0	

JOB: PurpleLine S9 HighLRT2015PM  
 DATE: 12/19/2007 TIME: 09:46:10.71

RUN: PurpleLine S9 HighLRT2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. 0	193sbTRq	120	88	2.0	700	1702	33.40	1	3
9. 0	193sbLq	120	85	2.0	65	1770	33.40	1	3
16. 0	230wbTRq	120	65	2.0	1945	1688	33.40	1	3
18. 0	230wbLq	120	97	2.0	270	1770	33.40	1	3
24. 0	193nbTRQ	120	77	2.0	1090	1707	33.40	1	3
28. 0	193nbLQ	120	71	2.0	310	1770	33.40	1	3
37. 0	320ebTRQ	120	65	2.0	2075	1669	33.40	1	3
39. 0	320ebLQ	120	97	2.0	245	1770	33.40	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*



13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 HighLRT2015PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0
5.	*	.0	.2	.3	.5	.5	.4	.4	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0
10.	*	.0	.2	.3	.5	.5	.4	.4	.0	.0	.0	.0	.1	.1	.2	.2	.2	.3	.0	.0
15.	*	.0	.2	.2	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.0	.0
20.	*	.1	.2	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4	.0	.0
25.	*	.1	.2	.2	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.5	.1	.0
30.	*	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.2	.6	.1	.0
35.	*	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.3	.6	.1	.0
40.	*	.1	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.6	.1	.1
45.	*	.1	.3	.3	.5	.7	.5	.5	.0	.0	.0	.0	.0	.0	.2	.1	.4	.6	.1	.2
50.	*	.1	.3	.3	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.5	.5	.2	.2
55.	*	.1	.3	.3	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.2	.1	.5	.5	.2	.2
60.	*	.1	.3	.3	.7	.8	.7	.7	.1	.1	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
65.	*	.1	.2	.3	.6	.7	.7	.7	.2	.2	.0	.0	.0	.0	.2	.1	.6	.5	.3	.3
70.	*	.1	.1	.3	.6	.7	.7	.7	.2	.2	.3	.0	.0	.0	.2	.2	.7	.5	.4	.5
75.	*	.1	.1	.3	.5	.7	.7	.6	.4	.4	.4	.1	.0	.0	.2	.2	.7	.5	.4	.4
80.	*	.0	.1	.2	.5	.6	.6	.6	.6	.6	.7	.2	.0	.0	.2	.2	.7	.6	.5	.5
85.	*	.0	.0	.1	.5	.6	.6	.6	.7	.7	.2	.0	.0	.0	.2	.2	.8	.9	.6	.6
90.	*	.0	.0	.0	.3	.5	.4	.4	.9	.9	.8	.4	.1	.0	.2	.3	.8	.8	.6	.8
95.	*	.0	.0	.0	.2	.4	.3	.3	1.0	1.0	.8	.4	.1	.1	.0	.2	.3	1.0	.6	.8
100.	*	.0	.0	.0	.1	.2	.1	.2	1.1	1.1	1.2	.5	.2	.1	.1	.2	.3	1.1	.4	.7
105.	*	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	1.2	.6	.2	.1	.1	.2	.3	1.1	.6	.7
110.	*	.0	.0	.0	.0	.1	.1	.1	1.0	1.1	.6	.3	.1	.1	.2	.4	1.0	.6	.7	.7
115.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.6	.3	.2	.1	.2	.4	1.1	.5	.7
120.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.3	.2	.1	.2	.4	1.1	.6	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.5	.2	.1	.1	.3	.4	1.1	.6	.5
130.	*	.0	.0	.0	.0	.0	.0	.0	.8	.7	.8	.5	.2	.1	.1	.3	.4	1.0	.6	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.1	.1	.3	.3	1.0	.5	.4
140.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.1	.1	.1	.4	.8	.5	.4
145.	*	.1	.0	.0	.0	.0	.0	.0	.6	.6	.7	.5	.2	.1	.0	.3	.4	.8	.5	.4
150.	*	.1	.1	.0	.0	.0	.0	.0	.6	.7	.7	.4	.2	.1	.0	.3	.5	.7	.5	.4
155.	*	.2	.1	.1	.1	.0	.0	.0	.6	.7	.7	.5	.2	.1	.0	.3	.5	.8	.4	.5
160.	*	.2	.1	.2	.1	.0	.0	.0	.6	.7	.7	.5	.3	.1	.0	.2	.4	.7	.5	.4
165.	*	.2	.1	.2	.3	.0	.0	.0	.6	.7	.7	.5	.2	.2	.0	.2	.3	.5	.4	.5
170.	*	.2	.1	.3	.4	.0	.0	.0	.6	.7	.7	.5	.2	.2	.1	.2	.3	.5	.5	.4
175.	*	.2	.1	.3	.4	.0	.0	.0	.6	.7	.7	.6	.2	.2	.3	.1	.3	.3	.5	.4
180.	*	.2	.1	.4	.5	.0	.0	.0	.6	.7	.7	.4	.2	.3	.3	.1	.2	.4	.5	.4
185.	*	.2	.1	.4	.5	.0	.0	.0	.6	.7	.8	.4	.3	.3	.3	.0	.2	.3	.5	.4
190.	*	.1	.1	.4	.5	.0	.0	.0	.6	.7	.8	.4	.3	.3	.3	.0	.2	.3	.5	.4
195.	*	.1	.1	.5	.6	.1	.0	.0	.6	.7	.8	.4	.3	.4	.3	.0	.2	.3	.5	.4
200.	*	.1	.1	.5	.6	.1	.0	.0	.6	.7	.8	.5	.4	.4	.2	.1	.2	.3	.5	.4
205.	*	.1	.1	.5	.6	.1	.0	.0	.6	.8	.8	.5	.6	.4	.2	.1	.2	.3	.5	.5

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JOB: PurpleLine S9 HighLRT2015PM

RUN: PurpleLine S9 HighLRT2015PM

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## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.1	.6	.6	.1	.0	.0	.6	.8	.8	.5	.6	.4	.2	.1	.2	.3	.5	.5
215.	*	.1	.1	.6	.6	.2	.0	.0	.7	.8	.8	.5	.7	.4	.2	.1	.2	.2	.5	.5
220.	*	.1	.1	.6	.6	.2	.1	.0	.8	.9	.8	.5	.6	.3	.2	.1	.1	.2	.5	.6
225.	*	.1	.1	.6	.6	.2	.1	.0	.8	.9	.8	.5	.5	.2	.2	.1	.1	.2	.4	.6
230.	*	.1	.1	.6	.6	.2	.1	.0	.9	1.0	.9	.5	.5	.2	.2	.1	.1	.2	.5	.6
235.	*	.1	.2	.6	.5	.2	.1	.1	1.0	1.0	1.1	.5	.5	.2	.2	.1	.1	.2	.5	.7
240.	*	.1	.1	.6	.5	.3	.1	.1	1.1	1.1	1.1	.6	.4	.2	.2	.1	.1	.1	.4	.6
245.	*	.1	.1	.6	.6	.2	.2	.2	1.1	1.2	1.1	.6	.3	.2	.1	.0	.1	.1	.3	.6
250.	*	.1	.1	.8	.6	.3	.3	.3	1.1	1.2	1.1	.4	.3	.1	.1	.0	.0	.1	.2	.4
255.	*	.1	.2	.8	.6	.4	.3	.3	1.1	1.1	1.0	.4	.2	.1	.1	.0	.0	.0	.2	.3
260.	*	.2	.2	.8	.7	.5	.4	.3	1.0	.9	.8	.5	.2	.1	.1	.0	.0	.0	.1	.3

265.	*	.2	.2	.8	.6	.5	.6	.3	.9	.8	.7	.4	.1	.2	.1	.0	.0	.0	.0	.1	.1
270.	*	.2	.2	.9	.6	.6	.5	.5	.6	.5	.5	.3	.1	.2	.1	.0	.0	.0	.0	.1	.1
275.	*	.2	.3	.9	.6	.6	.6	.6	.5	.4	.4	.3	.1	.1	.1	.0	.0	.0	.0	.1	
280.	*	.2	.3	1.0	.5	.5	.6	.6	.2	.4	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	
285.	*	.2	.3	1.0	.4	.6	.6	.7	.2	.3	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	
290.	*	.2	.4	1.0	.4	.6	.7	.8	.1	.1	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	
295.	*	.2	.4	1.0	.4	.6	.7	.8	.1	.0	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	
300.	*	.1	.5	1.0	.5	.6	.8	.7	.0	.0	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	
305.	*	.2	.4	.9	.5	.6	.7	.6	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	
310.	*	.2	.5	.7	.4	.6	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	
315.	*	.3	.5	.7	.5	.5	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	
320.	*	.4	.6	.7	.5	.6	.7	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	
325.	*	.4	.5	.6	.6	.6	.6	.5	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	
330.	*	.4	.5	.5	.5	.6	.6	.5	.0	.0	.0	.1	.2	.1	.2	.0	.0	.0	.0	.0	
335.	*	.4	.4	.4	.6	.5	.6	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	
340.	*	.2	.3	.3	.6	.5	.5	.4	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	
345.	*	.1	.3	.3	.5	.5	.5	.4	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	
350.	*	.1	.2	.3	.4	.5	.5	.4	.0	.0	.0	.0	.2	.2	.2	.0	.0	.1	.1	.0	
355.	*	.0	.2	.3	.4	.5	.5	.5	.0	.0	.0	.0	.2	.1	.1	.1	.0	.1	.1	.0	
360.	*	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	
MAX	*	.4	.6	1.0	.7	.8	.8	.8	1.1	1.2	1.2	.6	.7	.4	.3	.3	.5	1.1	.9	.7	
DEGR.	*	320	320	280	55	60	300	290	100	245	100	105	215	195	175	125	150	100	85	100	

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JOB: PurpleLine S9 HighLRT2015PM

RUN: PurpleLine S9 HighLRT2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.6	.6	.7	.5	.3	.2	.2
5.	.0	.6	.6	.8	.5	.3	.2	.3
10.	.0	.6	.7	.8	.6	.1	.2	.4
15.	.0	.6	.7	.8	.7	.1	.2	.4
20.	.0	.6	.7	.8	.6	.1	.5	.4
25.	.0	.6	.8	.8	.3	.2	.6	.2
30.	.0	.7	.9	.8	.3	.4	.6	.3
35.	.0	.7	.9	.9	.5	.3	.4	.3
40.	.0	.8	.9	.9	.5	.4	.5	.3
45.	.0	.8	.9	.8	.5	.5	.5	.2
50.	.1	.8	.8	.8	.5	.5	.5	.2
55.	.2	.8	.8	.7	.5	.6	.5	.2
60.	.3	.8	.8	.6	.6	.7	.5	.2
65.	.3	.8	.7	.6	.7	.7	.4	.2
70.	.4	.5	.6	.5	.5	.7	.3	.2
75.	.4	.5	.6	.7	.5	.6	.3	.2
80.	.6	.4	.5	.4	.5	.5	.2	.1
85.	.6	.4	.4	.4	.4	.4	.1	.1
90.	.6	.3	.3	.3	.5	.3	.1	.1
95.	.6	.0	.1	.1	.3	.3	.1	.1
100.	.5	.0	.1	.1	.3	.3	.1	.1
105.	.5	.0	.0	.1	.3	.2	.1	.1
110.	.5	.0	.0	.1	.3	.2	.1	.2
115.	.5	.0	.0	.1	.3	.2	.1	.2
120.	.5	.0	.0	.0	.2	.2	.1	.2
125.	.4	.0	.0	.0	.2	.1	.1	.2
130.	.4	.0	.0	.0	.2	.1	.1	.2
135.	.4	.0	.0	.0	.1	.2	.1	.2
140.	.4	.0	.0	.0	.1	.2	.1	.2
145.	.4	.0	.0	.0	.1	.2	.1	.2
150.	.4	.0	.0	.0	.0	.2	.1	.2
155.	.4	.0	.0	.0	.0	.1	.1	.1
160.	.4	.0	.0	.0	.0	.0	.1	.0
165.	.4	.0	.0	.0	.0	.0	.1	.0
170.	.4	.0	.0	.0	.0	.0	.0	.0
175.	.4	.0	.0	.0	.0	.0	.0	.0
180.	.4	.0	.0	.0	.0	.0	.0	.0
185.	.4	.0	.0	.0	.0	.0	.0	.0
190.	.4	.0	.0	.0	.0	.0	.0	.0
195.	.4	.0	.0	.0	.0	.0	.0	.0
200.	.4	.0	.0	.0	.0	.0	.0	.0
205.	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 HighLRT2015PM

RUN: PurpleLine S9 HighLRT2015PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.6	.0	.0	.0	.0	.0	.0	.0

215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.6	.0	.0	.0	.0	.0	.0	.0
230.	*	.6	.1	.2	.2	.0	.0	.0	.0
235.	*	.7	.2	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.6	.5	.3	.1	.0	.0
250.	*	.5	.6	.6	.6	.3	.1	.1	.0
255.	*	.4	.7	.7	.8	.4	.1	.1	.1
260.	*	.2	.8	.8	.9	.6	.1	.1	.1
265.	*	.1	.8	.9	.8	.6	.1	.1	.1
270.	*	.1	.9	.8	.8	.7	.2	.1	.1
275.	*	.0	.8	.8	.8	.7	.2	.1	.1
280.	*	.0	.7	.8	.9	.7	.3	.1	.1
285.	*	.0	.6	.7	.8	.6	.3	.1	.1
290.	*	.0	.6	.7	.8	.6	.3	.1	.1
295.	*	.0	.6	.6	.7	.6	.3	.2	.1
300.	*	.0	.6	.6	.7	.6	.3	.2	.1
305.	*	.0	.6	.6	.7	.6	.3	.3	.1
310.	*	.0	.6	.6	.7	.6	.3	.2	.1
315.	*	.0	.6	.6	.7	.6	.3	.2	.1
320.	*	.0	.6	.6	.7	.6	.3	.2	.1
325.	*	.0	.6	.6	.7	.6	.3	.2	.0
330.	*	.0	.6	.6	.7	.6	.3	.3	.1
335.	*	.0	.6	.6	.7	.6	.4	.2	.1
340.	*	.0	.6	.6	.7	.6	.4	.1	.1
345.	*	.0	.6	.6	.7	.7	.4	.2	.2
350.	*	.0	.6	.6	.7	.7	.3	.2	.2
355.	*	.0	.6	.6	.7	.6	.3	.2	.2
360.	*	.0	.6	.6	.7	.5	.3	.2	.2
-----									
MAX	*	.7	.9	.9	.9	.7	.7	.6	.4
DEGR.	*	235	270	30	35	15	60	25	10

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 245 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 100 DEGREES FROM REC10 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 100 DEGREES FROM REC8 .

Site 9

MD 193 and MD 320

2030

PurpleLine	S9NB30AM				60.0321.0.0000.000280.30480000			1	1
SE MID S		1247.		667.	5.0				
SE 164 S		1210.		742.	5.0				
SE 82 S		1179.		818.	5.0				
SE CNR		1162.		921.	5.0				
SE 82 E		1254.		939.	5.0				
SE 164 E		1335.		942.	5.0				
SE MID E		1417.		946.	5.0				
NE MID E		1398.		1028.	5.0				
NE 164 E		1316.		1025.	5.0				
NE 82 E		1235.		1022.	5.0				
NE CNR		1120.		1053.	5.0				
NE 82 N		1079.		1172.	5.0				
NE 164 N		1064.		1255.	5.0				
NE MID N		1060.		1337.	5.0				
NW MID N		953.		1280.	5.0				
NW 164 N		963.		1200.	5.0				
NW 82 N		977.		1118.	5.0				
NW CNR		974.		1010.	5.0				
NW 82 W		881.		950.	5.0				
NW 164 W		804.		923.	5.0				
NW MID W		727.		896.	5.0				
SW MID W		764.		819.	5.0				
SW 164 W		841.		847.	5.0				
SW 82 W		918.		874.	5.0				
SW CNR		1011.		888.	5.0				
SW 82 S		1063.		810.	5.0				
SW 164 S		1093.		734.	5.0				
SW MID S		1128.		660.	5.0				
PurpleLine	S9NB30AM			40	1	0			
0	1								
0	1	193nbAP	AG	1607.	19.	1539.	154.	2180	2.7 0 56 30.
0	1	193nbAP	AG	1539.	154.	1356.	431.	2180	2.7 0 56 30.
0	1	193nbTR	AG	1355.	431.	1246.	605.	1945	2.7 0 56 30.
0	1	193nbTR	AG	1246.	605.	1179.	734.	1945	2.7 0 56 30.
0	2	193nbTRq	AG	1179.	734.	1085.	969.	1945	2.7 0 56 30.
0	1	193nbTRq	AG	1111.	905.	1175.	745.	0.	36 3
0	1	120	74	2.0	1945	29.1	1692	1 3	
0	1	193nbL	AG	1220.	602.	1151.	735.	235	2.7 0 32 30.
0	2	193nbL	AG	1151.	735.	1065.	963.	235	2.7 0 32 30.
0	1	193nbLq	AG	1089.	898.	1149.	740.	0.	12 1
0	1	120	102	2.0	235	29.1	1770	1 3	
0	1	193nbD	AG	1085.	969.	1036.	1255.	2683	2.7 0 56 30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	2683	2.7 0 56 30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	2683	2.7 0 56 30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	2005	2.7 0 56 30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	2005	2.7 0 56 30.
0	2	193sbTR	AG	983.	1246.	1032.	974.	1760	2.7 0 56 30.
0	1	193sbTRq	AG	1023.	1026.	983.	1243.	0.	36 3
0	1	120	74	2.0	1760	29.1	1674	1 3	
0	2	193sbL	AG	1003.	1238.	1054.	980.	245	2.7 0 56 30.
0	1	193sbLq	AG	1044.	1032.	1005.	1229.	0.	12 1
0	1	120	102	2.0	245	29.1	1770	1 3	
0	1	193sbD	AG	1035.	975.	1110.	760.	1865	2.7 0 56 30.
0	1	193sbD	AG	1110.	760.	1201.	578.	1865	2.7 0 56 30.
0	1	193sbD	AG	1201.	578.				

0		320ebD	AG	1055.	945.	1146.	959.	625	2.7	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	625	2.7	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	625	2.7	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	1525	2.7	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	1525	2.7	0	44	30.
0	1	320wbTR	AG	1283.	1003.	1068.	995.	1495	2.7	0	44	30.
0	2	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
		120	67	2.0	1495	29.1	1673	1	3			
0	1	320wbL	AG	1278.	988.	1070.	982.	30	2.7	0	32	30.
0	2	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
		120	68	2.0	30	29.1	1770	1	3			
0	1	320wbD	AG	1068.	994.	344.	735.	1330	2.7	0	44	30.
0	1	320wbD	AG	344.	735.	15.	633.	1330	2.7	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9NB30AM  
 DATE: 10/01/2007 TIME: 13:59:27.61

RUN: PurpleLine S9NB30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	2180.	2.7	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	2180.	2.7	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	1945.	2.7	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	1945.	2.7	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	1945.	2.7	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1461.2	29.6	*	943.	158. AG	144.	100.0	.0	36.0	1.09 47.9
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	235.	2.7	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	235.	2.7	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1265.2	434.1	*	496.	159. AG	66.	100.0	.0	12.0	1.14 25.2
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	2683.	2.7	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	2683.	2.7	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	2683.	2.7	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	2005.	2.7	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	2005.	2.7	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1760.	2.7	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	956.9	1384.7	*	365.	350. AG	144.	100.0	.0	36.0	1.00 18.5
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	245.	2.7	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	926.8	1624.2	*	604.	349. AG	66.	100.0	.0	12.0	1.19 30.7
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	1865.	2.7	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	1865.	2.7	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	1865.	2.7	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	1865.	2.7	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	1865.	2.7	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	793.	2.7	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	793.	2.7	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	580.	2.7	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	913.2	895.4	*	98.	251. AG	81.	100.0	.0	24.0	.39 5.0
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	213.	2.7	.0	32.0	
29. 0	230ebLq	999.0	946.0	929.8	921.6	*	73.	251. AG	41.	100.0	.0	12.0	.27 3.7
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	625.	2.7	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	625.	2.7	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	625.	2.7	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	1525.	2.7	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	1525.	2.7	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1495.	2.7	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	2170.7	1038.1	*	1043.	88. AG	87.	100.0	.0	24.0	1.09 53.0
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	30.	2.7	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1143.2	984.3	*	11.	88. AG	44.	100.0	.0	12.0	.04 .6
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	1330.	2.7	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	1330.	2.7	.0	44.0	

JOB: PurpleLine S9NB30AM  
 DATE: 10/01/2007 TIME: 13:59:27.61

RUN: PurpleLine S9NB30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	74	2.0	1945	1692	29.10	1	3
9. 0	193nbLq	120	102	2.0	235	1770	29.10	1	3
16. 0	193sbTRq	120	74	2.0	1760	1674	29.10	1	3
18. 0	193sbLq	120	102	2.0	245	1770	29.10	1	3
27. 0	230ebTRq	120	62	2.0	580	1669	29.10	1	3
29. 0	230ebLq	120	63	2.0	213	1770	29.10	1	3
36. 0	230wbTRq	120	67	2.0	1495	1673	29.10	1	3
38. 0	230wbLq	120	68	2.0	30	1770	29.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*

15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

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JOB: PurpleLine S9NB30AM

RUN: PurpleLine S9NB30AM

## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.2	.2	.2	.9	.9	1.1	.6	.0	.0
5.	*	.0	.1	.1	.2	.3	.3	.3	.0	.0	.0	.2	.2	.2	1.0	1.0	1.0	.6	.1	.0
10.	*	.0	.1	.1	.2	.3	.3	.3	.0	.0	.0	.1	.1	.1	1.0	1.0	1.0	.7	.1	.0
15.	*	.0	.1	.1	.2	.3	.3	.3	.0	.0	.0	.0	.1	.1	1.0	.9	1.0	.7	.1	.1
20.	*	.0	.1	.1	.2	.2	.3	.3	.0	.0	.0	.0	.1	.1	1.1	.9	1.0	.6	.1	.1
25.	*	.0	.1	.1	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	1.0	.9	1.0	.6	.1	.1
30.	*	.0	.1	.1	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.9	.9	1.0	.6	.1	.1
35.	*	.0	.1	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.3	.1
40.	*	.0	.1	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.9	.8	.9	.6	.3	.1
45.	*	.0	.1	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.9	.8	.8	.6	.3	.1
50.	*	.0	.1	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.9	.8	.7	.6	.3	.1
55.	*	.0	.1	.1	.2	.4	.4	.4	.0	.0	.0	.0	.0	.0	.9	.8	.7	.5	.4	.2
60.	*	.0	.1	.1	.2	.4	.4	.4	.0	.0	.0	.0	.0	.0	.8	.7	.7	.5	.3	.2
65.	*	.0	.1	.1	.4	.4	.4	.4	.1	.1	.0	.0	.0	.0	.9	.7	.7	.4	.3	.2
70.	*	.0	.0	.1	.4	.4	.4	.4	.2	.2	.1	.0	.0	.0	.9	.8	.7	.4	.3	.1
75.	*	.0	.0	.1	.3	.4	.4	.4	.2	.2	.2	.0	.0	.0	.9	.8	.8	.4	.3	.3
80.	*	.0	.0	.0	.3	.3	.3	.3	.4	.3	.4	.1	.0	.0	.9	.8	.8	.4	.3	.3
85.	*	.0	.0	.0	.2	.3	.3	.3	.5	.5	.5	.1	.0	.0	.9	.8	.8	.5	.3	.4
90.	*	.0	.0	.0	.1	.2	.2	.2	.5	.5	.5	.2	.0	.0	.9	.7	.8	.4	.3	.4
95.	*	.0	.0	.0	.0	.1	.1	.1	.6	.6	.6	.3	.0	.0	.9	.7	.8	.4	.4	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.3	.1	.0	.9	.8	.8	.5	.4	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.4	.1	.0	1.0	.8	.8	.5	.5	.4
110.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.3	.1	.1	1.1	.9	.9	.4	.5	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.3	.1	.1	.9	1.0	.9	.4	.4	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.3	.1	.1	.9	1.0	1.0	.5	.3	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.5	.5	.4	.3	.1	.1	1.0	1.0	1.0	.5	.3	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.5	.5	.4	.3	.1	.1	1.1	1.0	.9	.5	.3	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.5	.5	.4	.3	.1	.1	1.0	.9	1.0	.5	.3	.2
140.	*	.2	.2	.1	.0	.0	.0	.0	.5	.5	.4	.2	.1	.1	1.0	1.0	1.0	.6	.3	.2
145.	*	.3	.2	.1	.1	.0	.0	.0	.4	.4	.4	.3	.1	.2	1.1	1.0	1.0	.6	.3	.2
150.	*	.4	.4	.3	.1	.0	.0	.0	.4	.4	.4	.3	.3	.2	1.2	1.0	1.0	.5	.3	.1
155.	*	.5	.5	.5	.2	.0	.0	.0	.4	.4	.4	.3	.3	.2	1.1	1.2	1.0	.8	.5	.2
160.	*	.6	.7	.6	.3	.1	.0	.0	.4	.4	.5	.4	.2	.3	1.1	.9	.7	.4	.1	.1
165.	*	.7	1.0	.8	.4	.1	.0	.0	.4	.4	.5	.5	.4	.3	1.1	.7	.6	.3	.1	.1
170.	*	.7	.9	.9	.6	.1	.1	.0	.4	.5	.5	.6	.4	.4	.3	.8	.6	.4	.2	.1
175.	*	.9	1.0	1.0	.6	.2	.1	.1	.5	.5	.5	.6	.4	.4	.4	.5	.3	.2	.2	.1
180.	*	.9	.9	1.0	.6	.2	.1	.1	.5	.5	.6	.5	.4	.5	.4	.3	.2	.2	.2	.1
185.	*	.9	.9	1.0	.6	.2	.1	.1	.5	.5	.6	.6	.4	.6	.6	.3	.2	.1	.2	.1
190.	*	.8	.9	.9	.5	.2	.1	.1	.5	.5	.6	.5	.4	.6	.7	.1	.0	.0	.2	.1
195.	*	.8	.9	.9	.5	.2	.1	.1	.5	.5	.6	.5	.6	.7	.7	.1	.0	.0	.2	.1
200.	*	.8	.9	.9	.5	.2	.1	.1	.5	.5	.5	.4	.6	.7	.7	.0	.0	.0	.2	.1
205.	*	.7	.9	.9	.6	.2	.1	.1	.5	.5	.6	.3	.7	.7	.7	.0	.0	.0	.2	.1

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JOB: PurpleLine S9NB30AM

RUN: PurpleLine S9NB30AM

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.8	.8	.8	.6	.2	.1	.1	.5	.5	.6	.3	.7	.7	.7	.0	.0	.0	.2	.2
215.	*	.8	.8	.8	.6	.3	.1	.1	.6	.5	.6	.4	.7	.7	.5	.0	.0	.0	.1	.2
220.	*	.8	.7	.8	.6	.2	.1	.1	.6	.5	.7	.4	.7	.6	.6	.0	.0	.0	.1	.2
225.	*	.8	.7	.8	.6	.2	.1	.1	.6	.6	.7	.3	.6	.6	.6	.0	.0	.0	.1	.2
230.	*	.8	.7	.7	.6	.2	.1	.1	.6	.6	.7	.3	.6	.6	.6	.0	.0	.0	.1	.2
235.	*	.8	.7	.8	.5	.2	.1	.1	.6	.6	.5	.3	.6	.6	.6	.0	.0	.0	.1	.2
240.	*	.8	.7	.8	.5	.2	.1	.1	.7	.6	.5	.4	.6	.6	.6	.0	.0	.0	.1	.2
245.	*	.8	.8	.8	.4	.2	.1	.1	.6	.5	.5	.5	.6	.6	.6	.0	.0	.0	.1	.2
250.	*	.8	.8	.8	.4	.2	.1	.1	.6	.5	.6	.5	.6	.6	.6	.0	.0	.0	.1	.2
255.	*	.8	.8	.8	.3	.2	.1	.1	.6	.5	.5	.5	.6	.7	.6	.0	.0	.0	.1	.1
260.	*	.8	.8	.8	.3	.2	.1	.1	.6	.5	.6	.4	.6	.6	.6	.0	.0	.0	.1	.1
265.	*	.8	.8	.8	.4	.1	.0	.1	.5	.4	.5	.5	.6	.5	.6	.0	.0	.0	.1	.1
270.	*	.8	.7	.8	.3	.0	.1	.2	.3	.4	.4	.6	.6	.6	.6	.0	.0	.0	.1	.1



275.	*	.8	.7	.8	.3	.1	.2	.2	.3	.4	.4	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0
280.	*	.8	.7	.8	.3	.1	.3	.2	.3	.4	.4	.6	.6	.7	.6	.0	.0	.0	.0	.0	.0
285.	*	.8	.6	.8	.3	.1	.3	.2	.3	.2	.3	.6	.6	.7	.5	.0	.0	.0	.0	.0	.0
290.	*	.8	.8	.8	.1	.5	.4	.3	.1	.2	.2	.6	.6	.7	.5	.0	.0	.0	.0	.0	.0
295.	*	.8	.9	.8	.1	.5	.5	.4	.1	.2	.2	.6	.6	.7	.5	.0	.0	.0	.0	.0	.0
300.	*	.8	.9	.8	.3	.5	.5	.5	.1	.1	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0
305.	*	.8	.9	.8	.4	.5	.5	.5	.1	.1	.2	.6	.7	.6	.5	.0	.0	.0	.0	.0	.0
310.	*	.8	.9	.8	.4	.5	.4	.5	.0	.1	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0
315.	*	.9	.9	.8	.3	.5	.3	.3	.0	.1	.2	.6	.7	.6	.5	.0	.0	.0	.0	.0	.0
320.	*	.8	.9	.8	.5	.5	.3	.3	.0	.0	.1	.6	.8	.6	.5	.0	.0	.0	.0	.0	.0
325.	*	.8	.9	.7	.5	.5	.3	.3	.0	.0	.1	.5	.7	.6	.5	.1	.0	.0	.0	.0	.0
330.	*	.6	.6	.6	.4	.4	.3	.3	.0	.0	.1	.5	.6	.7	.5	.1	.0	.1	.0	.0	.0
335.	*	.5	.7	.6	.5	.3	.3	.3	.0	.0	.1	.5	.6	.6	.5	.1	.1	.2	.0	.0	.0
340.	*	.5	.5	.4	.5	.3	.3	.3	.0	.0	.0	.4	.6	.5	.4	.2	.1	.3	.1	.0	.0
345.	*	.2	.3	.4	.4	.3	.3	.3	.0	.0	.0	.3	.6	.4	.4	.3	.4	.3	.1	.0	.0
350.	*	.1	.2	.2	.3	.3	.3	.3	.0	.0	.0	.2	.5	.4	.4	.6	.7	.5	.2	.0	.0
355.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.1	.2	.4	.4	.7	.9	.8	.4	.0	.0
360.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.2	.2	.2	.9	.9	1.1	.6	.0	.0
MAX		.9	1.0	1.0	.6	.5	.5	.5	.7	.6	.7	.6	.8	.7	.7	1.2	1.0	1.1	.7	.5	.4
DEGR.	*	315	165	175	170	290	295	300	240	95	220	170	320	195	190	150	5	0	10	105	85

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JOB: PurpleLine S9NB30AM

RUN: PurpleLine S9NB30AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.2	.5	.7	.4	.8	.7
5.	*	.0	.2	.2	.5	.7	.5	.6	.6
10.	*	.0	.2	.3	.5	.6	.4	.7	.6
15.	*	.0	.2	.3	.6	.4	.5	.6	.6
20.	*	.0	.3	.3	.7	.4	.5	.6	.6
25.	*	.0	.3	.3	.7	.2	.5	.6	.6
30.	*	.1	.3	.3	.8	.2	.6	.7	.6
35.	*	.1	.3	.3	.8	.2	.7	.7	.5
40.	*	.1	.3	.3	.7	.2	.7	.7	.6
45.	*	.1	.3	.4	.6	.2	.7	.7	.5
50.	*	.1	.2	.3	.5	.3	.7	.6	.6
55.	*	.2	.2	.3	.3	.3	.7	.6	.6
60.	*	.2	.2	.2	.4	.3	.7	.7	.6
65.	*	.1	.1	.3	.5	.3	.7	.7	.6
70.	*	.2	.2	.3	.4	.4	.7	.6	.6
75.	*	.3	.2	.3	.3	.4	.7	.6	.6
80.	*	.3	.1	.2	.4	.4	.6	.6	.5
85.	*	.3	.1	.2	.3	.4	.6	.6	.5
90.	*	.2	.1	.1	.2	.4	.5	.5	.6
95.	*	.3	.1	.1	.2	.5	.6	.6	.6
100.	*	.3	.1	.1	.2	.5	.6	.6	.6
105.	*	.3	.1	.1	.2	.5	.6	.6	.6
110.	*	.2	.1	.1	.1	.5	.6	.6	.6
115.	*	.2	.1	.1	.1	.5	.6	.6	.7
120.	*	.2	.1	.1	.1	.5	.7	.7	.7
125.	*	.2	.1	.1	.1	.5	.8	.7	.7
130.	*	.2	.1	.1	.1	.5	.7	.7	.8
135.	*	.2	.1	.1	.1	.4	.7	.7	.8
140.	*	.2	.0	.1	.1	.4	.6	.6	.7
145.	*	.1	.0	.1	.1	.5	.6	.5	.6
150.	*	.1	.0	.0	.1	.4	.5	.5	.5
155.	*	.1	.0	.0	.0	.1	.5	.5	.5
160.	*	.1	.0	.0	.0	.1	.3	.2	.2
165.	*	.1	.0	.0	.0	.1	.3	.2	.2
170.	*	.1	.0	.0	.0	.0	.1	.1	.0
175.	*	.1	.0	.0	.0	.0	.0	.0	.0
180.	*	.1	.0	.0	.0	.0	.0	.0	.0
185.	*	.1	.0	.0	.0	.0	.0	.0	.0
190.	*	.1	.0	.0	.0	.0	.0	.0	.0
195.	*	.1	.0	.0	.0	.0	.0	.0	.0
200.	*	.1	.0	.0	.0	.0	.0	.0	.0
205.	*	.1	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9NB30AM

RUN: PurpleLine S9NB30AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.1	.0	.0	.0	.0	.0	.0	.0
215.	*	.2	.0	.0	.0	.0	.0	.0	.0
220.	*	.2	.0	.0	.0	.0	.0	.0	.0

225.	*	.2	.0	.0	.0	.0	.0	.0	.0
230.	*	.2	.0	.0	.0	.0	.0	.0	.0
235.	*	.2	.0	.0	.0	.0	.0	.0	.0
240.	*	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.0	.1	.1	.0	.0	.0	.0
250.	*	.2	.1	.1	.1	.0	.0	.0	.0
255.	*	.1	.1	.2	.2	.0	.0	.0	.0
260.	*	.1	.2	.2	.2	.1	.0	.0	.0
265.	*	.1	.2	.2	.2	.3	.0	.0	.0
270.	*	.0	.2	.2	.2	.3	.0	.0	.0
275.	*	.0	.2	.2	.2	.3	.0	.0	.0
280.	*	.0	.2	.2	.2	.3	.0	.0	.0
285.	*	.0	.2	.2	.2	.3	.0	.0	.0
290.	*	.0	.2	.2	.2	.3	.0	.0	.0
295.	*	.0	.2	.2	.2	.3	.0	.0	.0
300.	*	.0	.2	.2	.2	.3	.0	.0	.0
305.	*	.0	.2	.2	.2	.3	.1	.0	.0
310.	*	.0	.2	.2	.2	.3	.1	.0	.0
315.	*	.0	.2	.2	.2	.3	.1	.0	.0
320.	*	.0	.1	.2	.2	.3	.1	.0	.1
325.	*	.0	.1	.2	.2	.3	.2	.1	.1
330.	*	.0	.2	.2	.2	.2	.1	.1	.2
335.	*	.0	.2	.2	.3	.3	.2	.2	.3
340.	*	.0	.2	.2	.3	.3	.2	.3	.3
345.	*	.0	.2	.2	.3	.4	.4	.3	.6
350.	*	.0	.2	.2	.3	.6	.6	.5	.7
355.	*	.0	.2	.2	.5	.7	.6	.7	.8
360.	*	.0	.2	.2	.5	.7	.4	.8	.7
-----									
MAX	*	.3	.3	.4	.8	.7	.8	.8	.8
DEGR.	*	75	20	45	30	0	125	0	130

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 150 DEGREES FROM REC15.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 0 DEGREES FROM REC17.  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 165 DEGREES FROM REC2 .

PurpleLine	S9NB30PM				60.0321.0.0000.000280.30480000			1	1
SE MID S		1247.		667.	5.0				
SE 164 S		1210.		742.	5.0				
SE 82 S		1179.		818.	5.0				
SE CNR		1162.		921.	5.0				
SE 82 E		1254.		939.	5.0				
SE 164 E		1335.		942.	5.0				
SE MID E		1417.		946.	5.0				
NE MID E		1398.		1028.	5.0				
NE 164 E		1316.		1025.	5.0				
NE 82 E		1235.		1022.	5.0				
NE CNR		1120.		1053.	5.0				
NE 82 N		1079.		1172.	5.0				
NE 164 N		1064.		1255.	5.0				
NE MID N		1060.		1337.	5.0				
NW MID N		953.		1280.	5.0				
NW 164 N		963.		1200.	5.0				
NW 82 N		977.		1118.	5.0				
NW CNR		974.		1010.	5.0				
NW 82 W		881.		950.	5.0				
NW 164 W		804.		923.	5.0				
NW MID W		727.		896.	5.0				
SW MID W		764.		819.	5.0				
SW 164 W		841.		847.	5.0				
SW 82 W		918.		874.	5.0				
SW CNR		1011.		888.	5.0				
SW 82 S		1063.		810.	5.0				
SW 164 S		1093.		734.	5.0				
SW MID S		1128.		660.	5.0				
PurpleLine	S9NB30PM			40	1	0			
0	1								
0	1	193nbAP	AG	1607.	19.	1539.	154.	2510	2.7 0 56 30.
0	1	193nbAP	AG	1539.	154.	1356.	431.	2510	2.7 0 56 30.
0	1	193nbTR	AG	1355.	431.	1246.	605.	2205	2.7 0 56 30.
0	1	193nbTR	AG	1246.	605.	1179.	734.	2205	2.7 0 56 30.
0	2	193nbTR	AG	1179.	734.	1085.	969.	2205	2.7 0 56 30.
0	1	193nbTRq	AG	1111.	905.	1175.	745.	0.	36 3
0	1	120	64	2.0	2205	29.1	1688	1 3	
0	1	193nbL	AG	1220.	602.	1151.	735.	305	2.7 0 32 30.
0	2	193nbL	AG	1151.	735.	1065.	963.	305	2.7 0 32 30.
0	1	193nbLq	AG	1089.	898.	1149.	740.	0.	12 1
0	1	120	99	2.0	305	29.1	1770	1 3	
0	1	193nbD	AG	1085.	969.	1036.	1255.	2700	2.7 0 56 30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	2700	2.7 0 56 30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	2700	2.7 0 56 30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	2640	2.7 0 56 30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	2640	2.7 0 56 30.
0	2	193sbTR	AG	983.	1246.	1032.	974.	2360	2.7 0 56 30.
0	1	193sbTRq	AG	1023.	1026.	983.	1243.	0.	36 3
0	1	120	64	2.0	2360	29.1	1669	1 3	
0	2	193sbL	AG	1003.	1238.	1054.	980.	280	2.7 0 56 30.
0	1	193sbLq	AG	1044.	1032.	1005.	1229.	0.	12 1
0	1	120	99	2.0	280	29.1	1770	1 3	
0	1	193sbD	AG	1035.	975.	1110.	760.	2455	2.7 0 56 30.
0	1	193sbD	AG	1110.	760.	1201.	578.	2455	2.7 0 56 30.
0	1	193sbD	AG	1201.	578.	1			

0		320ebD	AG	1055.	945.	1146.	959.	1310	2.7	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	1310	2.7	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	1310	2.7	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	870	2.7	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	870	2.7	0	44	30.
0	1	320wbTR	AG	1283.	1003.	1068.	995.	795	2.7	0	44	30.
0	2	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
		120	88	2.0	795	29.1	1673	1	3			
0	1	320wbL	AG	1278.	988.	1070.	982.	75	2.7	0	32	30.
0	2	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
		120	84	2.0	75	29.1	1770	1	3			
0	1	320wbD	AG	1068.	994.	344.	735.	1140	2.7	0	44	30.
0	1	320wbD	AG	344.	735.	15.	633.	1140	2.7	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9NB30PM

RUN: PurpleLine S9NB30PM

DATE: 10/01/2007 TIME: 14:54:24.95

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	2510.	2.7	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	2510.	2.7	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	2205.	2.7	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	2205.	2.7	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	2205.	2.7	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1270.2	506.9	*	429.	158. AG	125.	100.0	.0	36.0	1.01 21.8
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	305.	2.7	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	305.	2.7	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1373.1	149.8	*	800.	159. AG	64.	100.0	.0	12.0	1.22 40.7
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	2700.	2.7	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	2700.	2.7	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	2700.	2.7	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	2640.	2.7	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	2640.	2.7	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	2360.	2.7	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	835.0	2046.1	*	1037.	350. AG	125.	100.0	.0	36.0	1.09 52.7
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	280.	2.7	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	940.5	1554.9	*	533.	349. AG	64.	100.0	.0	12.0	1.12 27.1
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	2455.	2.7	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	2455.	2.7	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	2455.	2.7	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	2455.	2.7	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	2455.	2.7	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	1585.	2.7	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	1585.	2.7	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	1235.	2.7	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	77.6	602.0	*	984.	251. AG	99.	100.0	.0	24.0	1.11 50.0
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	350.	2.7	.0	32.0	
29. 0	230ebLq	999.0	946.0	872.7	901.4	*	134.	251. AG	46.	100.0	.0	12.0	.52 6.8
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	1310.	2.7	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1310.	2.7	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1310.	2.7	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	870.	2.7	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	870.	2.7	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	795.	2.7	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	1486.4	1011.1	*	358.	88. AG	114.	100.0	.0	24.0	1.02 18.2
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	75.	2.7	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1166.4	985.0	*	34.	88. AG	55.	100.0	.0	12.0	.16 1.8
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	1140.	2.7	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	1140.	2.7	.0	44.0	

JOB: PurpleLine S9NB30PM

RUN: PurpleLine S9NB30PM

DATE: 10/01/2007 TIME: 14:54:24.95

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	64	2.0	2205	1688	29.10	1	3
9. 0	193nbLq	120	99	2.0	305	1770	29.10	1	3
16. 0	193sbTRq	120	64	2.0	2360	1669	29.10	1	3
18. 0	193sbLq	120	99	2.0	280	1770	29.10	1	3
27. 0	230ebTRq	120	76	2.0	1235	1669	29.10	1	3
29. 0	230ebLq	120	70	2.0	350	1770	29.10	1	3
36. 0	230wbTRq	120	88	2.0	795	1673	29.10	1	3
38. 0	230wbLq	120	84	2.0	75	1770	29.10	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*

15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

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PAGE 3

JOB: PurpleLine S9NB30PM

RUN: PurpleLine S9NB30PM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.1	.2	.3	.3	.3	.0	.0	.0	.2	.3	.3	1.1	1.0	1.1	.6	.1	.1
5.	*	.1	.1	.1	.2	.3	.3	.3	.0	.0	.0	.2	.2	.1	1.2	1.1	1.1	.6	.1	.1
10.	*	.1	.1	.1	.2	.3	.3	.3	.0	.0	.0	.1	.1	.1	1.1	1.1	1.0	.8	.1	.1
15.	*	.1	.1	.1	.2	.3	.3	.3	.0	.0	.0	.0	.1	.1	1.2	1.1	1.1	.8	.1	.1
20.	*	.1	.1	.1	.3	.3	.3	.3	.0	.0	.0	.0	.1	.1	1.1	1.0	1.0	.7	.1	.1
25.	*	.0	.1	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.7	.2	.1
30.	*	.0	.1	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	1.0	.9	.9	.7	.2	.1
35.	*	.0	.1	.1	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	1.0	.9	.8	.7	.3	.1
40.	*	.0	.1	.1	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.8	.9	.8	.7	.3	.1
45.	*	.0	.0	.1	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.3	.1
50.	*	.0	.0	.1	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.8	.9	.8	.6	.3	.2
55.	*	.0	.0	.1	.3	.5	.5	.4	.0	.0	.0	.0	.0	.0	.8	.9	.8	.6	.4	.2
60.	*	.0	.0	.0	.3	.5	.4	.3	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.2
65.	*	.0	.0	.0	.3	.5	.4	.3	.0	.0	.0	.0	.0	.0	.8	.8	.8	.4	.3	.1
70.	*	.0	.0	.0	.2	.4	.4	.3	.0	.1	.1	.0	.0	.0	.8	.8	.8	.3	.4	.1
75.	*	.0	.0	.0	.2	.4	.4	.3	.2	.2	.1	.0	.0	.0	.8	.8	.8	.5	.2	.2
80.	*	.0	.0	.0	.2	.3	.2	.2	.2	.2	.3	.0	.0	.0	.8	.8	.8	.5	.2	.4
85.	*	.0	.0	.0	.2	.3	.2	.2	.2	.3	.3	.1	.0	.0	.8	.8	.8	.4	.2	.4
90.	*	.0	.0	.0	.1	.1	.1	.1	.4	.5	.5	.1	.0	.0	.8	.8	.8	.3	.4	.5
95.	*	.0	.0	.0	.1	.1	.1	.1	.4	.5	.7	.1	.0	.0	.8	.8	.8	.4	.6	.4
100.	*	.0	.0	.0	.0	.1	.1	.1	.5	.6	.7	.3	.0	.0	.8	.8	.9	.4	.5	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.5	.6	.8	.3	.0	.0	.9	.8	.9	.4	.7	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.8	.3	.1	.0	.9	.9	.9	.5	.7	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.7	.3	.1	.0	.8	.9	.9	.4	.6	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.3	.1	.0	1.0	.9	.9	.5	.6	.5
125.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.3	.1	.1	1.1	.9	.9	.5	.7	.5
130.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.3	.1	.1	1.1	.9	.9	.5	.6	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.6	.3	.1	.1	1.0	1.1	.9	.6	.6	.4
140.	*	.1	.1	.0	.0	.0	.0	.0	.6	.6	.6	.2	.1	.1	.9	1.0	1.0	.5	.6	.4
145.	*	.2	.2	.1	.0	.0	.0	.0	.6	.6	.6	.2	.1	.2	1.1	1.1	1.0	.5	.4	.3
150.	*	.4	.3	.3	.1	.0	.0	.0	.6	.6	.6	.3	.2	.2	1.2	1.1	1.0	.4	.5	.4
155.	*	.5	.4	.4	.1	.0	.0	.0	.6	.5	.5	.3	.3	.2	1.0	1.2	1.0	.9	.5	.4
160.	*	.4	.7	.6	.2	.0	.0	.0	.5	.6	.5	.3	.3	.3	1.1	1.0	.7	.5	.5	.4
165.	*	.6	.8	.8	.4	.0	.0	.0	.5	.5	.5	.3	.3	.3	1.1	.7	.6	.4	.5	.4
170.	*	.6	.9	.8	.4	.0	.0	.0	.5	.5	.6	.5	.4	.4	.7	.4	.4	.3	.5	.4
175.	*	.7	.8	1.0	.6	.1	.0	.0	.5	.5	.6	.5	.5	.4	.5	.4	.2	.3	.5	.4
180.	*	.8	.9	1.0	.6	.1	.0	.0	.5	.5	.6	.5	.5	.4	.3	.2	.3	.2	.3	.3
185.	*	.8	.8	1.0	.6	.1	.0	.0	.6	.6	.6	.5	.4	.6	.6	.2	.3	.2	.3	.4
190.	*	.8	.8	.9	.6	.1	.1	.0	.6	.6	.6	.4	.5	.6	.6	.1	.2	.2	.4	.4
195.	*	.7	.8	.8	.6	.1	.1	.0	.6	.7	.6	.4	.6	.7	.7	.1	.1	.1	.4	.4
200.	*	.7	.8	.8	.7	.1	.1	.0	.6	.6	.7	.3	.6	.7	.7	.1	.1	.1	.4	.4
205.	*	.8	.8	.8	.6	.1	.1	.1	.7	.7	.8	.3	.7	.8	.7	.1	.1	.1	.4	.4

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JOB: PurpleLine S9NB30PM

RUN: PurpleLine S9NB30PM

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.7	.8	.8	.6	.2	.1	.1	.7	.7	.8	.3	.8	.8	.8	.1	.1	.1	.3	.4
215.	*	.7	.8	.8	.6	.2	.1	.1	.7	.7	.8	.4	.8	.8	.8	.1	.1	.1	.3	.4
220.	*	.7	.8	.8	.5	.2	.1	.1	.7	.7	.9	.4	.8	.7	.8	.1	.1	.1	.3	.4
225.	*	.7	.7	.7	.5	.2	.1	.1	.7	.7	.9	.5	.7	.7	.6	.0	.1	.1	.4	.5
230.	*	.7	.7	.8	.5	.2	.1	.1	.7	.7	.8	.6	.7	.7	.6	.0	.1	.1	.4	.5
235.	*	.7	.7	.7	.5	.3	.1	.1	.7	.7	.8	.6	.7	.6	.6	.0	.0	.1	.3	.5
240.	*	.7	.6	.7	.5	.3	.1	.1	.8	.7	.7	.5	.7	.6	.6	.0	.0	.1	.2	.5
245.	*	.7	.7	.7	.5	.4	.1	.1	.8	.8	.6	.5	.6	.6	.6	.0	.0	.0	.2	.4
250.	*	.7	.7	.7	.4	.4	.2	.1	.8	.7	.6	.6	.6	.6	.6	.0	.0	.0	.2	.3
255.	*	.7	.7	.8	.5	.4	.2	.3	.8	.6	.5	.6	.6	.6	.6	.0	.0	.0	.1	.2
260.	*	.7	.7	.8	.5	.5	.2	.2	.6	.6	.6	.4	.6	.7	.6	.0	.0	.0	.0	.1
265.	*	.7	.8	.8	.5	.4	.2	.2	.4	.4	.5	.4	.6	.7	.6	.0	.0	.0	.0	.1
270.	*	.7	.8	.8	.5	.3	.2	.3	.4	.3	.4	.5	.6	.6	.6	.0	.0	.0	.0	.0

275.	*	.8	.7	.9	.6	.2	.2	.2	.3	.4	.4	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0
280.	*	.8	1.0	.9	.4	.1	.2	.3	.2	.3	.4	.6	.6	.7	.6	.0	.0	.0	.0	.0	.0
285.	*	.8	1.0	.9	.3	.2	.3	.4	.2	.3	.3	.6	.6	.7	.6	.0	.0	.0	.0	.0	.0
290.	*	.8	.9	.9	.3	.3	.3	.5	.1	.2	.3	.6	.6	.7	.6	.0	.0	.0	.0	.0	.0
295.	*	.9	.9	.9	.3	.4	.5	.5	.1	.2	.3	.6	.6	.7	.6	.0	.0	.0	.0	.0	.0
300.	*	.9	.9	.9	.5	.5	.5	.4	.1	.1	.2	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0
305.	*	1.0	.8	.8	.5	.6	.5	.4	.1	.1	.2	.6	.7	.6	.6	.0	.0	.0	.0	.0	.0
310.	*	1.0	.8	.8	.5	.5	.4	.4	.1	.1	.2	.6	.8	.6	.8	.0	.0	.0	.0	.0	.0
315.	*	.9	.8	.7	.5	.5	.4	.4	.1	.1	.2	.6	.7	.6	.8	.0	.0	.0	.0	.0	.0
320.	*	.9	.9	.7	.4	.5	.4	.4	.1	.1	.1	.6	.8	.7	.7	.0	.0	.0	.0	.0	.0
325.	*	.9	.8	.8	.6	.5	.4	.4	.1	.1	.1	.6	.8	.8	.7	.1	.0	.0	.0	.0	.0
330.	*	.6	.7	.7	.7	.4	.4	.4	.0	.1	.2	.5	.7	.8	.7	.1	.1	.2	.0	.0	.0
335.	*	.5	.6	.6	.5	.4	.4	.3	.0	.1	.2	.6	.8	.8	.6	.2	.1	.2	.1	.0	.0
340.	*	.5	.6	.4	.5	.4	.3	.3	.0	.0	.1	.5	.8	.7	.6	.4	.4	.3	.1	.0	.0
345.	*	.4	.3	.4	.4	.3	.3	.3	.0	.0	.0	.3	.7	.6	.5	.6	.5	.4	.2	.0	.0
350.	*	.2	.3	.4	.4	.3	.3	.3	.0	.0	.0	.3	.6	.5	.5	.8	.8	.9	.3	.1	.0
355.	*	.1	.2	.2	.2	.3	.3	.3	.0	.0	.0	.2	.4	.5	.5	1.0	1.0	1.1	.5	.1	.0
360.	*	.1	.1	.1	.2	.3	.3	.3	.0	.0	.0	.2	.2	.3	.3	1.1	1.0	1.1	.6	.1	.1
MAX		1.0	1.0	1.0	.7	.6	.5	.5	.8	.8	.9	.6	.8	.8	.8	1.2	1.2	1.1	.8	.7	.5
DEGR.	*	305	280	175	200	305	55	290	240	245	220	230	210	205	210	15	5	0	10	105	90

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JOB: PurpleLine S9NB30PM

RUN: PurpleLine S9NB30PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.5	.6	.7	.8	.6	.8	.8
5.	.1	.6	.6	.8	.8	.6	.7	.7
10.	.1	.6	.6	.9	.6	.5	.6	.6
15.	.1	.6	.6	.9	.5	.6	.7	.6
20.	.1	.6	.6	.9	.5	.6	.8	.7
25.	.1	.6	.6	.9	.4	.6	.8	.7
30.	.1	.6	.6	.9	.3	.6	.7	.7
35.	.1	.7	.8	.9	.3	.6	.7	.6
40.	.1	.8	.9	.9	.4	.7	.7	.6
45.	.1	.8	.9	.8	.5	.7	.8	.6
50.	.1	.7	.8	.6	.4	.7	.8	.6
55.	.2	.7	.6	.6	.4	.7	.6	.6
60.	.2	.5	.5	.5	.4	.7	.6	.6
65.	.1	.5	.6	.5	.4	.7	.6	.6
70.	.1	.3	.4	.4	.5	.6	.6	.6
75.	.2	.3	.5	.4	.6	.6	.6	.6
80.	.3	.2	.3	.5	.6	.6	.6	.6
85.	.4	.3	.4	.4	.5	.6	.6	.6
90.	.4	.1	.2	.3	.4	.6	.7	.6
95.	.4	.1	.1	.3	.5	.6	.6	.6
100.	.5	.1	.1	.3	.5	.6	.6	.6
105.	.5	.1	.1	.3	.6	.6	.6	.6
110.	.5	.1	.1	.2	.6	.6	.7	.6
115.	.5	.1	.1	.2	.6	.6	.7	.7
120.	.5	.0	.1	.1	.6	.7	.7	.7
125.	.4	.0	.1	.1	.6	.8	.7	.7
130.	.4	.0	.0	.2	.6	.7	.7	.7
135.	.4	.0	.0	.1	.6	.7	.8	.6
140.	.4	.0	.0	.1	.5	.7	.6	.6
145.	.3	.0	.0	.0	.4	.5	.6	.5
150.	.4	.0	.0	.0	.4	.5	.5	.5
155.	.4	.0	.0	.0	.4	.4	.5	.3
160.	.4	.0	.0	.0	.0	.3	.3	.3
165.	.4	.0	.0	.0	.0	.2	.1	.1
170.	.4	.0	.0	.0	.0	.2	.1	.1
175.	.4	.0	.0	.0	.0	.1	.1	.0
180.	.3	.0	.0	.0	.0	.0	.0	.0
185.	.4	.0	.0	.0	.0	.0	.0	.0
190.	.4	.0	.0	.0	.0	.0	.0	.0
195.	.4	.0	.0	.0	.0	.0	.0	.0
200.	.4	.0	.0	.0	.0	.0	.0	.0
205.	.4	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9NB30PM

RUN: PurpleLine S9NB30PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.4	.0	.0	.0	.0	.0	.0	.0
215.	.4	.0	.0	.0	.0	.0	.0	.0
220.	.4	.0	.0	.0	.0	.0	.0	.0

225.	*	.4	.0	.0	.0	.0	.0	.0
230.	*	.4	.1	.1	.1	.0	.0	.0
235.	*	.4	.1	.2	.2	.0	.0	.0
240.	*	.4	.3	.3	.3	.1	.0	.0
245.	*	.3	.3	.3	.3	.1	.0	.0
250.	*	.2	.4	.4	.4	.3	.0	.0
255.	*	.2	.4	.6	.6	.3	.1	.0
260.	*	.1	.6	.7	.7	.4	.1	.0
265.	*	.1	.7	.7	.7	.5	.1	.0
270.	*	.0	.7	.7	.7	.5	.1	.0
275.	*	.0	.7	.7	.7	.5	.1	.1
280.	*	.0	.6	.7	.7	.5	.1	.1
285.	*	.0	.6	.6	.6	.4	.1	.1
290.	*	.0	.5	.6	.6	.5	.1	.1
295.	*	.0	.5	.5	.5	.5	.1	.1
300.	*	.0	.5	.5	.5	.5	.1	.1
305.	*	.0	.5	.5	.5	.5	.1	.1
310.	*	.0	.5	.5	.5	.5	.1	.1
315.	*	.0	.5	.5	.6	.5	.1	.2
320.	*	.0	.5	.5	.6	.5	.2	.1
325.	*	.0	.5	.5	.6	.5	.2	.1
330.	*	.0	.5	.5	.6	.4	.3	.2
335.	*	.0	.5	.5	.6	.5	.3	.4
340.	*	.0	.5	.5	.6	.5	.4	.4
345.	*	.0	.5	.5	.6	.5	.6	.7
350.	*	.0	.5	.5	.7	.6	.7	.7
355.	*	.0	.5	.6	.7	.7	.8	.7
360.	*	.0	.5	.6	.7	.8	.6	.8
-----								
MAX	*	.5	.8	.9	.9	.8	.8	.8
DEGR.	*	100	40	40	10	0	125	20

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 15 DEGREES FROM REC15.  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 5 DEGREES FROM REC16.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 0 DEGREES FROM REC17.



PurpleLine S9 BRTLOW2030AM				60.0321.0.0000.000280.30480000	1	1	
SE MID S	1247.	667.	5.0				
SE 164 S	1210.	742.	5.0				
SE 82 S	1179.	818.	5.0				
SE CNR	1162.	921.	5.0				
SE 82 E	1254.	939.	5.0				
SE 164 E	1335.	942.	5.0				
SE MID E	1417.	946.	5.0				
NE MID E	1398.	1028.	5.0				
NE 164 E	1316.	1025.	5.0				
NE 82 E	1235.	1022.	5.0				
NE CNR	1120.	1053.	5.0				
NE 82 N	1079.	1172.	5.0				
NE 164 N	1064.	1255.	5.0				
NE MID N	1060.	1337.	5.0				
NW MID N	953.	1280.	5.0				
NW 164 N	963.	1200.	5.0				
NW 82 N	977.	1118.	5.0				
NW CNR	974.	1010.	5.0				
NW 82 W	881.	950.	5.0				
NW 164 W	804.	923.	5.0				
NW MID W	727.	896.	5.0				
SW MID W	764.	819.	5.0				
SW 164 W	841.	847.	5.0				
SW 82 W	918.	874.	5.0				
SW CNR	1011.	888.	5.0				
SW 82 S	1063.	810.	5.0				
SW 164 S	1093.	734.	5.0				
SW MID S	1128.	660.	5.0				
PurpleLine S9 BRTLOW2030AM		56	1	0			
1							
0	193nbAP	AG	1607.	19.	1539.	154.	795 2.7 0 56 30.
0	193nbAP	AG	1539.	154.	1356.	431.	795 2.7 0 56 30.
0	193nbTR	AG	1355.	431.	1246.	605.	580 2.7 0 56 30.
0	193nbTR	AG	1246.	605.	1179.	734.	580 2.7 0 56 30.
0	193nbTR	AG	1179.	734.	1085.	969.	580 2.7 0 56 30.
0	193nbTRq	AG	1111.	905.	1175.	745.	0. 36 3
120	62		2.0	580	29.1	1669 1 3	
0	193nbL	AG	1220.	602.	1151.	735.	215 2.7 0 32 30.
0	193nbL	AG	1151.	735.	1065.	963.	215 2.7 0 32 30.
0	193nbLq	AG	1089.	898.	1149.	740.	0. 12 1
120	63		2.0	215	29.1	1770 1 3	
0	193nbD	AG	1085.	969.	1036.	1255.	625 2.7 0 56 30.
0	193nbD	AG	1033.	1254.	1015.	1684.	625 2.7 0 56 30.
0	193nbD	AG	1015.	1684.	1007.	1970.	625 2.7 0 56 30.
0	193sbAP	AG	953.	1972.	973.	1408.	1525 2.7 0 56 30.
0	193sbAP	AG	973.	1408.	986.	1249.	1525 2.7 0 56 30.
0	193sbTR	AG	983.	1246.	1032.	974.	1495 2.7 0 56 30.
0	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3
120	67		2.0	1495	29.1	1673 1 3	
0	193sbL	AG	1003.	1238.	1054.	980.	30 2.7 0 56 30.
0	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1
120	68		2.0	30	29.1	1770 1 3	
0	193sbD	AG	1035.	975.	1110.	760.	1330 2.7 0 56 30.
0	193sbD	AG	1110.	760.	1201.	578.	1330 2.7 0 56 30.
0	193sbD	AG	1201.	578.	1348.	352.	1330 2.7 0 56 30.
0	193sbD	AG	1348.	352.	1467.	172.	1330 2.7 0 56 30.
0	193sbD	AG	1467.	172.	1551.	20.	1330 2.7 0 56 30.
0	320ebAP	AG	14.	596.	316.	687.	2005 2.7 0 44 30.
0	320ebAP	AG	316.	687.	578.	780.	2005 2.7 0 44 30.
0	320ebTR	AG	580.	779.	1055.	945.	1760 2.7 0 44 30.
0	230ebTRq	AG	1006.	928.	593.	783.	0. 24 2
120	74		2.0	1760	29.1	1674 1 3	
0	320ebL	AG	576.	797.	1048.	963.	245 2.7 0 32 30.
0	230ebLq	AG	999.	946.	585.	800.	0. 12 1
120	102		2.0	245	29.1	1770 1 3	
1							

0		320ebD	AG	1055.	945.	1146.	959.	1865	2.7	0	44	30.
1												
0		320ebD	AG	1146.	959.	2056.	1001.	1865	2.7	0	44	30.
1												
0		320ebD	AG	2056.	1001.	2211.	1019.	1865	2.7	0	44	30.
1												
0		320wbA	AG	2213.	1053.	2060.	1035.	2180	2.7	0	44	30.
1												
0		320wbA	AG	2060.	1035.	1283.	1002.	2180	2.7	0	44	30.
1												
0		320wbTR	AG	1283.	1003.	1068.	995.	1945	2.7	0	44	30.
2												
0		230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
120		74		2.0	1945	29.1	1692	1	3			
1												
0		320wbL	AG	1278.	988.	1070.	982.	235	2.7	0	32	30.
2												
0		230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
120		102		2.0	235	29.1	1770	1	3			
1												
0		320wbD	AG	1068.	994.	344.	735.	2685	2.7	0	44	30.
1												
0		320wbD	AG	344.	735.	15.	633.	2685	2.7	0	44	30.
1												
0		BRTEB	AG	14.	589.	322.	682.	34	0.3	0	32	30.
1												
0		BRTEB	AG	322.	682.	1007.	923.	34	0.3	0	32	30.
2												
0		BRTEBQ	AG	1005.	922.	597.	779.	0.	12	1		
120		53		2.0	34	1.5	1611	1	3			
1												
0		BRTSB	AG	998.	915.	1052.	888.	34	0.3	0	32	30.
1												
0		BRTSB	AG	1052.	888.	1098.	763.	34	0.3	0	32	30.
1												
0		BRTSB	AG	1098.	763.	1175.	600.	34	0.3	0	32	30.
1												
0		BRTSB	AG	1175.	600.	1467.	155.	34	0.3	0	32	30.
1												
0		BRTSB	AG	1467.	155.	1541.	19.	34	0.3	0	32	30.
1												
0		BRTNB	AG	1618.	19.	1546.	163.	34	0.3	0	32	30.
1												
0		BRTNB	AG	1546.	163.	1263.	594.	34	0.3	0	32	30.
1												
0		BRTNB	AG	1263.	594.	1188.	741.	34	0.3	0	32	30.
1												
0		BRTNB	AG	1188.	741.	1099.	979.	34	0.3	0	32	30.
2												
0		BRTNBQ	AG	1125.	910.	1181.	758.	0.	12	1		
120		102		2.0	34	1.5	1770	1	3			
1												
0		BRTWB	AG	1098.	978.	937.	954.	34	0.4	0	32	30.
1												
0		BRTWB	AG	937.	954.	339.	740.	34	0.4	0	32	30.
1												
0		BRTWB	AG	339.	740.	12.	641.	34	0.4	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 BRTLOW2030AM  
 DATE: 12/17/2007 TIME: 14:31:12.48

RUN: PurpleLine S9 BRTLOW2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbAP	1607.0	19.0	1539.0	154.0	*	151.	333. AG	795.	2.7	.0	56.0	
2. 0	193nbAP	1539.0	154.0	1356.0	431.0	*	332.	327. AG	795.	2.7	.0	56.0	
3. 0	193nbTR	1355.0	431.0	1246.0	605.0	*	205.	328. AG	580.	2.7	.0	56.0	
4. 0	193nbTR	1246.0	605.0	1179.0	734.0	*	145.	333. AG	580.	2.7	.0	56.0	
5. 0	193nbTR	1179.0	734.0	1085.0	969.0	*	253.	338. AG	580.	2.7	.0	56.0	
6. 0	193nbTRq	1111.0	905.0	1135.3	844.2	*	65.	158. AG	121.	100.0	.0	36.0	.26 3.3
7. 0	193nbL	1220.0	602.0	1151.0	735.0	*	150.	333. AG	215.	2.7	.0	32.0	
8. 0	193nbL	1151.0	735.0	1065.0	963.0	*	244.	339. AG	215.	2.7	.0	32.0	
9. 0	193nbLq	1089.0	898.0	1115.3	828.8	*	74.	159. AG	41.	100.0	.0	12.0	.28 3.8
10. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	625.	2.7	.0	56.0	
11. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	625.	2.7	.0	56.0	
12. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	625.	2.7	.0	56.0	
13. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	1525.	2.7	.0	56.0	
14. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	1525.	2.7	.0	56.0	
15. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1495.	2.7	.0	56.0	
16. 0	193sbTRq	1023.0	1026.0	989.9	1205.4	*	182.	350. AG	131.	100.0	.0	36.0	.73 9.3
17. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	30.	2.7	.0	56.0	
18. 0	193sbLq	1044.0	1032.0	1041.8	1042.9	*	11.	349. AG	44.	100.0	.0	12.0	.04 .6
19. 0	193sbD	1035.0	975.0	1110.0	760.0	*	228.	161. AG	1330.	2.7	.0	56.0	
20. 0	193sbD	1110.0	760.0	1201.0	578.0	*	203.	153. AG	1330.	2.7	.0	56.0	
21. 0	193sbD	1201.0	578.0	1348.0	352.0	*	270.	147. AG	1330.	2.7	.0	56.0	
22. 0	193sbD	1348.0	352.0	1467.0	172.0	*	216.	147. AG	1330.	2.7	.0	56.0	
23. 0	193sbD	1467.0	172.0	1551.0	20.0	*	174.	151. AG	1330.	2.7	.0	56.0	
24. 0	320ebAP	14.0	596.0	316.0	687.0	*	315.	73. AG	2005.	2.7	.0	44.0	
25. 0	320ebAP	316.0	687.0	578.0	780.0	*	278.	70. AG	2005.	2.7	.0	44.0	
26. 0	320ebTR	580.0	779.0	1055.0	945.0	*	503.	71. AG	1760.	2.7	.0	44.0	
27. 0	230ebTRq	1006.0	928.0	-2236.4	-210.4	*	3436.	251. AG	96.	100.0	.0	24.0	1.50 174.6
28. 0	320ebL	576.0	797.0	1048.0	963.0	*	500.	71. AG	245.	2.7	.0	32.0	
29. 0	230ebLq	999.0	946.0	429.7	745.2	*	604.	251. AG	66.	100.0	.0	12.0	1.19 30.7
30. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	1865.	2.7	.0	44.0	
31. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1865.	2.7	.0	44.0	
32. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1865.	2.7	.0	44.0	
33. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2180.	2.7	.0	44.0	
34. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2180.	2.7	.0	44.0	
35. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1945.	2.7	.0	44.0	
36. 0	230wbTRq	1129.0	997.0	5453.2	1167.7	*	4328.	88. AG	96.	100.0	.0	24.0	1.64 219.8
37. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	235.	2.7	.0	32.0	
38. 0	230wbLq	1132.0	984.0	1628.1	998.2	*	496.	88. AG	66.	100.0	.0	12.0	1.14 25.2
39. 0	320wbD	1068.0	994.0	344.0	735.0	*	769.	250. AG	2685.	2.7	.0	44.0	
40. 0	320wbD	344.0	735.0	15.0	633.0	*	344.	253. AG	2685.	2.7	.0	44.0	
41. 0	BRTTB	14.0	589.0	322.0	682.0	*	322.	73. AG	34.	.3	.0	32.0	
42. 0	BRTTB	322.0	682.0	1007.0	923.0	*	726.	71. AG	34.	.3	.0	32.0	
43. 0	BRTTBQ	1005.0	922.0	995.7	918.7	*	10.	251. AG	2.	100.0	.0	12.0	.04 .5
44. 0	BRTSB	998.0	915.0	1052.0	888.0	*	60.	117. AG	34.	.3	.0	32.0	

JOB: PurpleLine S9 BRTLOW2030AM  
 DATE: 12/17/2007 TIME: 14:31:12.48

RUN: PurpleLine S9 BRTLOW2030AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTSB	1052.0	888.0	1098.0	763.0	*	133.	160. AG	34.	.3	.0	32.0	
46. 0	BRTSB	1098.0	763.0	1175.0	600.0	*	180.	155. AG	34.	.3	.0	32.0	
47. 0	BRTSB	1175.0	600.0	1467.0	155.0	*	532.	147. AG	34.	.3	.0	32.0	
48. 0	BRTSB	1467.0	155.0	1541.0	19.0	*	155.	151. AG	34.	.3	.0	32.0	
49. 0	BRTNB	1618.0	19.0	1546.0	163.0	*	161.	333. AG	34.	.3	.0	32.0	
50. 0	BRTNB	1546.0	163.0	1263.0	594.0	*	516.	327. AG	34.	.3	.0	32.0	
51. 0	BRTNB	1263.0	594.0	1188.0	741.0	*	165.	333. AG	34.	.3	.0	32.0	
52. 0	BRTNB	1188.0	741.0	1099.0	979.0	*	254.	339. AG	34.	.3	.0	32.0	
53. 0	BRTNBQ	1125.0	910.0	1131.6	892.2	*	19.	160. AG	3.	100.0	.0	12.0	.17 1.0
54. 0	BRTWB	1098.0	978.0	937.0	954.0	*	163.	262. AG	34.	.4	.0	32.0	
55. 0	BRTWB	937.0	954.0	339.0	740.0	*	635.	250. AG	34.	.4	.0	32.0	
56. 0	BRTWB	339.0	740.0	12.0	641.0	*	342.	253. AG	34.	.4	.0	32.0	

JOB: PurpleLine S9 BRTLOW2030AM  
 DATE: 12/17/2007 TIME: 14:31:12.48

RUN: PurpleLine S9 BRTLOW2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	120	62	2.0	580	1669	29.10	1	3
9. 0	193nbLq	120	63	2.0	215	1770	29.10	1	3

16. 0	193sbTRq	*	120	67	2.0	1495	1673	29.10	1	3
18. 0	193sbLq	*	120	68	2.0	30	1770	29.10	1	3
27. 0	230ebTRq	*	120	74	2.0	1760	1674	29.10	1	3
29. 0	230ebLq	*	120	102	2.0	245	1770	29.10	1	3
36. 0	230wbTRq	*	120	74	2.0	1945	1692	29.10	1	3
38. 0	230wbLq	*	120	102	2.0	235	1770	29.10	1	3
43. 0	BRTEBQ	*	120	53	2.0	34	1611	1.50	1	3
53. 0	BRTNBQ	*	120	102	2.0	34	1770	1.50	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

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JOB: PurpleLine S9 BRTLOW2030AM

RUN: PurpleLine S9 BRTLOW2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (PPM)	(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0	
5.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.0	.0	
10.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.0	.0	
15.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.0	.0	
20.	*	.0	.1	.2	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0	.1	.2	.6	.4	.1	.0	
25.	*	.1	.1	.2	.4	.7	.6	.6	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0	
30.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0	
35.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1	
40.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1	
45.	*	.1	.1	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.3	.2	.2	
50.	*	.1	.1	.3	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.3	.2	.2	
55.	*	.1	.1	.3	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.2	.5	.3	.2	.2	
60.	*	.1	.1	.3	.6	.6	.6	.6	.1	.1	.0	.0	.0	.0	.1	.2	.5	.3	.3	.3	
65.	*	.1	.1	.3	.6	.6	.6	.6	.2	.2	.0	.0	.0	.0	.1	.2	.5	.3	.3	.2	
70.	*	.1	.1	.3	.6	.7	.7	.7	.2	.2	.2	.0	.0	.0	.1	.2	.5	.3	.4	.4	
75.	*	.1	.1	.1	.6	.7	.7	.7	.4	.4	.4	.1	.0	.0	.0	.1	.3	.5	.3	.4	.4
80.	*	.1	.1	.1	.6	.7	.6	.6	.5	.5	.5	.1	.0	.0	.0	.1	.3	.5	.4	.4	.8
85.	*	.0	.1	.1	.5	.6	.6	.5	.7	.8	.8	.3	.1	.0	.0	.1	.3	.6	.9	.5	.8
90.	*	.0	.0	.1	.3	.4	.4	.4	.9	.9	.9	.4	.1	.1	.0	.1	.5	.6	.8	.9	.8
95.	*	.0	.0	.0	.2	.2	.2	.2	1.0	1.0	1.0	.5	.1	.1	.1	.2	.5	.6	.8	.8	.8
100.	*	.0	.0	.0	.0	.2	.2	1.0	1.0	1.0	1.0	.6	.1	.1	.1	.2	.5	.7	.6	.7	.6
105.	*	.0	.0	.0	.0	.1	.1	1.0	1.0	1.0	1.0	.6	.2	.1	.1	.2	.5	.7	.6	.6	.7
110.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.9	.6	.2	.1	.1	.2	.6	.7	.5	.6	.7
115.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.9	.5	.2	.1	.1	.2	.6	.7	.3	.6	.7
120.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.9	.5	.1	.1	.1	.2	.6	.7	.3	.6	.7
125.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.9	.5	.1	.1	.1	.2	.6	.7	.4	.6	.7
130.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.7	.5	.1	.1	.1	.3	.8	.7	.3	.6	.6
135.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.7	.5	.1	.1	.1	.3	.7	.6	.3	.5	.6
140.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.7	.5	.1	.1	.1	.3	.7	.6	.4	.5	.6
145.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.7	.5	.1	.1	.0	.3	.7	.6	.4	.5	.5
150.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.7	.4	.1	.1	.0	.4	.7	.7	.4	.5	.5
155.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.7	.4	.1	.0	.0	.4	.6	.6	.4	.6	.6
160.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.7	.3	.0	.0	.0	.4	.6	.5	.4	.6	.6
165.	*	.0	.1	.0	.0	.0	.0	.7	.7	.7	.7	.2	.0	.0	.0	.4	.5	.4	.4	.6	.6
170.	*	.1	.1	.0	.0	.0	.0	.7	.7	.7	.7	.2	.1	.1	.0	.3	.3	.3	.5	.5	.5

175.	*	.1	.1	.0	.0	.0	.0	.7	.7	.7	.4	.1	.1	.1	.2	.4	.3	.5	.5	.5
180.	*	.1	.1	.0	.0	.0	.0	.7	.7	.7	.3	.1	.2	.1	.2	.3	.4	.5	.5	.5
185.	*	.1	.1	.1	.1	.0	.0	.7	.7	.7	.3	.1	.2	.1	.1	.3	.2	.5	.6	.6
190.	*	.1	.1	.1	.1	.0	.0	.7	.7	.7	.2	.2	.3	.2	.0	.2	.2	.5	.6	.6
195.	*	.0	.2	.2	.1	.0	.0	.7	.7	.7	.2	.4	.4	.2	.0	.2	.2	.5	.7	.7
200.	*	.0	.2	.2	.1	.0	.0	.7	.7	.7	.2	.4	.5	.3	.1	.2	.2	.5	.7	.7
205.	*	.0	.1	.2	.2	.0	.0	.7	.7	.7	.1	.5	.6	.3	.1	.2	.2	.5	.7	.7

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JOB: PurpleLine S9 BRTLOW2030AM

RUN: PurpleLine S9 BRTLOW2030AM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
-----																					
210.	*	.0	.1	.1	.2	.0	.0	.7	.7	.7	.2	.6	.6	.3	.1	.2	.2	.5	.7	.7	
215.	*	.0	.1	.0	.2	.0	.0	.7	.7	.8	.3	.6	.6	.3	.1	.2	.2	.5	.7	.7	
220.	*	.0	.1	.0	.3	.0	.0	.7	.8	.8	.4	.6	.6	.2	.1	.2	.2	.5	.7	.7	
225.	*	.1	.1	.0	.3	.0	.0	.7	.8	.7	.4	.6	.5	.3	.1	.2	.2	.6	.8	.8	
230.	*	.1	.1	.0	.3	.1	.0	.8	.9	.7	.5	.6	.4	.3	.1	.1	.2	.6	.8	.8	
235.	*	.1	.1	.0	.3	.1	.0	.9	.9	.8	.5	.6	.3	.3	.1	.1	.2	.6	.8	.8	
240.	*	.2	.1	.0	.4	.2	.0	1.0	.9	.9	.6	.6	.3	.3	.1	.1	.2	.6	.8	.8	
245.	*	.2	.1	.1	.4	.2	.1	1.0	1.0	.9	.7	.5	.3	.1	.0	.1	.1	.5	.8	.7	
250.	*	.1	.1	.3	.5	.2	.1	1.2	1.1	1.1	.6	.5	.1	.1	.0	.0	.1	.2	.7	.6	
255.	*	.1	.2	.2	.7	.4	.2	1.1	1.0	.9	.4	.4	.0	.2	.0	.0	.0	.2	.5	.4	
260.	*	.2	.2	.2	.7	.4	.3	1.0	.9	.6	.4	.4	.0	.2	.0	.0	.0	.2	.3	.3	
265.	*	.2	.2	.2	.7	.4	.3	.9	.7	.6	.2	.4	.0	.2	.0	.0	.0	.0	.2	.2	
270.	*	.2	.1	.3	.6	.3	.4	.6	.5	.4	.2	.4	.0	.2	.0	.0	.0	.0	.1	.1	
275.	*	.2	.1	.3	.5	.4	.5	.4	.4	.3	.2	.4	.1	.2	.0	.0	.0	.0	.1	.1	
280.	*	.3	.1	.4	.4	.3	.5	.5	.2	.4	.3	.3	.1	.2	.0	.0	.0	.0	.1	.1	
285.	*	.3	.2	.6	.2	.5	.5	.6	.2	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	
290.	*	.3	.2	.6	.2	.5	.5	.7	.1	.1	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	
295.	*	.3	.2	.5	.2	.6	.6	.6	.0	.1	.1	.3	.3	.1	.2	.0	.0	.0	.0	.0	
300.	*	.1	.4	.4	.3	.6	.7	.6	.0	.0	.1	.3	.3	.1	.2	.0	.0	.0	.0	.0	
305.	*	.1	.2	.5	.3	.6	.6	.6	.0	.0	.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	
310.	*	.1	.2	.5	.3	.6	.6	.6	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	
315.	*	.0	.3	.4	.4	.6	.7	.6	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	
320.	*	.0	.2	.4	.3	.6	.6	.6	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	
325.	*	.0	.2	.4	.3	.6	.6	.6	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	
330.	*	.0	.2	.3	.3	.5	.6	.6	.0	.0	.0	.1	.1	.1	.2	.0	.0	.0	.0	.0	
335.	*	.0	.1	.2	.5	.5	.5	.6	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	
340.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.2	.0	.0	
345.	*	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.0	.0	
350.	*	.0	.0	.0	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	
355.	*	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.2	.0	
360.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.0	.0	
-----																					
MAX	*	.3	.4	.6	.7	.7	.7	1.2	1.1	1.1	.7	.6	.6	.3	.4	.8	.7	.9	.9	.8	
DEGR.	*	280	300	285	55	25	70	70	250	250	245	210	205	200	150	130	100	85	90	80	

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JOB: PurpleLine S9 BRTLOW2030AM

RUN: PurpleLine S9 BRTLOW2030AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE *	(PPM)								
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	
-----									
0.	*	.0	.7	.7	.7	.5	.2	.1	
5.	*	.0	.7	.7	.8	.5	.1	.1	
10.	*	.0	.7	.7	.8	.5	.1	.1	
15.	*	.0	.7	.7	.8	.5	.2	.1	
20.	*	.0	.7	.7	.8	.4	.2	.1	
25.	*	.0	.8	.9	.8	.3	.2	.1	
30.	*	.0	.8	.9	.8	.3	.3	.2	
35.	*	.0	.8	.9	.8	.2	.3	.2	
40.	*	.0	1.0	1.0	.8	.4	.3	.2	
45.	*	.1	.9	.9	.7	.5	.4	.2	
50.	*	.2	.8	.8	.7	.5	.4	.2	
55.	*	.2	.8	.7	.6	.4	.4	.2	
60.	*	.2	.7	.7	.6	.6	.4	.2	
65.	*	.2	.8	.8	.5	.6	.5	.2	
70.	*	.4	.7	.5	.5	.5	.5	.2	
75.	*	.6	.5	.5	.4	.6	.4	.2	
80.	*	.8	.3	.3	.4	.6	.2	.2	
85.	*	.8	.3	.3	.3	.4	.2	.1	
90.	*	.8	.2	.2	.2	.4	.2	.1	
95.	*	.9	.0	.0	.1	.3	.1	.1	
100.	*	.7	.0	.0	.0	.2	.1	.1	
105.	*	.7	.0	.0	.0	.2	.1	.1	
110.	*	.7	.0	.0	.0	.2	.1	.1	
115.	*	.7	.0	.0	.0	.2	.1	.1	
120.	*	.7	.0	.0	.0	.1	.1	.1	
125.	*	.7	.0	.0	.0	.1	.1	.1	
130.	*	.6	.0	.0	.0	.1	.2	.1	

135.	*	.6	.0	.0	.0	.1	.2	.2	.2
140.	*	.6	.0	.0	.0	.1	.2	.2	.2
145.	*	.5	.0	.0	.0	.1	.2	.1	.2
150.	*	.5	.0	.0	.0	.0	.2	.1	.2
155.	*	.5	.0	.0	.0	.0	.2	.1	.1
160.	*	.6	.0	.0	.0	.0	.2	.1	.1
165.	*	.6	.0	.0	.0	.0	.1	.1	.0
170.	*	.5	.0	.0	.0	.0	.0	.0	.0
175.	*	.5	.0	.0	.0	.0	.0	.0	.0
180.	*	.5	.0	.0	.0	.0	.0	.0	.0
185.	*	.6	.0	.0	.0	.0	.0	.0	.0
190.	*	.6	.0	.0	.0	.0	.0	.0	.0
195.	*	.7	.0	.0	.0	.0	.0	.0	.0
200.	*	.7	.0	.0	.0	.0	.0	.0	.0
205.	*	.7	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 BRTLOW2030AM

RUN: PurpleLine S9 BRTLOW2030AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.7	.0	.0	.0	.0	.0	.0	.0
215.	*	.7	.0	.0	.0	.0	.0	.0	.0
220.	*	.7	.0	.0	.0	.0	.0	.0	.0
225.	*	.8	.0	.0	.0	.0	.0	.0	.0
230.	*	.8	.1	.2	.2	.0	.0	.0	.0
235.	*	.9	.2	.2	.2	.1	.0	.0	.0
240.	*	.8	.3	.3	.3	.1	.0	.0	.0
245.	*	.7	.4	.5	.7	.3	.1	.0	.0
250.	*	.6	.7	.8	.8	.5	.1	.0	.0
255.	*	.4	.9	.8	.8	.6	.1	.1	.0
260.	*	.3	.8	.8	.8	.6	.1	.1	.1
265.	*	.1	.8	.9	1.0	.7	.2	.1	.1
270.	*	.1	.9	.9	1.0	.7	.2	.1	.1
275.	*	.1	.9	.9	.9	.7	.4	.1	.1
280.	*	.0	.9	.9	.9	.7	.4	.2	.1
285.	*	.0	.9	.9	.9	.6	.4	.2	.1
290.	*	.0	.8	.8	.8	.5	.4	.2	.1
295.	*	.0	.8	.8	.8	.5	.4	.2	.1
300.	*	.0	.8	.8	.8	.5	.4	.2	.1
305.	*	.0	.7	.7	.7	.5	.3	.2	.1
310.	*	.0	.7	.7	.7	.5	.3	.2	.1
315.	*	.0	.7	.7	.7	.5	.3	.2	.1
320.	*	.0	.7	.7	.7	.5	.3	.2	.0
325.	*	.0	.7	.7	.7	.5	.3	.2	.1
330.	*	.0	.7	.7	.7	.5	.4	.2	.1
335.	*	.0	.7	.7	.7	.5	.3	.1	.1
340.	*	.0	.7	.7	.7	.5	.3	.1	.2
345.	*	.0	.7	.7	.7	.4	.3	.2	.2
350.	*	.0	.7	.7	.7	.5	.3	.2	.2
355.	*	.0	.7	.7	.7	.5	.2	.1	.2
360.	*	.0	.7	.7	.7	.5	.2	.2	.1
MAX	*	.9	1.0	1.0	1.0	.7	.5	.4	.2
DEGR.	*	95	40	40	265	265	65	25	30

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC10 .

PurpleLine S9 BRTLOW2030PM			60.0321.0.0000.000280.30480000	1	1
SE MID S	1247.	667.	5.0		
SE 164 S	1210.	742.	5.0		
SE 82 S	1179.	818.	5.0		
SE CNR	1162.	921.	5.0		
SE 82 E	1254.	939.	5.0		
SE 164 E	1335.	942.	5.0		
SE MID E	1417.	946.	5.0		
NE MID E	1398.	1028.	5.0		
NE 164 E	1316.	1025.	5.0		
NE 82 E	1235.	1022.	5.0		
NE CNR	1120.	1053.	5.0		
NE 82 N	1079.	1172.	5.0		
NE 164 N	1064.	1255.	5.0		
NE MID N	1060.	1337.	5.0		
NW MID N	953.	1280.	5.0		
NW 164 N	963.	1200.	5.0		
NW 82 N	977.	1118.	5.0		
NW CNR	974.	1010.	5.0		
NW 82 W	881.	950.	5.0		
NW 164 W	804.	923.	5.0		
NW MID W	727.	896.	5.0		
SW MID W	764.	819.	5.0		
SW 164 W	841.	847.	5.0		
SW 82 W	918.	874.	5.0		
SW CNR	1011.	888.	5.0		
SW 82 S	1063.	810.	5.0		
SW 164 S	1093.	734.	5.0		
SW MID S	1128.	660.	5.0		
PurpleLine S9 BRTLOW2030PM		56	1	0	
1					
0	193nbAP	AG	1607.	19.	1539. 154. 1585 2.7 0 56 30.
0	193nbAP	AG	1539.	154.	1356. 431. 1585 2.7 0 56 30.
0	193nbTR	AG	1355.	431.	1246. 605. 1235 2.7 0 56 30.
0	193nbTR	AG	1246.	605.	1179. 734. 1235 2.7 0 56 30.
0	193nbTR	AG	1179.	734.	1085. 969. 1235 2.7 0 56 30.
0	193nbTRq	AG	1111.	905.	1175. 745. 0. 36 3
120	77		2.0	1235	29.1 1713 1 3
0	193nbL	AG	1220.	602.	1151. 735. 350 2.7 0 32 30.
0	193nbL	AG	1151.	735.	1065. 963. 350 2.7 0 32 30.
0	193nbLq	AG	1089.	898.	1149. 740. 0. 12 1
120	71		2.0	350	29.1 1770 1 3
0	193nbD	AG	1085.	969.	1036. 1255. 1310 2.7 0 56 30.
0	193nbD	AG	1033.	1254.	1015. 1684. 1310 2.7 0 56 30.
0	193nbD	AG	1015.	1684.	1007. 1970. 1310 2.7 0 56 30.
0	193sbAP	AG	953.	1972.	973. 1408. 870 2.7 0 56 30.
0	193sbAP	AG	973.	1408.	986. 1249. 870 2.7 0 56 30.
0	193sbTR	AG	983.	1246.	1032. 974. 795 2.7 0 56 30.
0	193sbTRq	AG	1023.	1026.	983. 1243. 0. 36 3
120	88		2.0	795	29.1 1701 1 3
0	193sbL	AG	1003.	1238.	1054. 980. 75 2.7 0 56 30.
0	193sbLq	AG	1044.	1032.	1005. 1229. 0. 12 1
120	85		2.0	75	29.1 1770 1 3
0	193sbD	AG	1035.	975.	1110. 760. 1140 2.7 0 56 30.
0	193sbD	AG	1110.	760.	1201. 578. 1140 2.7 0 56 30.
0	193sbD	AG	1201.	578.	1348. 352. 1140 2.7 0 56 30.
0	193sbD	AG	1348.	352.	1467. 172. 1140 2.7 0 56 30.
0	193sbD	AG	1467.	172.	1551. 20. 1140 2.7 0 56 30.
0	320ebAP	AG	14.	596.	316. 687. 2640 2.7 0 44 30.
0	320ebAP	AG	316.	687.	578. 780. 2640 2.7 0 44 30.
0	320ebTR	AG	580.	779.	1055. 945. 2360 2.7 0 44 30.
0	230ebTRq	AG	1006.	928.	593. 783. 0. 24 2
120	65		2.0	2360	29.1 1669 1 3
0	320ebL	AG	576.	797.	1048. 963. 280 2.7 0 32 30.
0	230ebLq	AG	999.	946.	585. 800. 0. 12 1
120	97		2.0	280	29.1 1770 1 3
1					

0		320ebD	AG	1055.	945.	1146.	959.	2455	2.7	0	44	30.
1												
0		320ebD	AG	1146.	959.	2056.	1001.	2455	2.7	0	44	30.
1												
0		320ebD	AG	2056.	1001.	2211.	1019.	2455	2.7	0	44	30.
1												
0		320wbA	AG	2213.	1053.	2060.	1035.	2510	2.7	0	44	30.
1												
0		320wbA	AG	2060.	1035.	1283.	1002.	2510	2.7	0	44	30.
1												
0		320wbTR	AG	1283.	1003.	1068.	995.	2205	2.7	0	44	30.
2												
0		230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
120		65		2.0	2205	29.1	1688	1	3			
1												
0		320wbL	AG	1278.	988.	1070.	982.	305	2.7	0	32	30.
2												
0		230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
120		97		2.0	305	29.1	1770	1	3			
1												
0		320wbD	AG	1068.	994.	344.	735.	2700	2.7	0	44	30.
1												
0		320wbD	AG	344.	735.	15.	633.	2700	2.7	0	44	30.
1												
0		BRTEB	AG	14.	589.	322.	682.	34	0.3	0	32	30.
1												
0		BRTEB	AG	322.	682.	1007.	923.	34	0.3	0	32	30.
2												
0		BRTEBQ	AG	1005.	922.	597.	779.	0.	12	1		
120		61		2.0	34	1.5	1611	1	3			
1												
0		BRTSB	AG	998.	915.	1052.	888.	34	0.3	0	32	30.
1												
0		BRTSB	AG	1052.	888.	1098.	763.	34	0.3	0	32	30.
1												
0		BRTSB	AG	1098.	763.	1175.	600.	34	0.3	0	32	30.
1												
0		BRTSB	AG	1175.	600.	1467.	155.	34	0.3	0	32	30.
1												
0		BRTSB	AG	1467.	155.	1541.	19.	34	0.3	0	32	30.
1												
0		BRTNB	AG	1618.	19.	1546.	163.	34	0.3	0	32	30.
1												
0		BRTNB	AG	1546.	163.	1263.	594.	34	0.3	0	32	30.
1												
0		BRTNB	AG	1263.	594.	1188.	741.	34	0.3	0	32	30.
1												
0		BRTNB	AG	1188.	741.	1099.	979.	34	0.3	0	32	30.
2												
0		BRTNBQ	AG	1125.	910.	1181.	758.	0.	12	1		
120		97		2.0	34	1.5	1770	1	3			
1												
0		BRTWB	AG	1098.	978.	937.	954.	34	0.3	0	32	30.
1												
0		BRTWB	AG	937.	954.	339.	740.	34	0.3	0	32	30.
1												
0		BRTWB	AG	339.	740.	12.	641.	34	0.3	0	32	30.
1.0	04	1000	0Y	5	0	72						



JOB: PurpleLine S9 BRTLOW2030PM  
DATE: 12/17/2007 TIME: 14:47:28.06

RUN: PurpleLine S9 BRTLOW2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. 0	193nbAP	* 1607.0	19.0	1539.0	154.0	*	151.	333. AG	1585.	2.7	.0	56.0		
2. 0	193nbAP	* 1539.0	154.0	1356.0	431.0	*	332.	327. AG	1585.	2.7	.0	56.0		
3. 0	193nbTR	* 1355.0	431.0	1246.0	605.0	*	205.	328. AG	1235.	2.7	.0	56.0		
4. 0	193nbTR	* 1246.0	605.0	1179.0	734.0	*	145.	333. AG	1235.	2.7	.0	56.0		
5. 0	193nbTR	* 1179.0	734.0	1085.0	969.0	*	253.	338. AG	1235.	2.7	.0	56.0		
6. 0	193nbTRq	* 1111.0	905.0	1175.3	744.3	*	173.	158. AG	150.	100.0	.0	36.0	.74	8.8
7. 0	193nbL	* 1220.0	602.0	1151.0	735.0	*	150.	333. AG	350.	2.7	.0	32.0		
8. 0	193nbL	* 1151.0	735.0	1065.0	963.0	*	244.	339. AG	350.	2.7	.0	32.0		
9. 0	193nbLq	* 1089.0	898.0	1137.2	771.0	*	136.	159. AG	46.	100.0	.0	12.0	.53	6.9
10. 0	193nbD	* 1085.0	969.0	1036.0	1255.0	*	290.	350. AG	1310.	2.7	.0	56.0		
11. 0	193nbD	* 1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	1310.	2.7	.0	56.0		
12. 0	193nbD	* 1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	1310.	2.7	.0	56.0		
13. 0	193sbAP	* 953.0	1972.0	973.0	1408.0	*	564.	178. AG	870.	2.7	.0	56.0		
14. 0	193sbAP	* 973.0	1408.0	986.0	1249.0	*	160.	175. AG	870.	2.7	.0	56.0		
15. 0	193sbTR	* 983.0	1246.0	1032.0	974.0	*	276.	170. AG	795.	2.7	.0	56.0		
16. 0	193sbTRq	* 1023.0	1026.0	999.9	1151.4	*	128.	350. AG	172.	100.0	.0	36.0	.67	6.5
17. 0	193sbL	* 1003.0	1238.0	1054.0	980.0	*	263.	169. AG	75.	2.7	.0	56.0		
18. 0	193sbLq	* 1044.0	1032.0	1037.2	1066.2	*	35.	349. AG	55.	100.0	.0	12.0	.16	1.8
19. 0	193sbD	* 1035.0	975.0	1110.0	760.0	*	228.	161. AG	1140.	2.7	.0	56.0		
20. 0	193sbD	* 1110.0	760.0	1201.0	578.0	*	203.	153. AG	1140.	2.7	.0	56.0		
21. 0	193sbD	* 1201.0	578.0	1348.0	352.0	*	270.	147. AG	1140.	2.7	.0	56.0		
22. 0	193sbD	* 1348.0	352.0	1467.0	172.0	*	216.	147. AG	1140.	2.7	.0	56.0		
23. 0	193sbD	* 1467.0	172.0	1551.0	20.0	*	174.	151. AG	1140.	2.7	.0	56.0		
24. 0	320ebAP	* 14.0	596.0	316.0	687.0	*	315.	73. AG	2640.	2.7	.0	44.0		
25. 0	320ebAP	* 316.0	687.0	578.0	780.0	*	278.	70. AG	2640.	2.7	.0	44.0		
26. 0	320ebTR	* 580.0	779.0	1055.0	945.0	*	503.	71. AG	2360.	2.7	.0	44.0		
27. 0	230ebTRq	* 1006.0	928.0	-3967.1	-818.0	*	5271.	251. AG	85.	100.0	.0	24.0	1.66	267.8
28. 0	320ebL	* 576.0	797.0	1048.0	963.0	*	500.	71. AG	280.	2.7	.0	32.0		
29. 0	230ebLq	* 999.0	946.0	782.2	869.5	*	230.	251. AG	63.	100.0	.0	12.0	1.00	11.7
30. 0	320ebD	* 1055.0	945.0	1146.0	959.0	*	92.	81. AG	2455.	2.7	.0	44.0		
31. 0	320ebD	* 1146.0	959.0	2056.0	1001.0	*	911.	87. AG	2455.	2.7	.0	44.0		
32. 0	320ebD	* 2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	2455.	2.7	.0	44.0		
33. 0	320wbA	* 2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2510.	2.7	.0	44.0		
34. 0	320wbA	* 2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2510.	2.7	.0	44.0		
35. 0	320wbTR	* 1283.0	1003.0	1068.0	995.0	*	215.	268. AG	2205.	2.7	.0	44.0		
36. 0	230wbTRq	* 1129.0	997.0	5506.7	1169.8	*	4381.	88. AG	85.	100.0	.0	24.0	1.54	222.6
37. 0	320wbL	* 1278.0	988.0	1070.0	982.0	*	208.	268. AG	305.	2.7	.0	32.0		
38. 0	230wbLq	* 1132.0	984.0	1628.3	998.2	*	497.	88. AG	63.	100.0	.0	12.0	1.09	25.2
39. 0	320wbD	* 1068.0	994.0	344.0	735.0	*	769.	250. AG	2700.	2.7	.0	44.0		
40. 0	320wbD	* 344.0	735.0	15.0	633.0	*	344.	253. AG	2700.	2.7	.0	44.0		
41. 0	BRTTB	* 14.0	589.0	322.0	682.0	*	322.	73. AG	34.	.3	.0	32.0		
42. 0	BRTTB	* 322.0	682.0	1007.0	923.0	*	726.	71. AG	34.	.3	.0	32.0		
43. 0	BRTTBQ	* 1005.0	922.0	994.3	918.2	*	11.	251. AG	2.	100.0	.0	12.0	.05	.6
44. 0	BRTSB	* 998.0	915.0	1052.0	888.0	*	60.	117. AG	34.	.3	.0	32.0		

JOB: PurpleLine S9 BRTLOW2030PM  
DATE: 12/17/2007 TIME: 14:47:28.06

RUN: PurpleLine S9 BRTLOW2030PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
45. 0	BRTSB	* 1052.0	888.0	1098.0	763.0	*	133.	160. AG	34.	.3	.0	32.0		
46. 0	BRTSB	* 1098.0	763.0	1175.0	600.0	*	180.	155. AG	34.	.3	.0	32.0		
47. 0	BRTSB	* 1175.0	600.0	1467.0	155.0	*	532.	147. AG	34.	.3	.0	32.0		
48. 0	BRTSB	* 1467.0	155.0	1541.0	19.0	*	155.	151. AG	34.	.3	.0	32.0		
49. 0	BRTNB	* 1618.0	19.0	1546.0	163.0	*	161.	333. AG	34.	.3	.0	32.0		
50. 0	BRTNB	* 1546.0	163.0	1263.0	594.0	*	516.	327. AG	34.	.3	.0	32.0		
51. 0	BRTNB	* 1263.0	594.0	1188.0	741.0	*	165.	333. AG	34.	.3	.0	32.0		
52. 0	BRTNB	* 1188.0	741.0	1099.0	979.0	*	254.	339. AG	34.	.3	.0	32.0		
53. 0	BRTNBQ	* 1125.0	910.0	1131.2	893.1	*	18.	160. AG	3.	100.0	.0	12.0	.12	.9
54. 0	BRTWB	* 1098.0	978.0	937.0	954.0	*	163.	262. AG	34.	.3	.0	32.0		
55. 0	BRTWB	* 937.0	954.0	339.0	740.0	*	635.	250. AG	34.	.3	.0	32.0		
56. 0	BRTWB	* 339.0	740.0	12.0	641.0	*	342.	253. AG	34.	.3	.0	32.0		

JOB: PurpleLine S9 BRTLOW2030PM  
DATE: 12/17/2007 TIME: 14:47:28.06

RUN: PurpleLine S9 BRTLOW2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	193nbTRq	* 120	77	2.0	1235	1713	29.10	1	3
9. 0	193nbLq	* 120	71	2.0	350	1770	29.10	1	3

16. 0	193sbTRq	*	120	88	2.0	795	1701	29.10	1	3
18. 0	193sbLq	*	120	85	2.0	75	1770	29.10	1	3
27. 0	230ebTRq	*	120	65	2.0	2360	1669	29.10	1	3
29. 0	230ebLq	*	120	97	2.0	280	1770	29.10	1	3
36. 0	230wbTRq	*	120	65	2.0	2205	1688	29.10	1	3
38. 0	230wbLq	*	120	97	2.0	305	1770	29.10	1	3
43. 0	BRTEBQ	*	120	61	2.0	34	1611	1.50	1	3
53. 0	BRTNBQ	*	120	97	2.0	34	1770	1.50	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1247.0	667.0	5.0	*
2. SE 164 S	*	1210.0	742.0	5.0	*
3. SE 82 S	*	1179.0	818.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	881.0	950.0	5.0	*
20. NW 164 W	*	804.0	923.0	5.0	*
21. NW MID W	*	727.0	896.0	5.0	*
22. SW MID W	*	764.0	819.0	5.0	*
23. SW 164 W	*	841.0	847.0	5.0	*
24. SW 82 W	*	918.0	874.0	5.0	*
25. SW CNR	*	1011.0	888.0	5.0	*
26. SW 82 S	*	1063.0	810.0	5.0	*
27. SW 164 S	*	1093.0	734.0	5.0	*
28. SW MID S	*	1128.0	660.0	5.0	*

1

JOB: PurpleLine S9 BRTLOW2030PM

RUN: PurpleLine S9 BRTLOW2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (PPM)	(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.0	.2	.1	.0	.0
5.	*	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.0	.0
10.	*	.0	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.3	.0	.0
15.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.4	.0	.0
20.	*	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.0	.0
25.	*	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.1	.0
30.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.6	.1	.0
35.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.6	.1	.0
40.	*	.0	.3	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.5	.1	.1
45.	*	.0	.3	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
50.	*	.1	.3	.3	.5	.7	.8	.8	.0	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
55.	*	.1	.3	.3	.6	.7	.8	.8	.0	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
60.	*	.1	.3	.3	.6	.8	.8	.8	.1	.1	.0	.0	.0	.0	.0	.2	.1	.7	.5	.3	.3
65.	*	.1	.2	.3	.6	.8	.8	.8	.1	.1	.0	.0	.0	.0	.0	.2	.1	.7	.4	.3	.3
70.	*	.1	.1	.3	.6	.8	.8	.8	.2	.2	.3	.0	.0	.0	.0	.2	.2	.7	.4	.4	.4
75.	*	.1	.1	.2	.6	.9	.8	.7	.3	.3	.3	.0	.0	.0	.0	.2	.2	.7	.5	.4	.5
80.	*	.0	.1	.2	.6	.7	.7	.7	.4	.5	.6	.1	.0	.0	.0	.2	.2	.7	.6	.5	.9
85.	*	.0	.0	.1	.5	.7	.7	.6	.7	.8	.8	.2	.0	.0	.0	.2	.2	.8	.9	.8	.9
90.	*	.0	.0	.0	.3	.5	.4	.4	1.0	1.0	.9	.4	.1	.0	.0	.2	.3	.8	.8	.8	.9
95.	*	.0	.0	.0	.2	.4	.3	.3	1.0	1.0	.9	.5	.1	.1	.0	.2	.3	.9	.7	.8	.8
100.	*	.0	.0	.0	.1	.1	.1	1.1	1.1	1.1	1.1	.6	.2	.1	.1	.2	.3	1.0	.5	.8	.7
105.	*	.0	.0	.0	.0	.1	.1	1.1	1.1	1.1	1.1	.6	.3	.1	.1	.2	.3	1.0	.5	.7	.7
110.	*	.0	.0	.0	.0	.1	.1	1.1	1.1	1.1	1.1	.6	.3	.1	.1	.2	.4	.9	.6	.7	.7
115.	*	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	1.0	.6	.3	.2	.1	.2	.4	1.0	.3	.7	.7
120.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.9	.5	.3	.1	.1	.2	.5	1.0	.4	.7	.6
125.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.9	.5	.2	.1	.0	.3	.4	1.0	.4	.7	.6
130.	*	.0	.0	.0	.0	.0	.0	.9	.9	.8	.5	.2	.1	.0	.0	.2	.4	.9	.5	.7	.5
135.	*	.0	.0	.0	.0	.0	.0	.8	.8	.7	.5	.2	.1	.0	.1	.4	.8	.5	.5	.5	.5
140.	*	.0	.0	.0	.0	.0	.0	.8	.8	.7	.4	.2	.1	.0	.2	.4	.7	.5	.5	.5	.5
145.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.4	.2	.0	.0	.3	.5	.7	.5	.5	.5	.5
150.	*	.1	.1	.0	.0	.0	.0	.7	.7	.7	.4	.2	.0	.0	.3	.5	.8	.5	.5	.5	.5
155.	*	.2	.1	.1	.0	.0	.0	.7	.7	.7	.5	.1	.1	.0	.3	.5	.7	.5	.6	.6	.6
160.	*	.2	.1	.2	.1	.0	.0	.7	.7	.7	.5	.3	.1	.0	.2	.5	.6	.4	.6	.6	.6
165.	*	.2	.1	.3	.1	.0	.0	.7	.7	.7	.3	.2	.1	.0	.2	.4	.5	.4	.6	.6	.6
170.	*	.2	.1	.4	.2	.0	.0	.7	.7	.7	.5	.2	.2	.1	.2	.4	.4	.5	.5	.5	.5

175.	*	.3	.1	.3	.3	.0	.0	.0	.7	.7	.7	.5	.2	.2	.3	.1	.4	.3	.5	.5	.5
180.	*	.3	.1	.4	.3	.0	.0	.0	.7	.7	.7	.4	.2	.3	.3	.1	.2	.3	.5	.5	.5
185.	*	.1	.1	.4	.4	.0	.0	.0	.7	.7	.8	.4	.2	.3	.3	.1	.2	.3	.5	.5	.5
190.	*	.1	.1	.5	.4	.0	.0	.0	.7	.7	.8	.4	.3	.3	.3	.0	.1	.3	.5	.5	.5
195.	*	.1	.1	.6	.4	.1	.0	.0	.7	.7	.8	.3	.4	.4	.3	.0	.2	.3	.5	.6	.6
200.	*	.1	.2	.5	.4	.1	.0	.0	.7	.7	.8	.3	.4	.5	.2	.0	.2	.3	.5	.6	.6
205.	*	.1	.2	.5	.4	.1	.0	.0	.7	.8	.3	.5	.4	.2	.0	.2	.3	.5	.6	.6	.5

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JOB: PurpleLine S9 BRTLOW2030PM

RUN: PurpleLine S9 BRTLOW2030PM

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WIND	*	CONCENTRATION																				
ANGLE	*	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20		
210.	*	.1	.2	.5	.4	.1	.0	.0	.7	.8	.8	.5	.6	.4	.1	.0	.2	.3	.5	.7	.6	
215.	*	.1	.2	.5	.4	.1	.0	.0	.7	.8	.8	.4	.6	.4	.1	.0	.2	.3	.5	.7	.6	
220.	*	.1	.2	.5	.4	.1	.1	.0	.9	.9	.8	.5	.6	.4	.1	.1	.2	.3	.5	.7	.6	
225.	*	.1	.2	.5	.4	.1	.1	.0	.9	.9	.8	.5	.5	.4	.2	.1	.2	.2	.5	.8	.7	
230.	*	.1	.2	.5	.4	.1	.1	.0	1.0	.9	.9	.6	.5	.2	.2	.1	.1	.2	.5	.8	.7	
235.	*	.2	.2	.5	.4	.1	.1	.1	1.0	.9	1.0	.5	.5	.2	.2	.1	.1	.2	.5	.8	.7	
240.	*	.2	.2	.6	.4	.1	.1	.1	1.0	1.0	1.2	.5	.5	.2	.2	.1	.1	.2	.5	.7	.7	
245.	*	.2	.2	.6	.4	.2	.2	.2	.9	1.1	1.2	.6	.4	.2	.1	.0	.1	.1	.4	.7	.7	
250.	*	.2	.2	.7	.6	.3	.3	1.2	1.1	1.1	.6	.4	.1	.1	.0	.0	.1	.2	.7	.5		
255.	*	.2	.4	.7	.6	.5	.3	1.1	1.1	.9	.4	.2	.1	.1	.0	.0	.0	.2	.4	.4		
260.	*	.3	.3	.8	.6	.5	.5	.4	1.1	.9	.8	.4	.2	.1	.1	.0	.0	.1	.3	.3		
265.	*	.3	.4	.8	.6	.4	.5	.4	1.0	.8	.6	.3	.2	.2	.1	.0	.0	.0	.2	.2		
270.	*	.3	.4	1.0	.6	.6	.4	.5	.6	.5	.5	.3	.1	.2	.1	.0	.0	.0	.1	.1		
275.	*	.3	.4	1.0	.5	.5	.4	.6	.4	.4	.4	.3	.1	.1	.1	.0	.0	.0	.1	.1		
280.	*	.3	.5	1.0	.5	.5	.6	.6	.2	.4	.3	.3	.1	.1	.1	.0	.0	.0	.1	.1		
285.	*	.3	.6	1.0	.4	.4	.6	.7	.2	.2	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0		
290.	*	.1	.6	1.1	.3	.6	.7	.7	.1	.1	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0		
295.	*	.1	.7	1.1	.4	.7	.7	.6	.1	.0	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0		
300.	*	.2	.6	1.0	.5	.7	.6	.6	.0	.0	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0		
305.	*	.2	.5	.7	.5	.7	.6	.6	.0	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0		
310.	*	.2	.5	.6	.4	.6	.7	.6	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0		
315.	*	.3	.5	.6	.4	.5	.6	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0		
320.	*	.4	.5	.6	.4	.5	.6	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0		
325.	*	.4	.5	.5	.5	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0		
330.	*	.4	.4	.5	.5	.5	.5	.5	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0		
335.	*	.4	.4	.4	.6	.5	.5	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0		
340.	*	.1	.3	.2	.5	.5	.5	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0		
345.	*	.1	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0		
350.	*	.1	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.2	.2	.1	.0	.0	.1	.1	.0		
355.	*	.0	.0	.2	.4	.5	.5	.5	.0	.0	.0	.0	.2	.1	.1	.1	.0	.1	.1	.0		
360.	*	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.0	.2	.1	.0		
MAX	*	.4	.7	1.1	.6	.9	.8	.8	1.2	1.1	1.2	.6	.6	.5	.3	.3	.5	1.0	.9	.8	.9	
DEGR.	*	320	295	290	55	75	50	50	250	100	240	100	210	200	175	125	120	100	85	85	80	

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JOB: PurpleLine S9 BRTLOW2030PM

RUN: PurpleLine S9 BRTLOW2030PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION								
ANGLE	*	(PPM)								
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28		
0.	*	.0	.5	.7	.5	.2	.2	.4		
5.	*	.0	.5	.7	.4	.1	.4	.4		
10.	*	.0	.6	.7	.8	.5	.2	.5		
15.	*	.0	.6	.7	.8	.6	.3	.5		
20.	*	.0	.7	.7	.8	.6	.4	.5		
25.	*	.0	.8	.9	.8	.4	.4	.5		
30.	*	.0	.9	1.0	.9	.3	.6	.7		
35.	*	.0	.9	1.0	.9	.4	.6	.7		
40.	*	.0	1.0	1.0	.9	.4	.7	.6		
45.	*	.1	1.0	.9	.8	.4	.7	.6		
50.	*	.2	.8	.8	.8	.5	.7	.6		
55.	*	.2	.8	.8	.6	.5	.7	.7		
60.	*	.3	.8	.8	.7	.6	.8	.7		
65.	*	.2	.8	.8	.6	.6	.8	.6		
70.	*	.3	.7	.7	.5	.7	.8	.5		
75.	*	.7	.6	.5	.6	.7	.8	.4		
80.	*	.8	.4	.6	.6	.6	.7	.3		
85.	*	.9	.4	.5	.4	.6	.6	.2		
90.	*	.8	.3	.3	.4	.5	.5	.2		
95.	*	.8	.1	.2	.2	.5	.5	.2		
100.	*	.6	.0	.1	.1	.4	.5	.1		
105.	*	.6	.0	.1	.1	.4	.4	.1		
110.	*	.6	.0	.0	.1	.4	.4	.1		
115.	*	.6	.0	.0	.1	.4	.3	.2		
120.	*	.5	.0	.0	.1	.3	.2	.2		
125.	*	.5	.0	.0	.0	.3	.2	.1		
130.	*	.4	.0	.0	.0	.2	.2	.1		

135.	*	.4	.0	.0	.0	.2	.3	.1	.1
140.	*	.4	.0	.0	.0	.2	.2	.1	.2
145.	*	.4	.0	.0	.0	.1	.2	.1	.2
150.	*	.4	.0	.0	.0	.0	.2	.1	.1
155.	*	.5	.0	.0	.0	.0	.2	.1	.1
160.	*	.5	.0	.0	.0	.0	.1	.1	.1
165.	*	.5	.0	.0	.0	.0	.0	.1	.0
170.	*	.4	.0	.0	.0	.0	.0	.0	.0
175.	*	.4	.0	.0	.0	.0	.0	.0	.0
180.	*	.4	.0	.0	.0	.0	.0	.0	.0
185.	*	.4	.0	.0	.0	.0	.0	.0	.0
190.	*	.4	.0	.0	.0	.0	.0	.0	.0
195.	*	.5	.0	.0	.0	.0	.0	.0	.0
200.	*	.5	.0	.0	.0	.0	.0	.0	.0
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 BRTLOW2030PM

RUN: PurpleLine S9 BRTLOW2030PM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.6	.0	.0	.0	.0	.0	.0	.0
215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.7	.0	.1	.1	.0	.0	.0	.0
230.	*	.8	.2	.2	.2	.0	.0	.0	.0
235.	*	.8	.2	.2	.2	.1	.0	.0	.0
240.	*	.8	.3	.4	.4	.2	.0	.0	.0
245.	*	.7	.5	.4	.5	.3	.1	.0	.0
250.	*	.6	.7	.7	.7	.4	.1	.0	.0
255.	*	.4	.9	.8	.8	.5	.1	.1	.1
260.	*	.3	.9	.8	.8	.6	.1	.1	.1
265.	*	.1	.9	.9	1.0	.7	.2	.1	.1
270.	*	.1	.9	.9	1.0	.6	.3	.1	.1
275.	*	.1	.8	.9	1.0	.6	.3	.1	.1
280.	*	.0	.8	.8	.9	.6	.3	.2	.1
285.	*	.0	.8	.8	.9	.6	.3	.2	.1
290.	*	.0	.8	.9	.9	.6	.3	.3	.1
295.	*	.0	.7	.9	.9	.6	.3	.3	.1
300.	*	.0	.7	.8	.8	.6	.3	.3	.1
305.	*	.0	.6	.7	.7	.6	.3	.3	.0
310.	*	.0	.6	.7	.7	.6	.3	.3	.0
315.	*	.0	.5	.7	.7	.6	.3	.3	.0
320.	*	.0	.5	.6	.6	.6	.3	.3	.0
325.	*	.0	.5	.7	.7	.6	.3	.1	.0
330.	*	.0	.5	.7	.7	.6	.3	.2	.1
335.	*	.0	.5	.6	.6	.5	.4	.1	.1
340.	*	.0	.5	.6	.6	.6	.4	.1	.1
345.	*	.0	.5	.6	.6	.5	.4	.2	.3
350.	*	.0	.5	.7	.6	.5	.3	.2	.2
355.	*	.0	.5	.7	.6	.5	.2	.2	.4
360.	*	.0	.5	.7	.7	.5	.2	.2	.4
MAX	*	.9	1.0	1.0	1.0	.7	.8	.7	.4
DEGR.	*	85	40	30	265	70	60	30	0

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 240 DEGREES FROM REC10 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 290 DEGREES FROM REC3 .

PurpleLine S9 HighBRT2030AM				60.0321.0.0000.000280.30480000				1	1
SE MID S		1256.	672.	5.0					
SE 164 S		1220.	746.	5.0					
SE 82 S		1189.	822.	5.0					
SE CNR		1162.	921.	5.0					
SE 82 E		1254.	939.	5.0					
SE 164 E		1335.	942.	5.0					
SE MID E		1417.	946.	5.0					
NE MID E		1398.	1028.	5.0					
NE 164 E		1316.	1025.	5.0					
NE 82 E		1235.	1022.	5.0					
NE CNR		1120.	1053.	5.0					
NE 82 N		1079.	1172.	5.0					
NE 164 N		1064.	1255.	5.0					
NE MID N		1060.	1337.	5.0					
NW MID N		953.	1280.	5.0					
NW 164 N		963.	1200.	5.0					
NW 82 N		977.	1118.	5.0					
NW CNR		974.	1010.	5.0					
NW 82 W		877.	962.	5.0					
NW 164 W		801.	934.	5.0					
NW MID W		723.	907.	5.0					
SW MID W		768.	808.	5.0					
SW 164 W		845.	836.	5.0					
SW 82 W		922.	863.	5.0					
SW CNR		1005.	876.	5.0					
SW 82 S		1051.	806.	5.0					
SW 164 S		1082.	729.	5.0					
SW MID S		1116.	655.	5.0					
PurpleLine S9 HighBRT2030AM				60	1	0			
0	1	193nbD	AG	1085.	969.	1036.	1255.	625 2.7 0 56 30.	
0	1	193nbD	AG	1033.	1254.	1015.	1684.	625 2.7 0 56 30.	
0	1	193nbD	AG	1015.	1684.	1007.	1970.	625 2.7 0 56 30.	
0	1	193sbAP	AG	953.	1972.	973.	1408.	1525 2.7 0 56 30.	
0	1	193sbAP	AG	973.	1408.	986.	1249.	1525 2.7 0 56 30.	
0	1	193sbTR	AG	983.	1246.	1032.	974.	1495 2.7 0 56 30.	
0	2	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3	
120	68			2.0	1495	29.1	1673 1 3		
0	1	193sbL	AG	1003.	1238.	1054.	980.	30 2.7 0 56 30.	
0	2	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1	
120	69			2.0	30	29.1	1770 1 3		
0	1	320ebD	AG	1055.	945.	1146.	959.	1865 2.7 0 44 30.	
0	1	320ebD	AG	1146.	959.	2056.	1001.	1865 2.7 0 44 30.	
0	1	320ebD	AG	2056.	1001.	2211.	1019.	1865 2.7 0 44 30.	
0	1	320wbA	AG	2213.	1053.	2060.	1035.	2180 2.7 0 44 30.	
0	1	320wbA	AG	2060.	1035.	1283.	1002.	2180 2.7 0 44 30.	
0	1	320wbTR	AG	1283.	1003.	1068.	995.	1945 2.7 0 44 30.	
0	2	230wbTRq	AG	1129.	997.	1281.	1003.	0. 24 2	
120	73			2.0	1945	29.1	1692 1 3		
0	1	320wbL	AG	1278.	988.	1070.	982.	235 2.7 0 32 30.	
0	2	230wbLq	AG	1132.	984.	1272.	988.	0. 12 1	
120	101			2.0	235	29.1	1770 1 3		
0	1	193nbAP	AG	1623.	20.	1546.	163.	793 2.7 0 56 30.	
0	1	193nbAP	AG	1546.	163.	1360.	444.	793 2.7 0 56 30.	
0	1	193nbTR	AG	1359.	444.	1250.	622.	580 2.7 0 56 30.	
0	1	193nbTR	AG	1250.	622.	1195.	729.	580 2.7 0 56 30.	
0	1	193nbTR	AG	1195.	729.	1080.	1009.	580 2.7 0 56 30.	
0	2	193nbTRQ	AG	1121.	910.	1195.	729.	0. 36 3	
120	63			2.0	580	29.1	1669 1 3		
0	1	193nbL	AG	1336.	441.	1246.	585.	213 2.7 0 32 30.	
0	1	193nbL	AG	1246.	585.	1174.	719.	213 2.7 0 32 30.	
0	1	193nbL	AG	1174.	719.	1073.	970.	213 2.7 0 32 30.	
0	2	193nbLQ	AG	1100.	903.	1172.	725.	0. 12 1	
120	64			2.0	213	29.1	1770 1 3		
0	1	193sbD	AG	1024.	971.	1100.	760.	1330 2.7 0 56 30.	

0		193sbD	AG	1100.	760.	1153.	636.	1330	2.7	0	56	30.
1												
0		193sbD	AG	1153.	636.	1241.	492.	1330	2.7	0	56	30.
1												
0		193sbD	AG	1241.	492.	1482.	130.	1330	2.7	0	56	30.
1												
0		193sbD	AG	1482.	130.	1539.	19.	1330	2.7	0	56	30.
1												
0		320ebAP	AG	15.	586.	227.	645.	2005	2.7	0	44	30.
1												
0		320ebAP	AG	227.	645.	656.	793.	2005	2.7	0	44	30.
1												
0		320ebTR	AG	655.	793.	1087.	947.	1760	2.7	0	44	30.
2												
0		320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
120		74		2.0	1760	29.1	1674	1	3			
1												
0		320ebL	AG	644.	808.	1071.	958.	245	2.7	0	32	30.
2												
0		320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
120		102		2.0	245	29.1	1770	1	3			
1												
0		320wbD	AG	1055.	999.	551.	821.	2683	2.7	0	44	30.
1												
0		320wbD	AG	551.	821.	230.	708.	2683	2.7	0	44	30.
1												
0		320wbD	AG	230.	708.	14.	651.	2683	2.7	0	44	30.
1												
0		BRTeb	AG	13.	602.	296.	688.	34	0.3	0	32	30.
1												
0		BRTeb	AG	296.	688.	605.	805.	34	0.3	0	32	30.
1												
0		BRTeb	AG	605.	805.	1069.	971.	34	0.3	0	32	30.
2												
0		BRTebQ	AG	997.	945.	665.	826.	0.	12	1		
120		101		2.0	34	1.5	1611	1	3			
1												
0		BRTsb	AG	1052.	963.	1118.	773.	34	0.3	0	32	30.
1												
0		BRTsb	AG	1118.	773.	1165.	668.	34	0.3	0	32	30.
1												
0		BRTsb	AG	1165.	668.	1229.	551.	34	0.3	0	32	30.
1												
0		BRTsb	AG	1229.	551.	1481.	174.	34	0.3	0	32	30.
1												
0		BRTsb	AG	1481.	174.	1566.	18.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1596.	21.	1521.	164.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1521.	164.	1320.	445.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1320.	445.	1198.	643.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1198.	643.	1141.	753.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1141.	753.	1066.	965.	34	0.3	0	32	30.
2												
0		BRTnbQ	AG	1089.	899.	1140.	755.	0.	12	1		
120		101		2.0	34	1.5	1770	1	3			
1												
0		BRTwb	AG	1045.	981.	354.	733.	34	0.4	0	32	30.
1												
0		BRTwb	AG	354.	733.	176.	675.	34	0.4	0	32	30.
1												
0		BRTwb	AG	176.	675.	13.	628.	34	0.4	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 HighBRT2030AM  
 DATE: 12/19/2007 TIME: 08:36:16.71

RUN: PurpleLine S9 HighBRT2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. 0	193nbD	* 1085.0	969.0	1036.0	1255.0	*	290.	350. AG	625.	2.7	.0	56.0		
2. 0	193nbD	* 1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	625.	2.7	.0	56.0		
3. 0	193nbD	* 1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	625.	2.7	.0	56.0		
4. 0	193sbAP	* 953.0	1972.0	973.0	1408.0	*	564.	178. AG	1525.	2.7	.0	56.0		
5. 0	193sbAP	* 973.0	1408.0	986.0	1249.0	*	160.	175. AG	1525.	2.7	.0	56.0		
6. 0	193sbTR	* 983.0	1246.0	1032.0	974.0	*	276.	170. AG	1495.	2.7	.0	56.0		
7. 0	193sbTRq	* 1023.0	1026.0	989.4	1208.1	*	185.	350. AG	133.	100.0	.0	36.0	.74	9.4
8. 0	193bL	* 1003.0	1238.0	1054.0	980.0	*	263.	169. AG	30.	2.7	.0	56.0		
9. 0	193bLq	* 1044.0	1032.0	1041.8	1043.1	*	11.	349. AG	45.	100.0	.0	12.0	.04	.6
10. 0	320ebD	* 1055.0	945.0	1146.0	959.0	*	92.	81. AG	1865.	2.7	.0	44.0		
11. 0	320ebD	* 1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1865.	2.7	.0	44.0		
12. 0	320ebD	* 2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1865.	2.7	.0	44.0		
13. 0	320wbA	* 2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2180.	2.7	.0	44.0		
14. 0	320wbA	* 2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2180.	2.7	.0	44.0		
15. 0	320wbTR	* 1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1945.	2.7	.0	44.0		
16. 0	230wbTRq	* 1129.0	997.0	5308.0	1162.0	*	4182.	88. AG	95.	100.0	.0	24.0	1.60	212.5
17. 0	320wbL	* 1278.0	988.0	1070.0	982.0	*	208.	268. AG	235.	2.7	.0	32.0		
18. 0	230wbLq	* 1132.0	984.0	1476.4	993.8	*	345.	88. AG	66.	100.0	.0	12.0	1.06	17.5
19. 0	193nbAP	* 1623.0	20.0	1546.0	163.0	*	162.	332. AG	793.	2.7	.0	56.0		
20. 0	193nbAP	* 1546.0	163.0	1360.0	444.0	*	337.	326. AG	793.	2.7	.0	56.0		
21. 0	193nbTR	* 1359.0	444.0	1250.0	622.0	*	209.	329. AG	580.	2.7	.0	56.0		
22. 0	193nbTR	* 1250.0	622.0	1195.0	729.0	*	120.	333. AG	580.	2.7	.0	56.0		
23. 0	193nbTR	* 1195.0	729.0	1080.0	1009.0	*	303.	338. AG	580.	2.7	.0	56.0		
24. 0	193nbTRQ	* 1121.0	910.0	1146.2	848.5	*	66.	158. AG	123.	100.0	.0	36.0	.26	3.4
25. 0	193nbL	* 1336.0	441.0	1246.0	585.0	*	170.	328. AG	213.	2.7	.0	32.0		
26. 0	193nbL	* 1246.0	585.0	1174.0	719.0	*	152.	332. AG	213.	2.7	.0	32.0		
27. 0	193nbL	* 1174.0	719.0	1073.0	970.0	*	271.	338. AG	213.	2.7	.0	32.0		
28. 0	193nbLQ	* 1100.0	903.0	1128.0	833.9	*	75.	158. AG	42.	100.0	.0	12.0	.28	3.8
29. 0	193bD	* 1024.0	971.0	1100.0	760.0	*	224.	160. AG	1330.	2.7	.0	56.0		
30. 0	193bD	* 1100.0	760.0	1153.0	636.0	*	135.	157. AG	1330.	2.7	.0	56.0		
31. 0	193bD	* 1153.0	636.0	1241.0	492.0	*	169.	149. AG	1330.	2.7	.0	56.0		
32. 0	193bD	* 1241.0	492.0	1482.0	130.0	*	435.	146. AG	1330.	2.7	.0	56.0		
33. 0	193bD	* 1482.0	130.0	1539.0	19.0	*	125.	153. AG	1330.	2.7	.0	56.0		
34. 0	320ebAP	* 15.0	586.0	227.0	645.0	*	220.	74. AG	2005.	2.7	.0	44.0		
35. 0	320ebAP	* 227.0	645.0	656.0	793.0	*	454.	71. AG	2005.	2.7	.0	44.0		
36. 0	320ebTR	* 655.0	793.0	1087.0	947.0	*	459.	70. AG	1760.	2.7	.0	44.0		
37. 0	320ebTRQ	* 1008.0	919.0	-2230.8	-229.6	*	3436.	250. AG	96.	100.0	.0	24.0	1.50	174.6
38. 0	320ebL	* 644.0	808.0	1071.0	958.0	*	453.	71. AG	245.	2.7	.0	32.0		
39. 0	320ebLQ	* 1004.0	934.0	434.2	734.6	*	604.	251. AG	66.	100.0	.0	12.0	1.19	30.7
40. 0	320wbD	* 1055.0	999.0	551.0	821.0	*	535.	251. AG	2683.	2.7	.0	44.0		
41. 0	320wbD	* 551.0	821.0	230.0	708.0	*	340.	251. AG	2683.	2.7	.0	44.0		
42. 0	320wbD	* 230.0	708.0	14.0	651.0	*	223.	255. AG	2683.	2.7	.0	44.0		
43. 0	BRTeb	* 13.0	602.0	296.0	688.0	*	296.	73. AG	34.	.3	.0	32.0		
44. 0	BRTeb	* 296.0	688.0	605.0	805.0	*	330.	69. AG	34.	.3	.0	32.0		

JOB: PurpleLine S9 HighBRT2030AM  
 DATE: 12/19/2007 TIME: 08:36:16.71

RUN: PurpleLine S9 HighBRT2030AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
45. 0	BRTeb	* 605.0	805.0	1069.0	971.0	*	493.	70. AG	34.	.3	.0	32.0		
46. 0	BRTebQ	* 997.0	945.0	979.3	938.7	*	19.	250. AG	3.	100.0	.0	12.0	.17	1.0
47. 0	BRTsb	* 1052.0	963.0	1118.0	773.0	*	201.	161. AG	34.	.3	.0	32.0		
48. 0	BRTsb	* 1118.0	773.0	1165.0	668.0	*	115.	156. AG	34.	.3	.0	32.0		
49. 0	BRTsb	* 1165.0	668.0	1229.0	551.0	*	133.	151. AG	34.	.3	.0	32.0		
50. 0	BRTsb	* 1229.0	551.0	1481.0	174.0	*	453.	146. AG	34.	.3	.0	32.0		
51. 0	BRTsb	* 1481.0	174.0	1566.0	18.0	*	178.	151. AG	34.	.3	.0	32.0		
52. 0	BRTnb	* 1596.0	21.0	1521.0	164.0	*	161.	332. AG	34.	.3	.0	32.0		
53. 0	BRTnb	* 1521.0	164.0	1320.0	445.0	*	345.	324. AG	34.	.3	.0	32.0		
54. 0	BRTnb	* 1320.0	445.0	1198.0	643.0	*	233.	328. AG	34.	.3	.0	32.0		
55. 0	BRTnb	* 1198.0	643.0	1141.0	753.0	*	124.	333. AG	34.	.3	.0	32.0		
56. 0	BRTnb	* 1141.0	753.0	1066.0	965.0	*	225.	341. AG	34.	.3	.0	32.0		
57. 0	BRTnbQ	* 1089.0	899.0	1095.3	881.3	*	19.	160. AG	3.	100.0	.0	12.0	.15	1.0
58. 0	BRTwb	* 1045.0	981.0	354.0	733.0	*	734.	250. AG	34.	.4	.0	32.0		
59. 0	BRTwb	* 354.0	733.0	176.0	675.0	*	187.	252. AG	34.	.4	.0	32.0		
60. 0	BRTwb	* 176.0	675.0	13.0	628.0	*	170.	254. AG	34.	.4	.0	32.0		

JOB: PurpleLine S9 HighBRT2030AM  
 DATE: 12/19/2007 TIME: 08:36:16.71

RUN: PurpleLine S9 HighBRT2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH	RED TIME	CLEARANCE LOST TIME	APPROACH VOL	SATURATION FLOW RATE	IDLE EM FAC	SIGNAL TYPE	ARRIVAL RATE
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		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
7. 0	193sbTRq	*	120	68	2.0	1495	1673	29.10	1	3
9. 0	193sbLq	*	120	69	2.0	30	1770	29.10	1	3
16. 0	230wbTRq	*	120	73	2.0	1945	1692	29.10	1	3
18. 0	230wbLq	*	120	101	2.0	235	1770	29.10	1	3
24. 0	193nbTRQ	*	120	63	2.0	580	1669	29.10	1	3
28. 0	193nbLQ	*	120	64	2.0	213	1770	29.10	1	3
37. 0	320ebTRQ	*	120	74	2.0	1760	1674	29.10	1	3
39. 0	320ebLQ	*	120	102	2.0	245	1770	29.10	1	3
46. 0	BRTebQ	*	120	101	2.0	34	1611	1.50	1	3
57. 0	BRTnbQ	*	120	101	2.0	34	1770	1.50	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

1

JOB: PurpleLine S9 HighBRT2030AM

RUN: PurpleLine S9 HighBRT2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
5. *	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.0	.0
10. *	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.0	.0
15. *	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.0	.0
20. *	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.2	.6	.4	.1	.0	.0
25. *	.1	.1	.2	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
30. *	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
35. *	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1
40. *	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1
45. *	.1	.1	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.2
50. *	.1	.1	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.3	.2	.2
55. *	.1	.1	.3	.7	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.3	.2	.2
60. *	.1	.1	.3	.6	.6	.6	.5	.1	.1	.0	.0	.0	.0	.0	.1	.2	.5	.3	.2	.3
65. *	.1	.1	.3	.6	.6	.6	.5	.2	.2	.0	.0	.0	.0	.0	.1	.2	.5	.3	.3	.3
70. *	.1	.1	.3	.6	.7	.7	.6	.2	.2	.2	.0	.0	.0	.0	.1	.3	.5	.3	.4	.4
75. *	.1	.1	.2	.6	.7	.6	.6	.4	.4	.4	.1	.0	.0	.0	.1	.3	.5	.3	.4	.4
80. *	.1	.1	.1	.6	.7	.5	.5	.5	.5	.5	.1	.0	.0	.0	.1	.4	.5	.5	.4	.4
85. *	.0	.1	.1	.4	.5	.5	.5	.7	.7	.7	.3	.1	.0	.0	.1	.4	.6	.8	.5	.5
90. *	.0	.0	.1	.3	.4	.4	.4	.8	.8	.9	.4	.1	.1	.0	.1	.5	.6	.8	.5	.8
95. *	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	.4	.1	.1	.1	.2	.5	.6	.8	.6	.7
100. *	.0	.0	.0	.0	.2	.2	.2	.9	1.0	1.0	.6	.1	.1	.1	.2	.5	.7	.7	.5	.6
105. *	.0	.0	.0	.0	.1	.1	.1	.9	1.0	.9	.6	.2	.1	.1	.2	.6	.7	.6	.6	.6
110. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.2	.1	.1	.2	.6	.7	.5	.6	.6
115. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.2	.1	.1	.2	.6	.7	.3	.6	.6
120. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.1	.1	.1	.2	.6	.7	.3	.6	.6
125. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.1	.1	.1	.2	.6	.7	.3	.6	.6
130. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.8	.7	.4	.5	.5
135. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.7	.6	.4	.5	.5
140. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.7	.6	.4	.5	.5
145. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.0	.3	.7	.6	.4	.5	.5
150. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.4	.1	.1	.0	.4	.7	.6	.4	.5	.5



155.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.4	.1	.0	.0	.4	.7	.6	.4	.5	.5
160.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.3	.0	.0	.0	.4	.6	.5	.5	.5	.6
165.	*	.0	.0	.0	.0	.0	.0	.7	.7	.7	.3	.0	.0	.0	.4	.5	.4	.4	.5	.5
170.	*	.0	.1	.0	.0	.0	.0	.7	.7	.7	.3	.1	.1	.0	.3	.3	.3	.5	.5	.5
175.	*	.0	.1	.0	.1	.0	.0	.7	.7	.7	.4	.1	.1	.1	.3	.4	.3	.5	.5	.5
180.	*	.0	.1	.0	.1	.0	.0	.7	.7	.7	.3	.1	.2	.1	.2	.3	.4	.5	.5	.5
185.	*	.0	.1	.1	.1	.0	.0	.7	.7	.7	.3	.1	.2	.1	.1	.3	.2	.5	.5	.5
190.	*	.0	.1	.1	.2	.0	.0	.7	.7	.7	.2	.2	.3	.2	.0	.2	.2	.5	.5	.5
195.	*	.0	.0	.1	.2	.0	.0	.7	.7	.7	.2	.4	.4	.2	.0	.2	.2	.5	.5	.6
200.	*	.0	.0	.1	.2	.0	.0	.7	.7	.7	.2	.4	.5	.3	.0	.2	.2	.5	.6	.6
205.	*	.0	.0	.1	.3	.0	.0	.7	.7	.7	.2	.5	.6	.3	.1	.2	.2	.5	.6	.6

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JOB: PurpleLine S9 HighBRT2030AM

RUN: PurpleLine S9 HighBRT2030AM

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WIND	*	CONCENTRATION																			
ANGLE	*	(PPM)																			
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.0	.1	.3	.0	.0	.0	.7	.7	.8	.2	.6	.6	.3	.1	.2	.2	.5	.6	.6
215.	*	.1	.0	.0	.3	.0	.0	.0	.7	.7	.8	.4	.6	.6	.3	.1	.2	.2	.5	.6	.6
220.	*	.1	.0	.0	.3	.0	.0	.0	.7	.8	.8	.4	.6	.6	.2	.1	.2	.2	.5	.7	.7
225.	*	.0	.0	.0	.3	.0	.0	.0	.7	.8	.8	.4	.6	.5	.3	.1	.1	.2	.6	.7	.7
230.	*	.0	.0	.0	.3	.1	.0	.0	.8	.9	.7	.4	.6	.4	.3	.1	.1	.2	.7	.7	.7
235.	*	.1	.0	.0	.2	.1	.0	.0	.9	.9	.8	.5	.6	.3	.3	.1	.1	.2	.6	.7	.8
240.	*	.1	.1	.0	.3	.2	.0	.0	1.0	.9	.9	.6	.5	.3	.3	.1	.1	.1	.5	.6	.7
245.	*	.1	.1	.1	.3	.2	.1	.1	1.0	.9	.9	.5	.5	.3	.1	.0	.1	.1	.4	.6	.7
250.	*	.1	.1	.2	.5	.2	.1	.2	1.1	1.1	1.1	.5	.5	.1	.1	.0	.0	.1	.3	.4	.5
255.	*	.0	.1	.1	.6	.4	.2	.2	1.0	1.0	.9	.4	.4	.0	.2	.0	.0	.0	.2	.3	.3
260.	*	.1	.1	.1	.6	.5	.2	.2	1.0	.9	.6	.4	.4	.0	.2	.0	.0	.0	.1	.3	.3
265.	*	.1	.1	.2	.6	.4	.3	.2	.8	.7	.6	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
270.	*	.1	.1	.2	.6	.4	.4	.5	.6	.4	.4	.2	.4	.0	.2	.0	.0	.0	.0	.1	.1
275.	*	.1	.1	.3	.5	.4	.5	.4	.4	.4	.3	.3	.4	.1	.2	.0	.0	.0	.0	.1	.1
280.	*	.2	.1	.5	.4	.3	.5	.5	.2	.4	.3	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0
285.	*	.2	.2	.6	.3	.5	.5	.6	.2	.2	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0
290.	*	.2	.2	.6	.3	.5	.5	.7	.1	.1	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0
295.	*	.2	.2	.6	.2	.6	.6	.6	.0	.1	.1	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
300.	*	.1	.2	.3	.3	.6	.7	.6	.0	.0	.1	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.4	.3	.6	.6	.6	.0	.0	.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
310.	*	.0	.1	.3	.3	.6	.6	.6	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
315.	*	.0	.2	.3	.4	.6	.7	.6	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
320.	*	.0	.2	.4	.3	.5	.6	.6	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
325.	*	.0	.2	.4	.3	.5	.6	.6	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
330.	*	.0	.2	.3	.3	.5	.5	.6	.0	.0	.0	.1	.1	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.0	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
340.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.2	.0	.0	.0
345.	*	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.0	.0	.0
350.	*	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.0	.0	.0
355.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.2	.0	.0
360.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
MAX	*	.2	.2	.6	.7	.7	.7	.7	1.1	1.1	1.1	.6	.6	.6	.3	.4	.8	.7	.8	.7	.8
DEGR.	*	280	285	285	55	70	70	290	250	250	250	100	210	205	200	150	130	100	90	220	90

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JOB: PurpleLine S9 HighBRT2030AM

RUN: PurpleLine S9 HighBRT2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.7	.7	.7	.5	.2	.1	.1
5.	*	.0	.7	.7	.8	.6	.2	.1	.1
10.	*	.0	.7	.7	.8	.6	.1	.3	.1
15.	*	.0	.7	.7	.8	.6	.1	.3	.1
20.	*	.0	.7	.8	.8	.4	.1	.3	.1
25.	*	.0	.7	.8	.8	.2	.1	.4	.1
30.	*	.0	.7	.8	.8	.2	.3	.4	.1
35.	*	.0	.8	.8	.8	.2	.3	.3	.2
40.	*	.0	.8	.8	.7	.4	.3	.2	.2
45.	*	.1	.7	.7	.7	.5	.3	.2	.2
50.	*	.2	.7	.7	.7	.5	.4	.2	.2
55.	*	.2	.7	.7	.6	.5	.4	.2	.2
60.	*	.3	.7	.7	.5	.6	.4	.2	.2
65.	*	.2	.7	.6	.5	.4	.5	.2	.2
70.	*	.4	.6	.5	.5	.6	.5	.2	.2
75.	*	.4	.5	.3	.4	.5	.3	.2	.2
80.	*	.6	.3	.3	.3	.5	.2	.2	.2
85.	*	.8	.3	.3	.3	.4	.2	.2	.1
90.	*	.8	.2	.2	.1	.3	.2	.1	.1
95.	*	.7	.0	.0	.0	.3	.1	.1	.1
100.	*	.6	.0	.0	.0	.2	.1	.1	.1
105.	*	.6	.0	.0	.0	.2	.1	.1	.1
110.	*	.6	.0	.0	.0	.1	.1	.1	.2

115.	*	.6	.0	.0	.0	.1	.1	.1	.2
120.	*	.6	.0	.0	.0	.1	.1	.1	.2
125.	*	.6	.0	.0	.0	.1	.1	.1	.2
130.	*	.5	.0	.0	.0	.1	.1	.1	.2
135.	*	.5	.0	.0	.0	.1	.2	.1	.2
140.	*	.5	.0	.0	.0	.1	.2	.1	.2
145.	*	.5	.0	.0	.0	.1	.2	.1	.2
150.	*	.5	.0	.0	.0	.0	.2	.1	.2
155.	*	.5	.0	.0	.0	.0	.2	.1	.2
160.	*	.6	.0	.0	.0	.0	.1	.1	.1
165.	*	.5	.0	.0	.0	.0	.0	.1	.0
170.	*	.5	.0	.0	.0	.0	.0	.0	.0
175.	*	.5	.0	.0	.0	.0	.0	.0	.0
180.	*	.5	.0	.0	.0	.0	.0	.0	.0
185.	*	.5	.0	.0	.0	.0	.0	.0	.0
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.6	.0	.0	.0	.0	.0	.0	.0
200.	*	.6	.0	.0	.0	.0	.0	.0	.0
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 HighBRT2030AM

RUN: PurpleLine S9 HighBRT2030AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.7	.0	.0	.0	.0	.0	.0	.0
225.	*	.7	.0	.0	.0	.0	.0	.0	.0
230.	*	.7	.1	.1	.1	.0	.0	.0	.0
235.	*	.8	.1	.2	.2	.1	.0	.0	.0
240.	*	.8	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.5	.5	.3	.1	.0	.0
250.	*	.4	.6	.7	.6	.4	.1	.1	.0
255.	*	.4	.8	.8	.7	.5	.1	.1	.1
260.	*	.2	.9	.9	.8	.6	.1	.1	.1
265.	*	.1	.9	.8	.8	.6	.1	.1	.1
270.	*	.1	1.0	.8	.8	.7	.1	.1	.1
275.	*	.0	.9	.8	.8	.7	.4	.1	.1
280.	*	.0	.8	.8	.8	.7	.4	.1	.1
285.	*	.0	.7	.7	.7	.5	.4	.1	.1
290.	*	.0	.7	.7	.7	.5	.4	.1	.1
295.	*	.0	.7	.7	.7	.5	.4	.2	.1
300.	*	.0	.7	.7	.7	.5	.4	.2	.1
305.	*	.0	.7	.7	.7	.5	.4	.2	.1
310.	*	.0	.7	.7	.7	.5	.3	.2	.1
315.	*	.0	.7	.7	.7	.5	.3	.2	.1
320.	*	.0	.6	.6	.6	.5	.3	.2	.1
325.	*	.0	.6	.7	.7	.5	.3	.2	.1
330.	*	.0	.7	.7	.7	.5	.4	.2	.1
335.	*	.0	.7	.7	.7	.5	.4	.1	.1
340.	*	.0	.7	.7	.7	.5	.4	.1	.2
345.	*	.0	.7	.7	.7	.6	.4	.2	.2
350.	*	.0	.7	.7	.7	.7	.4	.2	.2
355.	*	.0	.7	.7	.7	.5	.3	.2	.1
360.	*	.0	.7	.7	.7	.5	.2	.1	.1
MAX	*	.8	1.0	.9	.8	.7	.5	.4	.2
DEGR.	*	235	270	260	5	270	65	25	35

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC8 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .

PurpleLine	S9	HighBRT2030PM				60.0321.0.0000.000280.30480000			1		1	
SE MID S		1256.		672.		5.0						
SE 164 S		1220.		746.		5.0						
SE 82 S		1189.		822.		5.0						
SE CNR		1162.		921.		5.0						
SE 82 E		1254.		939.		5.0						
SE 164 E		1335.		942.		5.0						
SE MID E		1417.		946.		5.0						
NE MID E		1398.		1028.		5.0						
NE 164 E		1316.		1025.		5.0						
NE 82 E		1235.		1022.		5.0						
NE CNR		1120.		1053.		5.0						
NE 82 N		1079.		1172.		5.0						
NE 164 N		1064.		1255.		5.0						
NE MID N		1060.		1337.		5.0						
NW MID N		953.		1280.		5.0						
NW 164 N		963.		1200.		5.0						
NW 82 N		977.		1118.		5.0						
NW CNR		974.		1010.		5.0						
NW 82 W		877.		962.		5.0						
NW 164 W		801.		934.		5.0						
NW MID W		723.		907.		5.0						
SW MID W		768.		808.		5.0						
SW 164 W		845.		836.		5.0						
SW 82 W		922.		863.		5.0						
SW CNR		1005.		876.		5.0						
SW 82 S		1051.		806.		5.0						
SW 164 S		1082.		729.		5.0						
SW MID S		1116.		655.		5.0						
PurpleLine	S9	HighBRT2030PM		60	1	0						
0	1	193nbD	AG	1085.	969.	1036.	1255.	1310	2.7	0	56	30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	1310	2.7	0	56	30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	1310	2.7	0	56	30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	870	2.7	0	56	30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	870	2.7	0	56	30.
0	2	193sbTR	AG	983.	1246.	1032.	974.	795	2.7	0	56	30.
0	1	193sbTRq	AG	1023.	1026.	983.	1243.	0.	36	3		
0	2	120	88	2.0	795	29.1	1701	1	3			
0	1	193sbL	AG	1003.	1238.	1054.	980.	75	2.7	0	56	30.
0	1	193sbLq	AG	1044.	1032.	1005.	1229.	0.	12	1		
0	2	120	85	2.0	75	29.1	1770	1	3			
0	1	320ebD	AG	1055.	945.	1146.	959.	2455	2.7	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	2455	2.7	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	2455	2.7	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	2510	2.7	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	2510	2.7	0	44	30.
0	2	320wbTR	AG	1283.	1003.	1068.	995.	2205	2.7	0	44	30.
0	1	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
0	2	120	65	2.0	2205	29.1	1688	1	3			
0	1	320wbL	AG	1278.	988.							

0		193sbD	AG	1100.	760.	1153.	636.	1140	2.7	0	56	30.
1												
0		193sbD	AG	1153.	636.	1241.	492.	1140	2.7	0	56	30.
1												
0		193sbD	AG	1241.	492.	1482.	130.	1140	2.7	0	56	30.
1												
0		193sbD	AG	1482.	130.	1539.	19.	1140	2.7	0	56	30.
1												
0		320ebAP	AG	15.	586.	227.	645.	2640	2.7	0	44	30.
1												
0		320ebAP	AG	227.	645.	656.	793.	2640	2.7	0	44	30.
1												
0		320ebTR	AG	655.	793.	1087.	947.	2360	2.7	0	44	30.
2												
0		320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
1												
0	120		65	2.0	2360	29.1	1668	1	3			
1												
0		320ebL	AG	644.	808.	1071.	958.	280	2.7	0	32	30.
2												
0		320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
1												
0	120		97	2.0	280	29.1	1770	1	3			
1												
0		320wbD	AG	1055.	999.	551.	821.	2700	2.7	0	44	30.
1												
0		320wbD	AG	551.	821.	230.	708.	2700	2.7	0	44	30.
1												
0		320wbD	AG	230.	708.	14.	651.	2700	2.7	0	44	30.
1												
0		BRTeb	AG	13.	602.	296.	688.	34	0.3	0	32	30.
1												
0		BRTeb	AG	296.	688.	605.	805.	34	0.3	0	32	30.
1												
0		BRTeb	AG	605.	805.	1069.	971.	34	0.3	0	32	30.
2												
0		BRTebQ	AG	997.	945.	665.	826.	0.	12	1		
1												
0	120		61	2.0	34	1.5	1611	1	3			
1												
0		BRTsb	AG	1052.	963.	1118.	773.	34	0.3	0	32	30.
1												
0		BRTsb	AG	1118.	773.	1165.	668.	34	0.3	0	32	30.
1												
0		BRTsb	AG	1165.	668.	1229.	551.	34	0.3	0	32	30.
1												
0		BRTsb	AG	1229.	551.	1481.	174.	34	0.3	0	32	30.
1												
0		BRTsb	AG	1481.	174.	1566.	18.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1596.	21.	1521.	164.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1521.	164.	1320.	445.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1320.	445.	1198.	643.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1198.	643.	1141.	753.	34	0.3	0	32	30.
1												
0		BRTnb	AG	1141.	753.	1066.	965.	34	0.3	0	32	30.
2												
0		BRTnbQ	AG	1089.	899.	1140.	755.	0.	12	1		
1												
0	120		101	2.0	34	1.5	1770	1	3			
1												
0		BRTwb	AG	1045.	981.	354.	733.	34	0.3	0	32	30.
1												
0		BRTwb	AG	354.	733.	176.	675.	34	0.3	0	32	30.
1												
0		BRTwb	AG	176.	675.	13.	628.	34	0.3	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 HighBRT2030PM  
DATE: 12/19/2007 TIME: 08:56:47.21

RUN: PurpleLine S9 HighBRT2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	* 1085.0	969.0	1036.0	1255.0	*	290.	350. AG	1310.	2.7	.0	56.0	
2. 0	193nbD	* 1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	1310.	2.7	.0	56.0	
3. 0	193nbD	* 1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	1310.	2.7	.0	56.0	
4. 0	193sbAP	* 953.0	1972.0	973.0	1408.0	*	564.	178. AG	870.	2.7	.0	56.0	
5. 0	193sbAP	* 973.0	1408.0	986.0	1249.0	*	160.	175. AG	870.	2.7	.0	56.0	
6. 0	193sbTR	* 983.0	1246.0	1032.0	974.0	*	276.	170. AG	795.	2.7	.0	56.0	
7. 0	193sbTRq	* 1023.0	1026.0	999.9	1151.4	*	128.	350. AG	172.	100.0	.0	36.0	.67 6.5
8. 0	193sbL	* 1003.0	1238.0	1054.0	980.0	*	263.	169. AG	75.	2.7	.0	56.0	
9. 0	193sbLq	* 1044.0	1032.0	1037.2	1066.2	*	35.	349. AG	55.	100.0	.0	12.0	.16 1.8
10. 0	320ebD	* 1055.0	945.0	1146.0	959.0	*	92.	81. AG	2455.	2.7	.0	44.0	
11. 0	320ebD	* 1146.0	959.0	2056.0	1001.0	*	911.	87. AG	2455.	2.7	.0	44.0	
12. 0	320ebD	* 2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	2455.	2.7	.0	44.0	
13. 0	320wbA	* 2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2510.	2.7	.0	44.0	
14. 0	320wbA	* 2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2510.	2.7	.0	44.0	
15. 0	320wbTR	* 1283.0	1003.0	1068.0	995.0	*	215.	268. AG	2205.	2.7	.0	44.0	
16. 0	230wbTRq	* 1129.0	997.0	5506.7	1169.8	*	4381.	88. AG	85.	100.0	.0	24.0	1.54 222.6
17. 0	320wbL	* 1278.0	988.0	1070.0	982.0	*	208.	268. AG	305.	2.7	.0	32.0	
18. 0	230wbLq	* 1132.0	984.0	1628.3	998.2	*	497.	88. AG	63.	100.0	.0	12.0	1.09 25.2
19. 0	193nbAP	* 1623.0	20.0	1546.0	163.0	*	162.	332. AG	1585.	2.7	.0	56.0	
20. 0	193nbAP	* 1546.0	163.0	1360.0	444.0	*	337.	326. AG	1585.	2.7	.0	56.0	
21. 0	193nbTR	* 1359.0	444.0	1250.0	622.0	*	209.	329. AG	1235.	2.7	.0	56.0	
22. 0	193nbTR	* 1250.0	622.0	1195.0	729.0	*	120.	333. AG	1235.	2.7	.0	56.0	
23. 0	193nbTR	* 1195.0	729.0	1080.0	1009.0	*	303.	338. AG	1235.	2.7	.0	56.0	
24. 0	193nbTRQ	* 1121.0	910.0	1186.5	749.8	*	173.	158. AG	150.	100.0	.0	36.0	.74 8.8
25. 0	193nbL	* 1336.0	441.0	1246.0	585.0	*	170.	328. AG	350.	2.7	.0	32.0	
26. 0	193nbL	* 1246.0	585.0	1174.0	719.0	*	152.	332. AG	350.	2.7	.0	32.0	
27. 0	193nbL	* 1174.0	719.0	1073.0	970.0	*	271.	338. AG	350.	2.7	.0	32.0	
28. 0	193nbLQ	* 1100.0	903.0	1151.0	777.0	*	136.	158. AG	46.	100.0	.0	12.0	.53 6.9
29. 0	193sbD	* 1024.0	971.0	1100.0	760.0	*	224.	160. AG	1140.	2.7	.0	56.0	
30. 0	193sbD	* 1100.0	760.0	1153.0	636.0	*	135.	157. AG	1140.	2.7	.0	56.0	
31. 0	193sbD	* 1153.0	636.0	1241.0	492.0	*	169.	149. AG	1140.	2.7	.0	56.0	
32. 0	193sbD	* 1241.0	492.0	1482.0	130.0	*	435.	146. AG	1140.	2.7	.0	56.0	
33. 0	193sbD	* 1482.0	130.0	1539.0	19.0	*	125.	153. AG	1140.	2.7	.0	56.0	
34. 0	320ebAP	* 15.0	586.0	227.0	645.0	*	220.	74. AG	2640.	2.7	.0	44.0	
35. 0	320ebAP	* 227.0	645.0	656.0	793.0	*	454.	71. AG	2640.	2.7	.0	44.0	
36. 0	320ebTR	* 655.0	793.0	1087.0	947.0	*	459.	70. AG	2360.	2.7	.0	44.0	
37. 0	320ebTRQ	* 1008.0	919.0	-3969.0	-846.1	*	5281.	250. AG	85.	100.0	.0	24.0	1.67 268.3
38. 0	320ebL	* 644.0	808.0	1071.0	958.0	*	453.	71. AG	280.	2.7	.0	32.0	
39. 0	320ebLQ	* 1004.0	934.0	787.0	858.0	*	230.	251. AG	63.	100.0	.0	12.0	1.00 11.7
40. 0	320wbD	* 1055.0	999.0	551.0	821.0	*	535.	251. AG	2700.	2.7	.0	44.0	
41. 0	320wbD	* 551.0	821.0	230.0	708.0	*	340.	251. AG	2700.	2.7	.0	44.0	
42. 0	320wbD	* 230.0	708.0	14.0	651.0	*	223.	255. AG	2700.	2.7	.0	44.0	
43. 0	BRTeb	* 13.0	602.0	296.0	688.0	*	296.	73. AG	34.	.3	.0	32.0	
44. 0	BRTeb	* 296.0	688.0	605.0	805.0	*	330.	69. AG	34.	.3	.0	32.0	

JOB: PurpleLine S9 HighBRT2030PM  
DATE: 12/19/2007 TIME: 08:56:47.21

RUN: PurpleLine S9 HighBRT2030PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTeb	* 605.0	805.0	1069.0	971.0	*	493.	70. AG	34.	.3	.0	32.0	
46. 0	BRTebQ	* 997.0	945.0	986.3	941.2	*	11.	250. AG	2.	100.0	.0	12.0	.05 .6
47. 0	BRTsb	* 1052.0	963.0	1118.0	773.0	*	201.	161. AG	34.	.3	.0	32.0	
48. 0	BRTsb	* 1118.0	773.0	1165.0	668.0	*	115.	156. AG	34.	.3	.0	32.0	
49. 0	BRTsb	* 1165.0	668.0	1229.0	551.0	*	133.	151. AG	34.	.3	.0	32.0	
50. 0	BRTsb	* 1229.0	551.0	1481.0	174.0	*	453.	146. AG	34.	.3	.0	32.0	
51. 0	BRTsb	* 1481.0	174.0	1566.0	18.0	*	178.	151. AG	34.	.3	.0	32.0	
52. 0	BRTnb	* 1596.0	21.0	1521.0	164.0	*	161.	332. AG	34.	.3	.0	32.0	
53. 0	BRTnb	* 1521.0	164.0	1320.0	445.0	*	345.	324. AG	34.	.3	.0	32.0	
54. 0	BRTnb	* 1320.0	445.0	1198.0	643.0	*	233.	328. AG	34.	.3	.0	32.0	
55. 0	BRTnb	* 1198.0	643.0	1141.0	753.0	*	124.	333. AG	34.	.3	.0	32.0	
56. 0	BRTnb	* 1141.0	753.0	1066.0	965.0	*	225.	341. AG	34.	.3	.0	32.0	
57. 0	BRTnbQ	* 1089.0	899.0	1095.3	881.3	*	19.	160. AG	3.	100.0	.0	12.0	.15 1.0
58. 0	BRTwb	* 1045.0	981.0	354.0	733.0	*	734.	250. AG	34.	.3	.0	32.0	
59. 0	BRTwb	* 354.0	733.0	176.0	675.0	*	187.	252. AG	34.	.3	.0	32.0	
60. 0	BRTwb	* 176.0	675.0	13.0	628.0	*	170.	254. AG	34.	.3	.0	32.0	

JOB: PurpleLine S9 HighBRT2030PM  
DATE: 12/19/2007 TIME: 08:56:47.21

RUN: PurpleLine S9 HighBRT2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH	RED TIME	CLEARANCE LOST TIME	APPROACH VOL	SATURATION FLOW RATE	IDLE EM FAC	SIGNAL TYPE	ARRIVAL RATE
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		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
7. 0	193sbTRq	*	120	88	2.0	795	1701	29.10	1	3
9. 0	193sbLq	*	120	85	2.0	75	1770	29.10	1	3
16. 0	230wbTRq	*	120	65	2.0	2205	1688	29.10	1	3
18. 0	230wbLq	*	120	97	2.0	305	1770	29.10	1	3
24. 0	193nbTRQ	*	120	77	2.0	1235	1707	29.10	1	3
28. 0	193nbLQ	*	120	71	2.0	350	1770	29.10	1	3
37. 0	320ebTRQ	*	120	65	2.0	2360	1668	29.10	1	3
39. 0	320ebLQ	*	120	97	2.0	280	1770	29.10	1	3
46. 0	BRTebQ	*	120	61	2.0	34	1611	1.50	1	3
57. 0	BRTnbQ	*	120	101	2.0	34	1770	1.50	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*
13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 HighBRT2030PM

RUN: PurpleLine S9 HighBRT2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.0	.2	.1	.0	.0
5. *	.0	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0
10. *	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.3	.0	.0
15. *	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.4	.0	.0
20. *	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.0	.0
25. *	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.1	.0
30. *	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.6	.1	.0
35. *	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.6	.1	.0
40. *	.0	.3	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.5	.5	.1	.1
45. *	.0	.3	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.1	.2
50. *	.1	.3	.3	.5	.7	.8	.8	.0	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
55. *	.1	.3	.3	.6	.7	.8	.8	.0	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
60. *	.1	.3	.3	.6	.8	.8	.8	.1	.1	.0	.0	.0	.0	.0	.2	.1	.7	.5	.2	.3
65. *	.1	.2	.3	.6	.8	.8	.8	.1	.1	.0	.0	.0	.0	.0	.2	.1	.7	.4	.3	.3
70. *	.1	.1	.3	.6	.8	.8	.8	.2	.2	.3	.0	.0	.0	.0	.2	.2	.7	.4	.4	.5
75. *	.1	.1	.3	.6	.9	.8	.7	.3	.3	.3	.0	.0	.0	.0	.2	.2	.7	.5	.4	.4
80. *	.0	.1	.2	.6	.7	.7	.7	.4	.5	.6	.1	.0	.0	.0	.2	.2	.7	.7	.5	.5
85. *	.0	.0	.1	.5	.7	.7	.6	.7	.8	.8	.2	.0	.0	.0	.2	.2	.8	.9	.5	.7
90. *	.0	.0	.0	.3	.5	.4	.4	1.0	1.0	.9	.4	.1	.0	.0	.2	.3	.8	.8	.6	.8
95. *	.0	.0	.0	.2	.4	.3	.3	1.0	1.0	.9	.5	.1	.1	.0	.2	.3	.9	.7	.6	.7
100. *	.0	.0	.0	.1	.1	.1	.1	1.1	1.1	1.1	.6	.2	.1	.1	.2	.3	1.0	.6	.7	.7
105. *	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	1.1	.6	.3	.1	.1	.2	.3	1.0	.6	.6	.7
110. *	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	1.1	.6	.3	.1	.1	.2	.4	.9	.6	.7	.7
115. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.6	.3	.2	.1	.2	.4	1.0	.5	.7	.6
120. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.3	.1	.1	.2	.5	1.0	.6	.7	.6
125. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.2	.1	.0	.3	.4	1.0	.6	.7	.6
130. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.8	.5	.2	.1	.0	.2	.4	.9	.6	.5	.5
135. *	.0	.0	.0	.0	.0	.0	.0	.8	.8	.7	.5	.2	.1	.0	.1	.4	.8	.5	.5	.5
140. *	.0	.0	.0	.0	.0	.0	.0	.8	.8	.7	.4	.2	.1	.0	.2	.4	.7	.5	.5	.5
145. *	.1	.0	.0	.0	.0	.0	.0	.7	.7	.7	.4	.2	.0	.0	.3	.5	.7	.5	.5	.5
150. *	.1	.1	.0	.1	.0	.0	.0	.7	.7	.7	.4	.2	.0	.0	.3	.5	.7	.5	.5	.5

155.	*	.2	.1	.2	.1	.0	.0	.0	.7	.7	.7	.5	.1	.1	.0	.3	.5	.7	.4	.5	.5
160.	*	.2	.1	.2	.1	.0	.0	.0	.7	.7	.7	.5	.3	.1	.0	.2	.4	.6	.5	.5	.6
165.	*	.2	.1	.3	.3	.0	.0	.0	.7	.7	.7	.4	.2	.1	.0	.2	.4	.5	.4	.5	.6
170.	*	.2	.1	.3	.3	.0	.0	.0	.7	.7	.7	.5	.2	.2	.1	.2	.3	.5	.4	.5	.5
175.	*	.2	.1	.4	.4	.0	.0	.0	.7	.7	.7	.5	.2	.2	.3	.1	.4	.3	.5	.5	.5
180.	*	.2	.1	.4	.4	.0	.0	.0	.7	.7	.7	.4	.1	.3	.3	.1	.2	.3	.5	.5	.5
185.	*	.2	.1	.5	.5	.0	.0	.0	.7	.7	.8	.4	.2	.3	.3	.1	.2	.3	.5	.5	.4
190.	*	.1	.1	.5	.5	.0	.0	.0	.7	.7	.8	.4	.3	.3	.3	.0	.1	.3	.5	.5	.4
195.	*	.1	.1	.5	.5	.1	.0	.0	.7	.7	.8	.4	.4	.4	.3	.0	.1	.3	.5	.6	.5
200.	*	.1	.1	.5	.6	.1	.0	.0	.7	.7	.8	.5	.5	.5	.2	.0	.2	.3	.5	.6	.5
205.	*	.1	.1	.5	.6	.1	.0	.0	.7	.8	.8	.5	.5	.4	.2	.0	.2	.3	.5	.6	.5

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JOB: PurpleLine S9 HighBRT2030PM

RUN: PurpleLine S9 HighBRT2030PM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
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210. * .1 .1 .5 .6 .1 .0 .0 .7 .8 .8 .5 .6 .4 .1 .0 .2 .3 .5 .6 .5
215. * .1 .1 .5 .6 .1 .1 .0 .7 .8 .8 .4 .6 .4 .1 .0 .2 .3 .5 .6 .5
220. * .1 .1 .5 .5 .2 .1 .0 .9 .9 .8 .5 .5 .4 .1 .1 .2 .2 .5 .5 .5
225. * .1 .1 .5 .5 .2 .1 .0 .9 .9 .8 .5 .5 .3 .2 .1 .1 .2 .6 .5 .6
230. * .1 .1 .5 .4 .1 .1 .0 1.0 .9 .9 .5 .5 .2 .2 .1 .1 .2 .5 .5 .6
235. * .1 .2 .5 .4 .1 .1 .1 1.0 .9 1.1 .5 .5 .2 .2 .1 .1 .2 .5 .8 .7
240. * .1 .1 .6 .5 .2 .1 .1 1.0 1.0 1.1 .5 .4 .2 .2 .1 .1 .1 .4 .7 .6
245. * .1 .1 .6 .5 .2 .2 .2 .9 1.1 1.2 .6 .4 .2 .1 .0 .1 .1 .3 .5 .6
250. * .1 .1 .7 .5 .3 .3 .3 1.1 1.1 1.1 .5 .4 .1 .1 .0 .1 .1 .3 .4 .6
255. * .1 .3 .7 .7 .4 .3 .3 1.0 1.1 .9 .4 .2 .1 .1 .0 .0 .2 .3 .3
260. * .2 .3 .7 .6 .5 .4 .3 1.1 .9 .8 .3 .2 .1 .1 .0 .0 .1 .3 .3
265. * .2 .3 .7 .6 .5 .5 .3 .8 .8 .6 .4 .2 .2 .1 .0 .0 .0 .1 .1
270. * .2 .4 .8 .6 .6 .5 .4 .6 .4 .5 .3 .1 .2 .1 .0 .0 .0 .1 .1
275. * .2 .4 .9 .6 .5 .4 .6 .4 .4 .4 .3 .1 .1 .1 .0 .0 .0 .1 .1
280. * .2 .4 .9 .4 .5 .6 .6 .2 .4 .3 .3 .1 .1 .1 .0 .0 .0 .0 .0
285. * .2 .5 1.0 .4 .4 .6 .7 .2 .2 .2 .3 .1 .1 .1 .0 .0 .0 .0 .0
290. * .2 .5 1.0 .4 .6 .7 .7 .1 .1 .2 .3 .1 .1 .1 .0 .0 .0 .0 .0
295. * .1 .7 .9 .5 .7 .7 .6 .1 .0 .2 .3 .1 .1 .1 .0 .0 .0 .0 .0
300. * .2 .6 .9 .5 .7 .6 .6 .0 .0 .1 .3 .1 .1 .1 .0 .0 .0 .0 .0
305. * .2 .5 .9 .6 .7 .6 .6 .0 .0 .0 .3 .1 .1 .1 .0 .0 .0 .0 .0
310. * .2 .6 .7 .5 .6 .7 .6 .0 .0 .0 .2 .1 .1 .1 .0 .0 .0 .0 .0
315. * .4 .6 .6 .5 .5 .6 .5 .0 .0 .0 .2 .1 .1 .1 .0 .0 .0 .0 .0
320. * .4 .7 .6 .5 .5 .6 .5 .0 .0 .0 .2 .1 .1 .1 .0 .0 .0 .0 .0
325. * .4 .5 .5 .6 .5 .5 .5 .0 .0 .0 .1 .1 .1 .1 .0 .0 .0 .0 .0
330. * .4 .5 .5 .5 .5 .5 .5 .0 .0 .0 .1 .2 .1 .1 .0 .0 .0 .0 .0
335. * .4 .4 .4 .6 .5 .5 .5 .0 .0 .0 .1 .2 .2 .2 .0 .0 .0 .0 .0
340. * .2 .3 .2 .5 .5 .5 .5 .0 .0 .0 .1 .2 .2 .2 .0 .0 .0 .0 .0
345. * .1 .3 .3 .5 .5 .5 .5 .0 .0 .0 .0 .2 .2 .2 .0 .0 .0 .0 .0
350. * .1 .2 .3 .4 .5 .5 .5 .0 .0 .0 .0 .2 .2 .2 .1 .0 .0 .1 .0 .0
355. * .0 .0 .3 .4 .5 .5 .5 .0 .0 .0 .0 .2 .1 .1 .1 .0 .1 .1 .0 .0
360. * .0 .0 .3 .5 .5 .5 .5 .0 .0 .0 .0 .1 .1 .1 .1 .0 .2 .1 .0 .0
-----
MAX * .4 .7 1.0 .7 .9 .8 .8 1.1 1.1 1.2 .6 .6 .5 .3 .3 .5 1.0 .9 .8
DEGR. * 315 295 285 255 75 50 50 100 250 245 100 210 200 175 125 120 100 85 235 90

```

1

JOB: PurpleLine S9 HighBRT2030PM

RUN: PurpleLine S9 HighBRT2030PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

```

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28
-----
0. * .0 .5 .6 .6 .5 .3 .2 .2
5. * .0 .5 .6 .7 .5 .3 .2 .2
10. * .0 .5 .6 .7 .6 .1 .2 .4
15. * .0 .5 .7 .7 .7 .2 .2 .4
20. * .0 .6 .7 .8 .6 .2 .5 .3
25. * .0 .7 .8 .8 .3 .2 .5 .3
30. * .0 .8 .9 .9 .3 .2 .4 .2
35. * .0 .8 .9 .9 .5 .3 .4 .2
40. * .0 .9 .9 .9 .5 .4 .5 .2
45. * .1 .8 .9 .8 .4 .4 .5 .2
50. * .1 .8 .8 .7 .5 .5 .5 .1
55. * .2 .8 .8 .5 .6 .5 .5 .2
60. * .3 .8 .6 .6 .7 .6 .5 .2
65. * .3 .7 .7 .5 .7 .6 .5 .2
70. * .3 .7 .6 .5 .6 .6 .3 .2
75. * .4 .5 .5 .7 .6 .5 .3 .2
80. * .6 .4 .5 .4 .5 .5 .3 .1
85. * .9 .4 .4 .4 .4 .4 .2 .1
90. * .8 .2 .3 .3 .4 .3 .1 .1
95. * .7 .0 .1 .1 .3 .3 .1 .1
100. * .6 .0 .1 .1 .3 .3 .1 .1
105. * .6 .0 .0 .1 .3 .2 .1 .1
110. * .6 .0 .0 .1 .3 .2 .1 .1

```

115.	*	.6	.0	.0	.1	.2	.2	.1	.2
120.	*	.6	.0	.0	.0	.2	.2	.1	.2
125.	*	.5	.0	.0	.0	.2	.1	.1	.2
130.	*	.4	.0	.0	.0	.2	.1	.1	.2
135.	*	.4	.0	.0	.0	.2	.1	.1	.2
140.	*	.4	.0	.0	.0	.1	.2	.1	.2
145.	*	.4	.0	.0	.0	.0	.2	.1	.2
150.	*	.4	.0	.0	.0	.0	.2	.1	.1
155.	*	.4	.0	.0	.0	.0	.1	.1	.1
160.	*	.5	.0	.0	.0	.0	.0	.1	.0
165.	*	.4	.0	.0	.0	.0	.0	.0	.0
170.	*	.4	.0	.0	.0	.0	.0	.0	.0
175.	*	.4	.0	.0	.0	.0	.0	.0	.0
180.	*	.4	.0	.0	.0	.0	.0	.0	.0
185.	*	.4	.0	.0	.0	.0	.0	.0	.0
190.	*	.4	.0	.0	.0	.0	.0	.0	.0
195.	*	.5	.0	.0	.0	.0	.0	.0	.0
200.	*	.5	.0	.0	.0	.0	.0	.0	.0
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

1

JOB: PurpleLine S9 HighBRT2030PM

RUN: PurpleLine S9 HighBRT2030PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.6	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.5	.0	.1	.1	.0	.0	.0	.0
235.	*	.7	.2	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.6	.4	.5	.4	.3	.1	.0	.0
250.	*	.5	.6	.6	.6	.3	.1	.1	.0
255.	*	.4	.7	.7	.7	.3	.1	.1	.1
260.	*	.2	.8	.9	.9	.6	.1	.1	.1
265.	*	.1	.8	.9	.9	.7	.1	.1	.1
270.	*	.1	.9	.8	.9	.6	.2	.1	.1
275.	*	.0	.9	.7	.8	.6	.3	.1	.1
280.	*	.0	.7	.7	.8	.6	.3	.1	.1
285.	*	.0	.7	.7	.8	.6	.3	.1	.1
290.	*	.0	.6	.8	.8	.6	.3	.1	.1
295.	*	.0	.6	.7	.7	.6	.3	.3	.1
300.	*	.0	.6	.7	.7	.6	.3	.3	.1
305.	*	.0	.5	.7	.6	.6	.3	.3	.1
310.	*	.0	.5	.6	.6	.6	.3	.3	.0
315.	*	.0	.5	.6	.6	.6	.3	.3	.0
320.	*	.0	.5	.6	.6	.6	.3	.3	.0
325.	*	.0	.5	.6	.6	.6	.3	.3	.0
330.	*	.0	.5	.6	.6	.6	.3	.1	.1
335.	*	.0	.5	.6	.6	.6	.4	.2	.1
340.	*	.0	.5	.6	.6	.6	.4	.2	.1
345.	*	.0	.5	.6	.6	.6	.4	.2	.1
350.	*	.0	.5	.6	.6	.6	.4	.2	.2
355.	*	.0	.5	.6	.6	.5	.3	.2	.2
360.	*	.0	.5	.6	.6	.5	.3	.2	.2

MAX	*	.9	.9	.9	.9	.7	.6	.5	.4
DEGR.	*	85	40	30	30	15	60	20	10

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 245 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 100 DEGREES FROM REC8 .



PurpleLine S9	LowLRT2030AM				60.0321.0.0000.000280.30480000	1	1
SE MID S		1256.	672.	5.0			
SE 164 S		1220.	746.	5.0			
SE 82 S		1189.	822.	5.0			
SE CNR		1162.	921.	5.0			
SE 82 E		1254.	939.	5.0			
SE 164 E		1335.	942.	5.0			
SE MID E		1417.	946.	5.0			
NE MID E		1398.	1028.	5.0			
NE 164 E		1316.	1025.	5.0			
NE 82 E		1235.	1022.	5.0			
NE CNR		1120.	1053.	5.0			
NE 82 N		1079.	1172.	5.0			
NE 164 N		1064.	1255.	5.0			
NE MID N		1060.	1337.	5.0			
NW MID N		953.	1280.	5.0			
NW 164 N		963.	1200.	5.0			
NW 82 N		977.	1118.	5.0			
NW CNR		974.	1010.	5.0			
NW 82 W		877.	962.	5.0			
NW 164 W		801.	934.	5.0			
NW MID W		723.	907.	5.0			
SW MID W		768.	808.	5.0			
SW 164 W		845.	836.	5.0			
SW 82 W		922.	863.	5.0			
SW CNR		1005.	876.	5.0			
SW 82 S		1051.	806.	5.0			
SW 164 S		1082.	729.	5.0			
SW MID S		1116.	655.	5.0			
PurpleLine S9	LowLRT2030AM				42	1	0
1							
0	193nbD	AG	1085.	969.	1036.	1255.	625 2.7 0 56 30.
0	193nbD	AG	1033.	1254.	1015.	1684.	625 2.7 0 56 30.
0	193nbD	AG	1015.	1684.	1007.	1970.	625 2.7 0 56 30.
0	193sbAP	AG	953.	1972.	973.	1408.	1525 2.7 0 56 30.
0	193sbAP	AG	973.	1408.	986.	1249.	1525 2.7 0 56 30.
0	193sbTR	AG	983.	1246.	1032.	974.	1495 2.7 0 56 30.
0	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3
120	68		2.0	1495	29.1	1673 1 3	
0	193sbL	AG	1003.	1238.	1054.	980.	30 2.7 0 56 30.
0	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1
120	69		2.0	30	29.1	1770 1 3	
0	320ebD	AG	1055.	945.	1146.	959.	1865 2.7 0 44 30.
0	320ebD	AG	1146.	959.	2056.	1001.	1865 2.7 0 44 30.
0	320ebD	AG	2056.	1001.	2211.	1019.	1865 2.7 0 44 30.
0	320wbA	AG	2213.	1053.	2060.	1035.	2180 2.7 0 44 30.
0	320wbA	AG	2060.	1035.	1283.	1002.	2180 2.7 0 44 30.
0	320wbTR	AG	1283.	1003.	1068.	995.	1945 2.7 0 44 30.
0	230wbTRq	AG	1129.	997.	1281.	1003.	0. 24 2
120	73		2.0	1945	29.1	1692 1 3	
0	320wbL	AG	1278.	988.	1070.	982.	235 2.7 0 32 30.
0	230wbLq	AG	1132.	984.	1272.	988.	0. 12 1
120	101		2.0	235	29.1	1770 1 3	
0	193nbAP	AG	1623.	20.	1546.	163.	793 2.7 0 56 30.
0	193nbAP	AG	1546.	163.	1360.	444.	793 2.7 0 56 30.
0	193nbTR	AG	1359.	444.	1250.	622.	580 2.7 0 56 30.
0	193nbTR	AG	1250.	622.	1195.	729.	580 2.7 0 56 30.
0	193nbTR	AG	1195.	729.	1080.	1009.	580 2.7 0 56 30.
0	193nbTRQ	AG	1121.	910.	1195.	729.	0. 36 3
120	63		2.0	580	29.1	1669 1 3	
0	193nbL	AG	1336.	441.	1246.	585.	213 2.7 0 32 30.
0	193nbL	AG	1246.	585.	1174.	719.	213 2.7 0 32 30.
0	193nbL	AG	1174.	719.	1073.	970.	213 2.7 0 32 30.
0	193nbLQ	AG	1100.	903.	1172.	725.	0. 12 1
120	64		2.0	213	29.1	1770 1 3	
0	193sbD	AG	1024.	971.	1100.	760.	1330 2.7 0 56 30.

0		193sbD	AG	1100.	760.	1153.	636.	1330	2.7	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1330	2.7	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1330	2.7	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1330	2.7	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	2005	2.7	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	2005	2.7	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	1760	2.7	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
		120	74	2.0	1760	29.1	1674	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	245	2.7	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
		120	102	2.0	245	29.1	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2683	2.7	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2683	2.7	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2683	2.7	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 LowLRT2030AM  
 DATE: 12/19/2007 TIME: 09:32:07.88

RUN: PurpleLine S9 LowLRT2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	625.	2.7	.0	56.0	
2. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	625.	2.7	.0	56.0	
3. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	625.	2.7	.0	56.0	
4. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	1525.	2.7	.0	56.0	
5. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	1525.	2.7	.0	56.0	
6. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1495.	2.7	.0	56.0	
7. 0	193sbTRq	1023.0	1026.0	989.4	1208.1	*	185.	350. AG	133.	100.0	.0	36.0	.74 9.4
8. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	30.	2.7	.0	56.0	
9. 0	193sbLq	1044.0	1032.0	1041.8	1043.1	*	11.	349. AG	45.	100.0	.0	12.0	.04 .6
10. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	1865.	2.7	.0	44.0	
11. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1865.	2.7	.0	44.0	
12. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1865.	2.7	.0	44.0	
13. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2180.	2.7	.0	44.0	
14. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2180.	2.7	.0	44.0	
15. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1945.	2.7	.0	44.0	
16. 0	230wbTRq	1129.0	997.0	5308.0	1162.0	*	4182.	88. AG	95.	100.0	.0	24.0	1.60 212.5
17. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	235.	2.7	.0	32.0	
18. 0	230wbLq	1132.0	984.0	1476.4	993.8	*	345.	88. AG	66.	100.0	.0	12.0	1.06 17.5
19. 0	193nbAP	1623.0	20.0	1546.0	163.0	*	162.	332. AG	793.	2.7	.0	56.0	
20. 0	193nbAP	1546.0	163.0	1360.0	444.0	*	337.	326. AG	793.	2.7	.0	56.0	
21. 0	193nbTR	1359.0	444.0	1250.0	622.0	*	209.	329. AG	580.	2.7	.0	56.0	
22. 0	193nbTR	1250.0	622.0	1195.0	729.0	*	120.	333. AG	580.	2.7	.0	56.0	
23. 0	193nbTR	1195.0	729.0	1080.0	1009.0	*	303.	338. AG	580.	2.7	.0	56.0	
24. 0	193nbTRQ	1121.0	910.0	1146.2	848.5	*	66.	158. AG	123.	100.0	.0	36.0	.26 3.4
25. 0	193nbL	1336.0	441.0	1246.0	585.0	*	170.	328. AG	213.	2.7	.0	32.0	
26. 0	193nbL	1246.0	585.0	1174.0	719.0	*	152.	332. AG	213.	2.7	.0	32.0	
27. 0	193nbL	1174.0	719.0	1073.0	970.0	*	271.	338. AG	213.	2.7	.0	32.0	
28. 0	193nbLQ	1100.0	903.0	1128.0	833.9	*	75.	158. AG	42.	100.0	.0	12.0	.28 3.8
29. 0	193sbD	1024.0	971.0	1100.0	760.0	*	224.	160. AG	1330.	2.7	.0	56.0	
30. 0	193sbD	1100.0	760.0	1153.0	636.0	*	135.	157. AG	1330.	2.7	.0	56.0	
31. 0	193sbD	1153.0	636.0	1241.0	492.0	*	169.	149. AG	1330.	2.7	.0	56.0	
32. 0	193sbD	1241.0	492.0	1482.0	130.0	*	435.	146. AG	1330.	2.7	.0	56.0	
33. 0	193sbD	1482.0	130.0	1539.0	19.0	*	125.	153. AG	1330.	2.7	.0	56.0	
34. 0	320ebAP	15.0	586.0	227.0	645.0	*	220.	74. AG	2005.	2.7	.0	44.0	
35. 0	320ebAP	227.0	645.0	656.0	793.0	*	454.	71. AG	2005.	2.7	.0	44.0	
36. 0	320ebTR	655.0	793.0	1087.0	947.0	*	459.	70. AG	1760.	2.7	.0	44.0	
37. 0	320ebTRQ	1008.0	919.0	-2230.8	-229.6	*	3436.	250. AG	96.	100.0	.0	24.0	1.50 174.6
38. 0	320ebL	644.0	808.0	1071.0	958.0	*	453.	71. AG	245.	2.7	.0	32.0	
39. 0	320ebLQ	1004.0	934.0	434.2	734.6	*	604.	251. AG	66.	100.0	.0	12.0	1.19 30.7
40. 0	320wbD	1055.0	999.0	551.0	821.0	*	535.	251. AG	2683.	2.7	.0	44.0	
41. 0	320wbD	551.0	821.0	230.0	708.0	*	340.	251. AG	2683.	2.7	.0	44.0	
42. 0	320wbD	230.0	708.0	14.0	651.0	*	223.	255. AG	2683.	2.7	.0	44.0	

JOB: PurpleLine S9 LowLRT2030AM  
 DATE: 12/19/2007 TIME: 09:32:07.88

RUN: PurpleLine S9 LowLRT2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. 0	193sbTRq	120	68	2.0	1495	1673	29.10	1	3
9. 0	193sbLq	120	69	2.0	30	1770	29.10	1	3
16. 0	230wbTRq	120	73	2.0	1945	1692	29.10	1	3
18. 0	230wbLq	120	101	2.0	235	1770	29.10	1	3
24. 0	193nbTRQ	120	63	2.0	580	1669	29.10	1	3
28. 0	193nbLQ	120	64	2.0	213	1770	29.10	1	3
37. 0	320ebTRQ	120	74	2.0	1760	1674	29.10	1	3
39. 0	320ebLQ	120	102	2.0	245	1770	29.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*

13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 LowLRT2030AM

RUN: PurpleLine S9 LowLRT2030AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
5.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.0	.0
10.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.0	.0
15.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.0	.0
20.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.2	.6	.4	.1	.0
25.	*	.1	.1	.2	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
30.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
35.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1
40.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1
45.	*	.1	.1	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.2
50.	*	.1	.1	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.2	.5	.3	.2	.2
55.	*	.1	.1	.3	.7	.6	.6	.5	.0	.0	.0	.0	.0	.0	.1	.2	.5	.3	.2	.2
60.	*	.1	.1	.3	.6	.6	.6	.5	.1	.1	.0	.0	.0	.0	.1	.2	.5	.3	.2	.3
65.	*	.1	.1	.3	.6	.6	.6	.5	.2	.2	.0	.0	.0	.0	.1	.2	.5	.3	.3	.3
70.	*	.1	.1	.3	.6	.7	.7	.6	.2	.2	.2	.0	.0	.0	.1	.3	.5	.3	.4	.4
75.	*	.1	.1	.2	.6	.7	.6	.6	.4	.4	.4	.1	.0	.0	.1	.3	.5	.3	.4	.4
80.	*	.1	.1	.1	.6	.7	.5	.5	.5	.5	.5	.1	.0	.0	.1	.4	.5	.5	.4	.4
85.	*	.0	.1	.1	.4	.5	.5	.5	.7	.7	.7	.3	.1	.0	.1	.4	.6	.8	.5	.5
90.	*	.0	.0	.1	.3	.4	.4	.4	.8	.8	.9	.4	.1	.1	.0	.1	.5	.6	.8	.5
95.	*	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	.4	.1	.1	.1	.2	.5	.6	.8	.6
100.	*	.0	.0	.0	.0	.2	.2	.2	.9	1.0	1.0	.6	.1	.1	.1	.2	.5	.7	.7	.5
105.	*	.0	.0	.0	.0	.1	.1	.1	.9	1.0	.9	.6	.2	.1	.1	.2	.6	.7	.6	.6
110.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.2	.1	.1	.2	.6	.7	.5	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.2	.1	.1	.2	.6	.7	.3	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.1	.1	.1	.2	.6	.7	.3	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.1	.1	.1	.2	.6	.7	.3	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.8	.7	.4	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.7	.6	.4	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.7	.6	.4	.5
145.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.0	.3	.7	.6	.4	.5
150.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.4	.1	.1	.0	.4	.7	.6	.4	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.4	.1	.0	.0	.4	.7	.6	.4	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.3	.0	.0	.0	.4	.6	.5	.5	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.3	.0	.0	.0	.4	.5	.4	.4	.5
170.	*	.0	.1	.0	.0	.0	.0	.0	.7	.7	.7	.3	.1	.1	.0	.3	.3	.3	.5	.5
175.	*	.0	.1	.0	.1	.0	.0	.0	.7	.7	.7	.4	.1	.1	.1	.3	.4	.3	.5	.5
180.	*	.0	.1	.0	.1	.0	.0	.0	.7	.7	.7	.3	.1	.2	.1	.2	.3	.4	.5	.5
185.	*	.0	.1	.1	.1	.0	.0	.0	.7	.7	.7	.3	.1	.2	.1	.1	.3	.2	.5	.5
190.	*	.0	.1	.1	.2	.0	.0	.0	.7	.7	.7	.2	.2	.3	.2	.0	.2	.2	.5	.5
195.	*	.0	.0	.1	.2	.0	.0	.0	.7	.7	.7	.2	.4	.4	.2	.0	.2	.2	.5	.6
200.	*	.0	.0	.1	.2	.0	.0	.0	.7	.7	.7	.2	.4	.5	.3	.0	.2	.2	.5	.6
205.	*	.0	.0	.1	.3	.0	.0	.0	.7	.7	.7	.2	.5	.6	.3	.1	.2	.2	.5	.6

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JOB: PurpleLine S9 LowLRT2030AM

RUN: PurpleLine S9 LowLRT2030AM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.1	.0	.1	.3	.0	.0	.0	.7	.7	.8	.2	.6	.6	.3	.1	.2	.2	.5	.6
215.	*	.1	.0	.0	.3	.0	.0	.0	.7	.7	.8	.4	.6	.6	.3	.1	.2	.2	.5	.6
220.	*	.1	.0	.0	.3	.0	.0	.0	.7	.8	.8	.4	.6	.6	.2	.1	.2	.2	.5	.7
225.	*	.0	.0	.0	.3	.0	.0	.0	.7	.8	.8	.4	.6	.5	.3	.1	.1	.2	.6	.7
230.	*	.0	.0	.0	.3	.1	.0	.0	.8	.9	.7	.4	.6	.4	.3	.1	.1	.2	.7	.7
235.	*	.1	.0	.0	.2	.1	.0	.0	.9	.9	.8	.5	.6	.3	.3	.1	.1	.2	.6	.8
240.	*	.1	.1	.0	.3	.2	.0	.0	1.0	.9	.9	.6	.5	.3	.3	.1	.1	.1	.5	.6
245.	*	.1	.1	.1	.3	.2	.1	.1	1.0	.9	.9	.5	.5	.3	.1	.0	.1	.1	.4	.6
250.	*	.1	.1	.2	.5	.2	.1	.2	1.1	1.1	1.1	.5	.5	.1	.1	.0	.0	.1	.3	.4
255.	*	.0	.1	.1	.6	.4	.2	.2	1.0	1.0	.9	.4	.4	.0	.2	.0	.0	.0	.2	.3
260.	*	.1	.1	.1	.6	.5	.2	.2	1.0	.9	.6	.4	.4	.0	.2	.0	.0	.0	.1	.3

265.	*	.1	.1	.2	.6	.4	.3	.2	.8	.7	.6	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
270.	*	.1	.1	.2	.6	.4	.4	.5	.6	.4	.4	.2	.4	.0	.2	.0	.0	.0	.0	.1	.1
275.	*	.1	.1	.3	.5	.4	.5	.4	.4	.4	.3	.3	.4	.1	.2	.0	.0	.0	.0	.1	.1
280.	*	.2	.1	.5	.4	.3	.5	.5	.2	.4	.3	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0
285.	*	.2	.2	.6	.3	.5	.5	.6	.2	.2	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0
290.	*	.2	.2	.6	.3	.5	.5	.7	.1	.1	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0
295.	*	.2	.2	.6	.2	.6	.6	.6	.0	.1	.1	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
300.	*	.1	.2	.3	.3	.6	.7	.6	.0	.0	.1	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.4	.3	.6	.6	.6	.0	.0	.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
310.	*	.0	.1	.3	.3	.6	.6	.6	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
315.	*	.0	.2	.3	.4	.6	.7	.6	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
320.	*	.0	.2	.4	.3	.5	.6	.6	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
325.	*	.0	.2	.4	.3	.5	.6	.6	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
330.	*	.0	.2	.3	.3	.5	.5	.6	.0	.0	.0	.1	.1	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.0	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
340.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.2	.0	.0	.0
345.	*	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.0	.0	.0
350.	*	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.0
355.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.2	.0	.0
360.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
MAX	*	.2	.2	.6	.7	.7	.7	.7	1.1	1.1	1.1	.6	.6	.6	.3	.4	.8	.7	.8	.7	.8
DEGR.	*	280	285	285	55	70	70	290	250	250	250	100	210	205	200	150	130	100	90	220	90

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JOB: PurpleLine S9 LowLRT2030AM

RUN: PurpleLine S9 LowLRT2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.7	.7	.5	.2	.1	.1	
5.	.0	.7	.7	.6	.2	.1	.1	
10.	.0	.7	.7	.6	.1	.3	.1	
15.	.0	.7	.7	.6	.1	.3	.1	
20.	.0	.7	.8	.4	.1	.3	.1	
25.	.0	.7	.8	.2	.1	.4	.1	
30.	.0	.7	.8	.2	.3	.4	.1	
35.	.0	.8	.8	.2	.3	.3	.2	
40.	.0	.8	.8	.4	.3	.2	.2	
45.	.1	.7	.7	.5	.3	.2	.2	
50.	.2	.7	.7	.5	.4	.2	.2	
55.	.2	.7	.7	.6	.5	.4	.2	
60.	.3	.7	.7	.5	.6	.4	.2	
65.	.2	.7	.6	.5	.4	.5	.2	
70.	.4	.6	.5	.5	.6	.5	.2	
75.	.4	.5	.3	.4	.5	.3	.2	
80.	.6	.3	.3	.3	.5	.2	.2	
85.	.8	.3	.3	.3	.4	.2	.2	
90.	.8	.2	.2	.1	.3	.2	.1	
95.	.7	.0	.0	.0	.3	.1	.1	
100.	.6	.0	.0	.0	.2	.1	.1	
105.	.6	.0	.0	.0	.2	.1	.1	
110.	.6	.0	.0	.0	.1	.1	.1	
115.	.6	.0	.0	.0	.1	.1	.1	
120.	.6	.0	.0	.0	.1	.1	.1	
125.	.6	.0	.0	.0	.1	.1	.1	
130.	.5	.0	.0	.0	.1	.1	.1	
135.	.5	.0	.0	.0	.1	.2	.1	
140.	.5	.0	.0	.0	.1	.2	.1	
145.	.5	.0	.0	.0	.1	.2	.1	
150.	.5	.0	.0	.0	.0	.2	.1	
155.	.5	.0	.0	.0	.0	.2	.1	
160.	.6	.0	.0	.0	.0	.1	.1	
165.	.5	.0	.0	.0	.0	.0	.1	
170.	.5	.0	.0	.0	.0	.0	.0	
175.	.5	.0	.0	.0	.0	.0	.0	
180.	.5	.0	.0	.0	.0	.0	.0	
185.	.5	.0	.0	.0	.0	.0	.0	
190.	.5	.0	.0	.0	.0	.0	.0	
195.	.6	.0	.0	.0	.0	.0	.0	
200.	.6	.0	.0	.0	.0	.0	.0	
205.	.6	.0	.0	.0	.0	.0	.0	

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JOB: PurpleLine S9 LowLRT2030AM

RUN: PurpleLine S9 LowLRT2030AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.5	.0	.0	.0	.0	.0	.0	

215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.7	.0	.0	.0	.0	.0	.0	.0
225.	*	.7	.0	.0	.0	.0	.0	.0	.0
230.	*	.7	.1	.1	.1	.0	.0	.0	.0
235.	*	.8	.1	.2	.2	.1	.0	.0	.0
240.	*	.8	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.5	.5	.3	.1	.0	.0
250.	*	.4	.6	.7	.6	.4	.1	.1	.0
255.	*	.4	.8	.8	.7	.5	.1	.1	.1
260.	*	.2	.9	.9	.8	.6	.1	.1	.1
265.	*	.1	.9	.8	.8	.6	.1	.1	.1
270.	*	.1	1.0	.8	.8	.7	.1	.1	.1
275.	*	.0	.9	.8	.8	.7	.4	.1	.1
280.	*	.0	.8	.8	.8	.7	.4	.1	.1
285.	*	.0	.7	.7	.7	.5	.4	.1	.1
290.	*	.0	.7	.7	.7	.5	.4	.1	.1
295.	*	.0	.7	.7	.7	.5	.4	.2	.1
300.	*	.0	.7	.7	.7	.5	.4	.2	.1
305.	*	.0	.7	.7	.7	.5	.4	.2	.1
310.	*	.0	.7	.7	.7	.5	.3	.2	.1
315.	*	.0	.7	.7	.7	.5	.3	.2	.1
320.	*	.0	.6	.6	.6	.5	.3	.2	.1
325.	*	.0	.6	.7	.7	.5	.3	.2	.1
330.	*	.0	.7	.7	.7	.5	.4	.2	.1
335.	*	.0	.7	.7	.7	.5	.4	.1	.1
340.	*	.0	.7	.7	.7	.5	.4	.1	.2
345.	*	.0	.7	.7	.7	.6	.4	.2	.2
350.	*	.0	.7	.7	.7	.7	.4	.2	.2
355.	*	.0	.7	.7	.7	.5	.3	.2	.1
360.	*	.0	.7	.7	.7	.5	.2	.1	.1
-----									
MAX	*	.8	1.0	.9	.8	.7	.5	.4	.2
DEGR.	*	235	270	260	5	270	65	25	35

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC8 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .

PurpleLine S9	LowLRT2030PM				60.0321.0.0000.000280.30480000	1	1
SE MID S		1256.	672.	5.0			
SE 164 S		1220.	746.	5.0			
SE 82 S		1189.	822.	5.0			
SE CNR		1162.	921.	5.0			
SE 82 E		1254.	939.	5.0			
SE 164 E		1335.	942.	5.0			
SE MID E		1417.	946.	5.0			
NE MID E		1398.	1028.	5.0			
NE 164 E		1316.	1025.	5.0			
NE 82 E		1235.	1022.	5.0			
NE CNR		1120.	1053.	5.0			
NE 82 N		1079.	1172.	5.0			
NE 164 N		1064.	1255.	5.0			
NE MID N		1060.	1337.	5.0			
NW MID N		953.	1280.	5.0			
NW 164 N		963.	1200.	5.0			
NW 82 N		977.	1118.	5.0			
NW CNR		974.	1010.	5.0			
NW 82 W		877.	962.	5.0			
NW 164 W		801.	934.	5.0			
NW MID W		723.	907.	5.0			
SW MID W		768.	808.	5.0			
SW 164 W		845.	836.	5.0			
SW 82 W		922.	863.	5.0			
SW CNR		1005.	876.	5.0			
SW 82 S		1051.	806.	5.0			
SW 164 S		1082.	729.	5.0			
SW MID S		1116.	655.	5.0			
PurpleLine S9	LowLRT2030PM				42	1	0
1							
0	193nbD	AG	1085.	969.	1036.	1255.	1310 2.7 0 56 30.
1							
0	193nbD	AG	1033.	1254.	1015.	1684.	1310 2.7 0 56 30.
1							
0	193nbD	AG	1015.	1684.	1007.	1970.	1310 2.7 0 56 30.
1							
0	193sbAP	AG	953.	1972.	973.	1408.	870 2.7 0 56 30.
1							
0	193sbAP	AG	973.	1408.	986.	1249.	870 2.7 0 56 30.
1							
0	193sbTR	AG	983.	1246.	1032.	974.	795 2.7 0 56 30.
2							
0	193sbTRq	AG	1023.	1026.	983.	1243.	0. 36 3
120	88		2.0	795	29.1	1701 1 3	
1							
0	193sbL	AG	1003.	1238.	1054.	980.	75 2.7 0 56 30.
2							
0	193sbLq	AG	1044.	1032.	1005.	1229.	0. 12 1
120	85		2.0	75	29.1	1770 1 3	
1							
0	320ebD	AG	1055.	945.	1146.	959.	2455 2.7 0 44 30.
1							
0	320ebD	AG	1146.	959.	2056.	1001.	2455 2.7 0 44 30.
1							
0	320ebD	AG	2056.	1001.	2211.	1019.	2455 2.7 0 44 30.
1							
0	320wbA	AG	2213.	1053.	2060.	1035.	2510 2.7 0 44 30.
1							
0	320wbA	AG	2060.	1035.	1283.	1002.	2510 2.7 0 44 30.
1							
0	320wbTR	AG	1283.	1003.	1068.	995.	2205 2.7 0 44 30.
2							
0	230wbTRq	AG	1129.	997.	1281.	1003.	0. 24 2
120	65		2.0	2205	29.1	1688 1 3	
1							
0	320wbL	AG	1278.	988.	1070.	982.	305 2.7 0 32 30.
2							
0	230wbLq	AG	1132.	984.	1272.	988.	0. 12 1
120	97		2.0	305	29.1	1770 1 3	
1							
0	193nbAP	AG	1623.	20.	1546.	163.	1585 2.7 0 56 30.
1							
0	193nbAP	AG	1546.	163.	1360.	444.	1585 2.7 0 56 30.
1							
0	193nbTR	AG	1359.	444.	1250.	622.	1235 2.7 0 56 30.
1							
0	193nbTR	AG	1250.	622.	1195.	729.	1235 2.7 0 56 30.
1							
0	193nbTR	AG	1195.	729.	1080.	1009.	1235 2.7 0 56 30.
2							
0	193nbTRQ	AG	1121.	910.	1195.	729.	0. 36 3
120	77		2.0	1235	29.1	1707 1 3	
1							
0	193nbL	AG	1336.	441.	1246.	585.	350 2.7 0 32 30.
1							
0	193nbL	AG	1246.	585.	1174.	719.	350 2.7 0 32 30.
1							
0	193nbL	AG	1174.	719.	1073.	970.	350 2.7 0 32 30.
2							
0	193nbLQ	AG	1100.	903.	1172.	725.	0. 12 1
120	71		2.0	350	29.1	1770 1 3	
1							
0	193sbD	AG	1024.	971.	1100.	760.	1140 2.7 0 56 30.
1							

0		193sbD	AG	1100.	760.	1153.	636.	1140	2.7	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1140	2.7	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1140	2.7	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1140	2.7	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	2640	2.7	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	2640	2.7	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	2360	2.7	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
		120	65	2.0	2360	29.1	1668	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	280	2.7	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
		120	97	2.0	280	29.1	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2700	2.7	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2700	2.7	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2700	2.7	0	44	30.
1.0	04	1000	0Y	5	0	72						



JOB: PurpleLine S9 LowLRT2030PM  
 DATE: 12/19/2007 TIME: 09:35:36.49

RUN: PurpleLine S9 LowLRT2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	1310.	2.7	.0	56.0	
2. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	1310.	2.7	.0	56.0	
3. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	1310.	2.7	.0	56.0	
4. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	870.	2.7	.0	56.0	
5. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	870.	2.7	.0	56.0	
6. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	795.	2.7	.0	56.0	
7. 0	193sbTRq	1023.0	1026.0	999.9	1151.4	*	128.	350. AG	172.	100.0	.0	36.0	.67 6.5
8. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	75.	2.7	.0	56.0	
9. 0	193sbLq	1044.0	1032.0	1037.2	1066.2	*	35.	349. AG	55.	100.0	.0	12.0	.16 1.8
10. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	2455.	2.7	.0	44.0	
11. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	2455.	2.7	.0	44.0	
12. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	2455.	2.7	.0	44.0	
13. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2510.	2.7	.0	44.0	
14. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2510.	2.7	.0	44.0	
15. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	2205.	2.7	.0	44.0	
16. 0	230wbTRq	1129.0	997.0	5506.7	1169.8	*	4381.	88. AG	85.	100.0	.0	24.0	1.54 222.6
17. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	305.	2.7	.0	32.0	
18. 0	230wbLq	1132.0	984.0	1628.3	998.2	*	497.	88. AG	63.	100.0	.0	12.0	1.09 25.2
19. 0	193nbAP	1623.0	20.0	1546.0	163.0	*	162.	332. AG	1585.	2.7	.0	56.0	
20. 0	193nbAP	1546.0	163.0	1360.0	444.0	*	337.	326. AG	1585.	2.7	.0	56.0	
21. 0	193nbTR	1359.0	444.0	1250.0	622.0	*	209.	329. AG	1235.	2.7	.0	56.0	
22. 0	193nbTR	1250.0	622.0	1195.0	729.0	*	120.	333. AG	1235.	2.7	.0	56.0	
23. 0	193nbTR	1195.0	729.0	1080.0	1009.0	*	303.	338. AG	1235.	2.7	.0	56.0	
24. 0	193nbTRQ	1121.0	910.0	1186.5	749.8	*	173.	158. AG	150.	100.0	.0	36.0	.74 8.8
25. 0	193nbL	1336.0	441.0	1246.0	585.0	*	170.	328. AG	350.	2.7	.0	32.0	
26. 0	193nbL	1246.0	585.0	1174.0	719.0	*	152.	332. AG	350.	2.7	.0	32.0	
27. 0	193nbL	1174.0	719.0	1073.0	970.0	*	271.	338. AG	350.	2.7	.0	32.0	
28. 0	193nbLQ	1100.0	903.0	1151.0	777.0	*	136.	158. AG	46.	100.0	.0	12.0	.53 6.9
29. 0	193sbD	1024.0	971.0	1100.0	760.0	*	224.	160. AG	1140.	2.7	.0	56.0	
30. 0	193sbD	1100.0	760.0	1153.0	636.0	*	135.	157. AG	1140.	2.7	.0	56.0	
31. 0	193sbD	1153.0	636.0	1241.0	492.0	*	169.	149. AG	1140.	2.7	.0	56.0	
32. 0	193sbD	1241.0	492.0	1482.0	130.0	*	435.	146. AG	1140.	2.7	.0	56.0	
33. 0	193sbD	1482.0	130.0	1539.0	19.0	*	125.	153. AG	1140.	2.7	.0	56.0	
34. 0	320ebAP	15.0	586.0	227.0	645.0	*	220.	74. AG	2640.	2.7	.0	44.0	
35. 0	320ebAP	227.0	645.0	656.0	793.0	*	454.	71. AG	2640.	2.7	.0	44.0	
36. 0	320ebTR	655.0	793.0	1087.0	947.0	*	459.	70. AG	2360.	2.7	.0	44.0	
37. 0	320ebTRQ	1008.0	919.0	-3969.0	-846.1	*	5281.	250. AG	85.	100.0	.0	24.0	1.67 268.3
38. 0	320ebL	644.0	808.0	1071.0	958.0	*	453.	71. AG	280.	2.7	.0	32.0	
39. 0	320ebLQ	1004.0	934.0	787.0	858.0	*	230.	251. AG	63.	100.0	.0	12.0	1.00 11.7
40. 0	320wbD	1055.0	999.0	551.0	821.0	*	535.	251. AG	2700.	2.7	.0	44.0	
41. 0	320wbD	551.0	821.0	230.0	708.0	*	340.	251. AG	2700.	2.7	.0	44.0	
42. 0	320wbD	230.0	708.0	14.0	651.0	*	223.	255. AG	2700.	2.7	.0	44.0	

JOB: PurpleLine S9 LowLRT2030PM  
 DATE: 12/19/2007 TIME: 09:35:36.49

RUN: PurpleLine S9 LowLRT2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. 0	193sbTRq	120	88	2.0	795	1701	29.10	1	3
9. 0	193sbLq	120	85	2.0	75	1770	29.10	1	3
16. 0	230wbTRq	120	65	2.0	2205	1688	29.10	1	3
18. 0	230wbLq	120	97	2.0	305	1770	29.10	1	3
24. 0	193nbTRQ	120	77	2.0	1235	1707	29.10	1	3
28. 0	193nbLQ	120	71	2.0	350	1770	29.10	1	3
37. 0	320ebTRQ	120	65	2.0	2360	1668	29.10	1	3
39. 0	320ebLQ	120	97	2.0	280	1770	29.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*

13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 LowLRT2030PM

RUN: PurpleLine S9 LowLRT2030PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.0	.2	.1	.0	.0	
5.	*	.0	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0	
10.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.2	.2	.3	.3	.0	.0	
15.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.4	.0	.0	
20.	*	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.0	.0	
25.	*	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.1	.0	
30.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.6	.1	.0	
35.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.5	.6	.1	.0	
40.	*	.0	.3	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.5	.5	.1	.1	
45.	*	.0	.3	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.1	.2	
50.	*	.1	.3	.3	.5	.7	.8	.8	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2	
55.	*	.1	.3	.3	.6	.7	.8	.8	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2	
60.	*	.1	.3	.3	.6	.8	.8	.8	.1	.1	.0	.0	.0	.0	.2	.1	.7	.5	.2	.3	
65.	*	.1	.2	.3	.6	.8	.8	.8	.1	.1	.0	.0	.0	.0	.2	.1	.7	.4	.3	.3	
70.	*	.1	.1	.3	.6	.8	.8	.8	.2	.2	.3	.0	.0	.0	.2	.2	.7	.4	.4	.5	
75.	*	.1	.1	.3	.6	.9	.8	.7	.3	.3	.3	.0	.0	.0	.2	.2	.7	.5	.4	.4	
80.	*	.0	.1	.2	.6	.7	.7	.7	.4	.5	.6	.1	.0	.0	.2	.2	.7	.7	.5	.5	
85.	*	.0	.0	.1	.5	.7	.7	.6	.7	.8	.8	.2	.0	.0	.2	.2	.8	.9	.5	.7	
90.	*	.0	.0	.0	.3	.5	.4	.4	1.0	1.0	.9	.4	.1	.0	.2	.3	.8	.8	.6	.8	
95.	*	.0	.0	.0	.2	.4	.3	.3	1.0	1.0	.9	.5	.1	.1	.0	.2	.3	.9	.7	.6	.7
100.	*	.0	.0	.0	.1	.1	.1	.1	1.1	1.1	.6	.2	.1	.1	.2	.3	1.0	.6	.7	.7	
105.	*	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	.6	.3	.1	.1	.2	.3	1.0	.6	.6	.7	
110.	*	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	.6	.3	.1	.1	.2	.4	.9	.6	.7	.7	
115.	*	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.6	.3	.2	.1	.2	.4	1.0	.5	.7	.6	
120.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.3	.1	.1	.2	.5	1.0	.6	.7	.6	
125.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.2	.1	.0	.3	.4	1.0	.6	.7	.6	
130.	*	.0	.0	.0	.0	.0	.0	.9	.9	.8	.5	.2	.1	.0	.2	.4	.9	.6	.5	.5	
135.	*	.0	.0	.0	.0	.0	.0	.8	.8	.7	.5	.2	.1	.0	.1	.4	.8	.5	.5	.5	
140.	*	.0	.0	.0	.0	.0	.0	.8	.8	.7	.4	.2	.1	.0	.2	.4	.7	.5	.5	.5	
145.	*	.1	.0	.0	.0	.0	.0	.7	.7	.7	.4	.2	.0	.0	.3	.5	.7	.5	.5	.5	
150.	*	.1	.1	.0	.1	.0	.0	.7	.7	.7	.4	.2	.0	.0	.3	.5	.7	.5	.5	.5	
155.	*	.2	.1	.2	.1	.0	.0	.7	.7	.7	.5	.1	.1	.0	.3	.5	.7	.4	.5	.5	
160.	*	.2	.1	.2	.1	.0	.0	.7	.7	.7	.5	.3	.1	.0	.2	.4	.6	.5	.5	.6	
165.	*	.2	.1	.3	.3	.0	.0	.7	.7	.7	.4	.2	.1	.0	.2	.4	.5	.4	.5	.6	
170.	*	.2	.1	.3	.3	.0	.0	.7	.7	.7	.5	.2	.2	.1	.2	.3	.5	.4	.5	.5	
175.	*	.2	.1	.4	.4	.0	.0	.7	.7	.7	.5	.2	.2	.3	.1	.4	.3	.5	.5	.5	
180.	*	.2	.1	.4	.4	.0	.0	.7	.7	.7	.4	.1	.3	.3	.1	.2	.3	.5	.5	.5	
185.	*	.2	.1	.5	.5	.0	.0	.7	.7	.8	.4	.2	.3	.3	.1	.2	.3	.5	.5	.4	
190.	*	.1	.1	.5	.5	.0	.0	.7	.7	.8	.4	.3	.3	.3	.0	.1	.3	.5	.5	.4	
195.	*	.1	.1	.5	.5	.1	.0	.7	.7	.8	.4	.4	.4	.3	.0	.1	.3	.5	.6	.5	
200.	*	.1	.1	.5	.6	.1	.0	.7	.7	.8	.5	.5	.5	.2	.0	.2	.3	.5	.6	.5	
205.	*	.1	.1	.5	.6	.1	.0	.7	.8	.8	.5	.5	.4	.2	.0	.2	.3	.5	.6	.5	

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JOB: PurpleLine S9 LowLRT2030PM

RUN: PurpleLine S9 LowLRT2030PM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.1	.1	.5	.6	.1	.0	.0	.7	.8	.8	.5	.6	.4	.1	.0	.2	.3	.5	.6	.5
215.	*	.1	.1	.5	.6	.1	.1	.0	.7	.8	.8	.4	.6	.4	.1	.0	.2	.3	.5	.6	.5
220.	*	.1	.1	.5	.5	.2	.1	.0	.9	.9	.8	.5	.5	.4	.1	.1	.2	.2	.5	.5	.5
225.	*	.1	.1	.5	.5	.2	.1	.0	.9	.9	.8	.5	.5	.3	.2	.1	.1	.2	.6	.5	.6
230.	*	.1	.1	.5	.4	.1	.1	.0	1.0	.9	.9	.5	.5	.2	.2	.1	.1	.2	.5	.5	.6
235.	*	.1	.2	.5	.4	.1	.1	.1	1.0	.9	1.1	.5	.5	.2	.2	.1	.1	.2	.5	.8	.7
240.	*	.1	.1	.6	.5	.2	.1	.1	1.0	1.0	1.1	.5	.4	.2	.2	.1	.1	.1	.4	.7	.6
245.	*	.1	.1	.6	.5	.2	.2	.9	1.1	1.2	.6	.4	.2	.1	.0	.1	.1	.3	.5	.6	.6
250.	*	.1	.1	.7	.5	.3	.3	.3	1.1	1.1	.5	.4	.1	.1	.0	.0	.1	.3	.4	.6	.6
255.	*	.1	.3	.7	.7	.4	.3	.3	1.0	1.1	.9	.4	.2	.1	.1	.0	.0	.2	.3	.3	.3
260.	*	.2	.3	.7	.6	.5	.4	.3	1.1	.9	.8	.3	.2	.1	.1	.0	.0	.1	.3	.3	.3

265.	*	.2	.3	.7	.6	.5	.5	.3	.8	.8	.6	.4	.2	.2	.1	.0	.0	.0	.0	.1	.1
270.	*	.2	.4	.8	.6	.6	.5	.4	.6	.4	.5	.3	.1	.2	.1	.0	.0	.0	.0	.1	.1
275.	*	.2	.4	.9	.6	.5	.4	.6	.4	.4	.4	.3	.1	.1	.1	.0	.0	.0	.0	.1	.1
280.	*	.2	.4	.9	.4	.5	.6	.6	.2	.4	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
285.	*	.2	.5	1.0	.4	.4	.6	.7	.2	.2	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
290.	*	.2	.5	1.0	.4	.6	.7	.7	.1	.1	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
295.	*	.1	.7	.9	.5	.7	.7	.6	.1	.0	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
300.	*	.2	.6	.9	.5	.7	.6	.6	.0	.0	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
305.	*	.2	.5	.9	.6	.7	.6	.6	.0	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
310.	*	.2	.6	.7	.5	.6	.7	.6	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.6	.6	.5	.5	.6	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
320.	*	.4	.7	.6	.5	.5	.6	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
325.	*	.4	.5	.5	.6	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
330.	*	.4	.5	.5	.5	.5	.5	.5	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0
335.	*	.4	.4	.4	.6	.5	.5	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
340.	*	.2	.3	.2	.5	.5	.5	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
345.	*	.1	.3	.3	.5	.5	.5	.5	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0
350.	*	.1	.2	.3	.4	.5	.5	.5	.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	.1	.1	.0
355.	*	.0	.0	.3	.4	.5	.5	.5	.0	.0	.0	.0	.2	.1	.1	.1	.0	.1	.1	.0	.0
360.	*	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.0	.2	.1	.0	.0
-----																					
MAX	*	.4	.7	1.0	.7	.9	.8	.8	1.1	1.1	1.2	.6	.6	.5	.3	.3	.5	1.0	.9	.8	.8
DEGR.	*	315	295	285	255	75	50	50	100	250	245	100	210	200	175	125	120	100	85	235	90

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JOB: PurpleLine S9 LowLRT2030PM

RUN: PurpleLine S9 LowLRT2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.5	.6	.6	.5	.3	.2	.2
5.	.0	.5	.6	.7	.5	.3	.2	.2
10.	.0	.5	.6	.7	.6	.1	.2	.4
15.	.0	.5	.7	.7	.7	.2	.2	.4
20.	.0	.6	.7	.8	.6	.2	.5	.3
25.	.0	.7	.8	.8	.3	.2	.5	.3
30.	.0	.8	.9	.9	.3	.2	.4	.2
35.	.0	.8	.9	.9	.5	.3	.4	.2
40.	.0	.9	.9	.9	.5	.4	.5	.2
45.	.1	.8	.9	.8	.4	.4	.5	.2
50.	.1	.8	.8	.7	.5	.5	.5	.1
55.	.2	.8	.8	.5	.6	.5	.5	.2
60.	.3	.8	.6	.6	.7	.6	.5	.2
65.	.3	.7	.7	.5	.7	.6	.5	.2
70.	.3	.7	.6	.5	.6	.6	.3	.2
75.	.4	.5	.5	.7	.6	.5	.3	.2
80.	.6	.4	.5	.4	.5	.5	.3	.1
85.	.9	.4	.4	.4	.4	.4	.2	.1
90.	.8	.2	.3	.3	.4	.3	.1	.1
95.	.7	.0	.1	.1	.3	.3	.1	.1
100.	.6	.0	.1	.1	.3	.3	.1	.1
105.	.6	.0	.0	.1	.3	.2	.1	.1
110.	.6	.0	.0	.1	.3	.2	.1	.1
115.	.6	.0	.0	.1	.2	.2	.1	.2
120.	.6	.0	.0	.0	.2	.2	.1	.2
125.	.5	.0	.0	.0	.2	.1	.1	.2
130.	.4	.0	.0	.0	.2	.1	.1	.2
135.	.4	.0	.0	.0	.2	.1	.1	.2
140.	.4	.0	.0	.0	.1	.2	.1	.2
145.	.4	.0	.0	.0	.0	.2	.1	.2
150.	.4	.0	.0	.0	.0	.2	.1	.1
155.	.4	.0	.0	.0	.0	.1	.1	.1
160.	.5	.0	.0	.0	.0	.0	.1	.0
165.	.4	.0	.0	.0	.0	.0	.0	.0
170.	.4	.0	.0	.0	.0	.0	.0	.0
175.	.4	.0	.0	.0	.0	.0	.0	.0
180.	.4	.0	.0	.0	.0	.0	.0	.0
185.	.4	.0	.0	.0	.0	.0	.0	.0
190.	.4	.0	.0	.0	.0	.0	.0	.0
195.	.5	.0	.0	.0	.0	.0	.0	.0
200.	.5	.0	.0	.0	.0	.0	.0	.0
205.	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 LowLRT2030PM

RUN: PurpleLine S9 LowLRT2030PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.6	.0	.0	.0	.0	.0	.0	.0

215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.5	.0	.1	.1	.0	.0	.0	.0
235.	*	.7	.2	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.6	.4	.5	.4	.3	.1	.0	.0
250.	*	.5	.6	.6	.6	.3	.1	.1	.0
255.	*	.4	.7	.7	.7	.3	.1	.1	.1
260.	*	.2	.8	.9	.9	.6	.1	.1	.1
265.	*	.1	.8	.9	.9	.7	.1	.1	.1
270.	*	.1	.9	.8	.9	.6	.2	.1	.1
275.	*	.0	.9	.7	.8	.6	.3	.1	.1
280.	*	.0	.7	.7	.8	.6	.3	.1	.1
285.	*	.0	.7	.7	.8	.6	.3	.1	.1
290.	*	.0	.6	.8	.8	.6	.3	.1	.1
295.	*	.0	.6	.7	.7	.6	.3	.3	.1
300.	*	.0	.6	.7	.7	.6	.3	.3	.1
305.	*	.0	.5	.7	.6	.6	.3	.3	.1
310.	*	.0	.5	.6	.6	.6	.3	.3	.0
315.	*	.0	.5	.6	.6	.6	.3	.3	.0
320.	*	.0	.5	.6	.6	.6	.3	.3	.0
325.	*	.0	.5	.6	.6	.6	.3	.3	.0
330.	*	.0	.5	.6	.6	.6	.3	.1	.1
335.	*	.0	.5	.6	.6	.6	.4	.2	.1
340.	*	.0	.5	.6	.6	.6	.4	.2	.1
345.	*	.0	.5	.6	.6	.6	.4	.2	.1
350.	*	.0	.5	.6	.6	.6	.4	.2	.2
355.	*	.0	.5	.6	.6	.5	.3	.2	.2
360.	*	.0	.5	.6	.6	.5	.3	.2	.2
-----									
MAX	*	.9	.9	.9	.9	.7	.6	.5	.4
DEGR.	*	85	40	30	30	15	60	20	10

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 245 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 100 DEGREES FROM REC8 .

PurpleLine S9 HighLRT2030AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1256.	672.	5.0
SE 164 S	1220.	746.	5.0
SE 82 S	1189.	822.	5.0
SE CNR	1162.	921.	5.0
SE 82 E	1254.	939.	5.0
SE 164 E	1335.	942.	5.0
SE MID E	1417.	946.	5.0
NE MID E	1398.	1028.	5.0
NE 164 E	1316.	1025.	5.0
NE 82 E	1235.	1022.	5.0
NE CNR	1120.	1053.	5.0
NE 82 N	1079.	1172.	5.0
NE 164 N	1064.	1255.	5.0
NE MID N	1060.	1337.	5.0
NW MID N	953.	1280.	5.0
NW 164 N	963.	1200.	5.0
NW 82 N	977.	1118.	5.0
NW CNR	974.	1010.	5.0
NW 82 W	877.	962.	5.0
NW 164 W	801.	934.	5.0
NW MID W	723.	907.	5.0
SW MID W	768.	808.	5.0
SW 164 W	845.	836.	5.0
SW 82 W	922.	863.	5.0
SW CNR	1005.	876.	5.0
SW 82 S	1051.	806.	5.0
SW 164 S	1082.	729.	5.0
SW MID S	1116.	655.	5.0
PurpleLine S9 HighLRT2030AM	42	1	0
1			
0	193nbD	AG 1085.	969. 1036. 1255. 625 2.7 0 56 30.
0	193nbD	AG 1033.	1254. 1015. 1684. 625 2.7 0 56 30.
0	193nbD	AG 1015.	1684. 1007. 1970. 625 2.7 0 56 30.
0	193sbAP	AG 953.	1972. 973. 1408. 1525 2.7 0 56 30.
0	193sbAP	AG 973.	1408. 986. 1249. 1525 2.7 0 56 30.
0	193sbTR	AG 983.	1246. 1032. 974. 1495 2.7 0 56 30.
0	193sbTRq	AG 1023.	1026. 983. 1243. 0. 36 3
120	68	2.0	1495 29.1 1673 1 3
0	193sbL	AG 1003.	1238. 1054. 980. 30 2.7 0 56 30.
0	193sbLq	AG 1044.	1032. 1005. 1229. 0. 12 1
120	69	2.0	30 29.1 1770 1 3
0	320ebD	AG 1055.	945. 1146. 959. 1865 2.7 0 44 30.
0	320ebD	AG 1146.	959. 2056. 1001. 1865 2.7 0 44 30.
0	320ebD	AG 2056.	1001. 2211. 1019. 1865 2.7 0 44 30.
0	320wbA	AG 2213.	1053. 2060. 1035. 2180 2.7 0 44 30.
0	320wbA	AG 2060.	1035. 1283. 1002. 2180 2.7 0 44 30.
0	320wbTR	AG 1283.	1003. 1068. 995. 1945 2.7 0 44 30.
0	230wbTRq	AG 1129.	997. 1281. 1003. 0. 24 2
120	73	2.0	1945 29.1 1692 1 3
0	320wbL	AG 1278.	988. 1070. 982. 235 2.7 0 32 30.
0	230wbLq	AG 1132.	984. 1272. 988. 0. 12 1
120	101	2.0	235 29.1 1770 1 3
0	193nbAP	AG 1623.	20. 1546. 163. 793 2.7 0 56 30.
0	193nbAP	AG 1546.	163. 1360. 444. 793 2.7 0 56 30.
0	193nbTR	AG 1359.	444. 1250. 622. 580 2.7 0 56 30.
0	193nbTR	AG 1250.	622. 1195. 729. 580 2.7 0 56 30.
0	193nbTR	AG 1195.	729. 1080. 1009. 580 2.7 0 56 30.
0	193nbTRQ	AG 1121.	910. 1195. 729. 0. 36 3
120	63	2.0	580 29.1 1669 1 3
0	193nbL	AG 1336.	441. 1246. 585. 213 2.7 0 32 30.
0	193nbL	AG 1246.	585. 1174. 719. 213 2.7 0 32 30.
0	193nbL	AG 1174.	719. 1073. 970. 213 2.7 0 32 30.
0	193nbLQ	AG 1100.	903. 1172. 725. 0. 12 1
120	64	2.0	213 29.1 1770 1 3
0	193sbD	AG 1024.	971. 1100. 760. 1330 2.7 0 56 30.
0			

0		193sbD	AG	1100.	760.	1153.	636.	1330	2.7	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1330	2.7	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1330	2.7	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1330	2.7	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	2005	2.7	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	2005	2.7	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	1760	2.7	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
		120	74	2.0	1760	29.1	1674	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	245	2.7	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
		120	102	2.0	245	29.1	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2683	2.7	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2683	2.7	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2683	2.7	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 HighLRT2030AM  
 DATE: 12/19/2007 TIME: 09:48:21.49

RUN: PurpleLine S9 HighLRT2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	625.	2.7	.0	56.0	
2. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	625.	2.7	.0	56.0	
3. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	625.	2.7	.0	56.0	
4. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	1525.	2.7	.0	56.0	
5. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	1525.	2.7	.0	56.0	
6. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	1495.	2.7	.0	56.0	
7. 0	193sbTRq	1023.0	1026.0	989.4	1208.1	*	185.	350. AG	133.	100.0	.0	36.0	.74 9.4
8. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	30.	2.7	.0	56.0	
9. 0	193sbLq	1044.0	1032.0	1041.8	1043.1	*	11.	349. AG	45.	100.0	.0	12.0	.04 .6
10. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	1865.	2.7	.0	44.0	
11. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	1865.	2.7	.0	44.0	
12. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	1865.	2.7	.0	44.0	
13. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2180.	2.7	.0	44.0	
14. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2180.	2.7	.0	44.0	
15. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	1945.	2.7	.0	44.0	
16. 0	230wbTRq	1129.0	997.0	5308.0	1162.0	*	4182.	88. AG	95.	100.0	.0	24.0	1.60 212.5
17. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	235.	2.7	.0	32.0	
18. 0	230wbLq	1132.0	984.0	1476.4	993.8	*	345.	88. AG	66.	100.0	.0	12.0	1.06 17.5
19. 0	193nbAP	1623.0	20.0	1546.0	163.0	*	162.	332. AG	793.	2.7	.0	56.0	
20. 0	193nbAP	1546.0	163.0	1360.0	444.0	*	337.	326. AG	793.	2.7	.0	56.0	
21. 0	193nbTR	1359.0	444.0	1250.0	622.0	*	209.	329. AG	580.	2.7	.0	56.0	
22. 0	193nbTR	1250.0	622.0	1195.0	729.0	*	120.	333. AG	580.	2.7	.0	56.0	
23. 0	193nbTR	1195.0	729.0	1080.0	1009.0	*	303.	338. AG	580.	2.7	.0	56.0	
24. 0	193nbTRQ	1121.0	910.0	1146.2	848.5	*	66.	158. AG	123.	100.0	.0	36.0	.26 3.4
25. 0	193nbL	1336.0	441.0	1246.0	585.0	*	170.	328. AG	213.	2.7	.0	32.0	
26. 0	193nbL	1246.0	585.0	1174.0	719.0	*	152.	332. AG	213.	2.7	.0	32.0	
27. 0	193nbL	1174.0	719.0	1073.0	970.0	*	271.	338. AG	213.	2.7	.0	32.0	
28. 0	193nbLQ	1100.0	903.0	1128.0	833.9	*	75.	158. AG	42.	100.0	.0	12.0	.28 3.8
29. 0	193sbD	1024.0	971.0	1100.0	760.0	*	224.	160. AG	1330.	2.7	.0	56.0	
30. 0	193sbD	1100.0	760.0	1153.0	636.0	*	135.	157. AG	1330.	2.7	.0	56.0	
31. 0	193sbD	1153.0	636.0	1241.0	492.0	*	169.	149. AG	1330.	2.7	.0	56.0	
32. 0	193sbD	1241.0	492.0	1482.0	130.0	*	435.	146. AG	1330.	2.7	.0	56.0	
33. 0	193sbD	1482.0	130.0	1539.0	19.0	*	125.	153. AG	1330.	2.7	.0	56.0	
34. 0	320ebAP	15.0	586.0	227.0	645.0	*	220.	74. AG	2005.	2.7	.0	44.0	
35. 0	320ebAP	227.0	645.0	656.0	793.0	*	454.	71. AG	2005.	2.7	.0	44.0	
36. 0	320ebTR	655.0	793.0	1087.0	947.0	*	459.	70. AG	1760.	2.7	.0	44.0	
37. 0	320ebTRQ	1008.0	919.0	-2230.8	-229.6	*	3436.	250. AG	96.	100.0	.0	24.0	1.50 174.6
38. 0	320ebL	644.0	808.0	1071.0	958.0	*	453.	71. AG	245.	2.7	.0	32.0	
39. 0	320ebLQ	1004.0	934.0	434.2	734.6	*	604.	251. AG	66.	100.0	.0	12.0	1.19 30.7
40. 0	320wbD	1055.0	999.0	551.0	821.0	*	535.	251. AG	2683.	2.7	.0	44.0	
41. 0	320wbD	551.0	821.0	230.0	708.0	*	340.	251. AG	2683.	2.7	.0	44.0	
42. 0	320wbD	230.0	708.0	14.0	651.0	*	223.	255. AG	2683.	2.7	.0	44.0	

JOB: PurpleLine S9 HighLRT2030AM  
 DATE: 12/19/2007 TIME: 09:48:21.49

RUN: PurpleLine S9 HighLRT2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. 0	193sbTRq	120	68	2.0	1495	1673	29.10	1	3
9. 0	193sbLq	120	69	2.0	30	1770	29.10	1	3
16. 0	230wbTRq	120	73	2.0	1945	1692	29.10	1	3
18. 0	230wbLq	120	101	2.0	235	1770	29.10	1	3
24. 0	193nbTRQ	120	63	2.0	580	1669	29.10	1	3
28. 0	193nbLQ	120	64	2.0	213	1770	29.10	1	3
37. 0	320ebTRQ	120	74	2.0	1760	1674	29.10	1	3
39. 0	320ebLQ	120	102	2.0	245	1770	29.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*

13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 HighLRT2030AM

RUN: PurpleLine S9 HighLRT2030AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
5.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.0	.0
10.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.0	.0
15.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.0	.0
20.	*	.0	.1	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.1	.2	.6	.4	.1	.0
25.	*	.1	.1	.2	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
30.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.2	.2	.6	.4	.1	.0
35.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1
40.	*	.1	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.1
45.	*	.1	.1	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1	.5	.4	.1	.2
50.	*	.1	.1	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.2	.5	.3	.2	.2
55.	*	.1	.1	.3	.7	.6	.6	.5	.0	.0	.0	.0	.0	.0	.1	.2	.5	.3	.2	.2
60.	*	.1	.1	.3	.6	.6	.6	.5	.1	.1	.0	.0	.0	.0	.1	.2	.5	.3	.2	.3
65.	*	.1	.1	.3	.6	.6	.6	.5	.2	.2	.0	.0	.0	.0	.1	.2	.5	.3	.3	.3
70.	*	.1	.1	.3	.6	.7	.7	.6	.2	.2	.2	.0	.0	.0	.1	.3	.5	.3	.4	.4
75.	*	.1	.1	.2	.6	.7	.6	.6	.4	.4	.4	.1	.0	.0	.1	.3	.5	.3	.4	.4
80.	*	.1	.1	.1	.6	.7	.5	.5	.5	.5	.5	.1	.0	.0	.1	.4	.5	.5	.4	.4
85.	*	.0	.1	.1	.4	.5	.5	.5	.7	.7	.7	.3	.1	.0	.1	.4	.6	.8	.5	.5
90.	*	.0	.0	.1	.3	.4	.4	.4	.8	.8	.9	.4	.1	.1	.0	.1	.5	.6	.8	.5
95.	*	.0	.0	.0	.2	.2	.2	.2	.9	.9	.9	.4	.1	.1	.1	.2	.5	.6	.8	.6
100.	*	.0	.0	.0	.0	.2	.2	.2	.9	1.0	1.0	.6	.1	.1	.1	.2	.5	.7	.7	.5
105.	*	.0	.0	.0	.0	.1	.1	.1	.9	1.0	.9	.6	.2	.1	.1	.2	.6	.7	.6	.6
110.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.2	.1	.1	.2	.6	.7	.5	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.2	.1	.1	.2	.6	.7	.3	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.1	.1	.1	.2	.6	.7	.3	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.1	.1	.1	.2	.6	.7	.3	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.8	.7	.4	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.7	.6	.4	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.1	.3	.7	.6	.4	.5
145.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.1	.1	.0	.3	.7	.6	.4	.5
150.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.4	.1	.1	.0	.4	.7	.6	.4	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.4	.1	.0	.0	.4	.7	.6	.4	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.3	.0	.0	.0	.4	.6	.5	.5	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.3	.0	.0	.0	.4	.5	.4	.4	.5
170.	*	.0	.1	.0	.0	.0	.0	.0	.7	.7	.7	.3	.1	.1	.0	.3	.3	.3	.5	.5
175.	*	.0	.1	.0	.1	.0	.0	.0	.7	.7	.7	.4	.1	.1	.1	.3	.4	.3	.5	.5
180.	*	.0	.1	.0	.1	.0	.0	.0	.7	.7	.7	.3	.1	.2	.1	.2	.3	.4	.5	.5
185.	*	.0	.1	.1	.1	.0	.0	.0	.7	.7	.7	.3	.1	.2	.1	.1	.3	.2	.5	.5
190.	*	.0	.1	.1	.2	.0	.0	.0	.7	.7	.7	.2	.2	.3	.2	.0	.2	.2	.5	.5
195.	*	.0	.0	.1	.2	.0	.0	.0	.7	.7	.7	.2	.4	.4	.2	.0	.2	.2	.5	.6
200.	*	.0	.0	.1	.2	.0	.0	.0	.7	.7	.7	.2	.4	.5	.3	.0	.2	.2	.5	.6
205.	*	.0	.0	.1	.3	.0	.0	.0	.7	.7	.7	.2	.5	.6	.3	.1	.2	.2	.5	.6

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JOB: PurpleLine S9 HighLRT2030AM

RUN: PurpleLine S9 HighLRT2030AM

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## WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.0	.1	.3	.0	.0	.0	.7	.7	.8	.2	.6	.6	.3	.1	.2	.2	.5	.6
215.	*	.1	.0	.0	.3	.0	.0	.0	.7	.7	.8	.4	.6	.6	.3	.1	.2	.2	.5	.6
220.	*	.1	.0	.0	.3	.0	.0	.0	.7	.8	.8	.4	.6	.6	.2	.1	.2	.2	.5	.7
225.	*	.0	.0	.0	.3	.0	.0	.0	.7	.8	.8	.4	.6	.5	.3	.1	.1	.2	.6	.7
230.	*	.0	.0	.0	.3	.1	.0	.0	.8	.9	.7	.4	.6	.4	.3	.1	.1	.2	.7	.7
235.	*	.1	.0	.0	.2	.1	.0	.0	.9	.9	.8	.5	.6	.3	.3	.1	.1	.2	.6	.8
240.	*	.1	.1	.0	.3	.2	.0	.0	1.0	.9	.9	.6	.5	.3	.3	.1	.1	.1	.5	.6
245.	*	.1	.1	.1	.3	.2	.1	.1	1.0	.9	.9	.5	.5	.3	.1	.0	.1	.1	.4	.6
250.	*	.1	.1	.2	.5	.2	.1	.2	1.1	1.1	1.1	.5	.5	.1	.1	.0	.0	.1	.3	.4
255.	*	.0	.1	.1	.6	.4	.2	.2	1.0	1.0	.9	.4	.4	.0	.2	.0	.0	.0	.2	.3
260.	*	.1	.1	.1	.6	.5	.2	.2	1.0	.9	.6	.4	.4	.0	.2	.0	.0	.0	.1	.3



265.	*	.1	.1	.2	.6	.4	.3	.2	.8	.7	.6	.3	.4	.0	.2	.0	.0	.0	.0	.1	.1
270.	*	.1	.1	.2	.6	.4	.4	.5	.6	.4	.4	.2	.4	.0	.2	.0	.0	.0	.0	.1	.1
275.	*	.1	.1	.3	.5	.4	.5	.4	.4	.4	.3	.3	.4	.1	.2	.0	.0	.0	.0	.1	.1
280.	*	.2	.1	.5	.4	.3	.5	.5	.2	.4	.3	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0
285.	*	.2	.2	.6	.3	.5	.5	.6	.2	.2	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0
290.	*	.2	.2	.6	.3	.5	.5	.7	.1	.1	.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0
295.	*	.2	.2	.6	.2	.6	.6	.6	.0	.1	.1	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
300.	*	.1	.2	.3	.3	.6	.7	.6	.0	.0	.1	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.4	.3	.6	.6	.6	.0	.0	.1	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0
310.	*	.0	.1	.3	.3	.6	.6	.6	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
315.	*	.0	.2	.3	.4	.6	.7	.6	.0	.0	.0	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
320.	*	.0	.2	.4	.3	.5	.6	.6	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
325.	*	.0	.2	.4	.3	.5	.6	.6	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0
330.	*	.0	.2	.3	.3	.5	.5	.6	.0	.0	.0	.1	.1	.1	.2	.0	.0	.0	.0	.0	.0
335.	*	.0	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0
340.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.2	.0	.0	.0
345.	*	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.0	.0	.0
350.	*	.0	.0	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.0
355.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.2	.0	.0
360.	*	.0	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.1	.1	.2	.3	.3	.3	.0	.0
MAX	*	.2	.2	.6	.7	.7	.7	.7	1.1	1.1	1.1	.6	.6	.6	.3	.4	.8	.7	.8	.7	.8
DEGR.	*	280	285	285	55	70	70	290	250	250	250	100	210	205	200	150	130	100	90	220	90

1

JOB: PurpleLine S9 HighLRT2030AM

RUN: PurpleLine S9 HighLRT2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.7	.7	.5	.2	.1	.1	
5.	.0	.7	.7	.6	.2	.1	.1	
10.	.0	.7	.7	.6	.1	.3	.1	
15.	.0	.7	.7	.6	.1	.3	.1	
20.	.0	.7	.8	.4	.1	.3	.1	
25.	.0	.7	.8	.2	.1	.4	.1	
30.	.0	.7	.8	.2	.3	.4	.1	
35.	.0	.8	.8	.2	.3	.3	.2	
40.	.0	.8	.8	.4	.3	.2	.2	
45.	.1	.7	.7	.5	.3	.2	.2	
50.	.2	.7	.7	.5	.4	.2	.2	
55.	.2	.7	.7	.6	.5	.4	.2	
60.	.3	.7	.7	.5	.6	.4	.2	
65.	.2	.7	.6	.5	.4	.5	.2	
70.	.4	.6	.5	.5	.6	.5	.2	
75.	.4	.5	.3	.4	.5	.3	.2	
80.	.6	.3	.3	.3	.5	.2	.2	
85.	.8	.3	.3	.3	.4	.2	.2	
90.	.8	.2	.2	.1	.3	.2	.1	
95.	.7	.0	.0	.0	.3	.1	.1	
100.	.6	.0	.0	.0	.2	.1	.1	
105.	.6	.0	.0	.0	.2	.1	.1	
110.	.6	.0	.0	.0	.1	.1	.1	
115.	.6	.0	.0	.0	.1	.1	.1	
120.	.6	.0	.0	.0	.1	.1	.1	
125.	.6	.0	.0	.0	.1	.1	.1	
130.	.5	.0	.0	.0	.1	.1	.1	
135.	.5	.0	.0	.0	.1	.2	.1	
140.	.5	.0	.0	.0	.1	.2	.1	
145.	.5	.0	.0	.0	.1	.2	.1	
150.	.5	.0	.0	.0	.0	.2	.1	
155.	.5	.0	.0	.0	.0	.2	.1	
160.	.6	.0	.0	.0	.0	.1	.1	
165.	.5	.0	.0	.0	.0	.0	.1	
170.	.5	.0	.0	.0	.0	.0	.0	
175.	.5	.0	.0	.0	.0	.0	.0	
180.	.5	.0	.0	.0	.0	.0	.0	
185.	.5	.0	.0	.0	.0	.0	.0	
190.	.5	.0	.0	.0	.0	.0	.0	
195.	.6	.0	.0	.0	.0	.0	.0	
200.	.6	.0	.0	.0	.0	.0	.0	
205.	.6	.0	.0	.0	.0	.0	.0	

1

JOB: PurpleLine S9 HighLRT2030AM

RUN: PurpleLine S9 HighLRT2030AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.5	.0	.0	.0	.0	.0	.0	

215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.7	.0	.0	.0	.0	.0	.0	.0
225.	*	.7	.0	.0	.0	.0	.0	.0	.0
230.	*	.7	.1	.1	.1	.0	.0	.0	.0
235.	*	.8	.1	.2	.2	.1	.0	.0	.0
240.	*	.8	.4	.3	.3	.1	.0	.0	.0
245.	*	.7	.5	.5	.5	.3	.1	.0	.0
250.	*	.4	.6	.7	.6	.4	.1	.1	.0
255.	*	.4	.8	.8	.7	.5	.1	.1	.1
260.	*	.2	.9	.9	.8	.6	.1	.1	.1
265.	*	.1	.9	.8	.8	.6	.1	.1	.1
270.	*	.1	1.0	.8	.8	.7	.1	.1	.1
275.	*	.0	.9	.8	.8	.7	.4	.1	.1
280.	*	.0	.8	.8	.8	.7	.4	.1	.1
285.	*	.0	.7	.7	.7	.5	.4	.1	.1
290.	*	.0	.7	.7	.7	.5	.4	.1	.1
295.	*	.0	.7	.7	.7	.5	.4	.2	.1
300.	*	.0	.7	.7	.7	.5	.4	.2	.1
305.	*	.0	.7	.7	.7	.5	.4	.2	.1
310.	*	.0	.7	.7	.7	.5	.3	.2	.1
315.	*	.0	.7	.7	.7	.5	.3	.2	.1
320.	*	.0	.6	.6	.6	.5	.3	.2	.1
325.	*	.0	.6	.7	.7	.5	.3	.2	.1
330.	*	.0	.7	.7	.7	.5	.4	.2	.1
335.	*	.0	.7	.7	.7	.5	.4	.1	.1
340.	*	.0	.7	.7	.7	.5	.4	.1	.2
345.	*	.0	.7	.7	.7	.6	.4	.2	.2
350.	*	.0	.7	.7	.7	.7	.4	.2	.2
355.	*	.0	.7	.7	.7	.5	.3	.2	.1
360.	*	.0	.7	.7	.7	.5	.2	.1	.1
-----									
MAX	*	.8	1.0	.9	.8	.7	.5	.4	.2
DEGR.	*	235	270	260	5	270	65	25	35

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC8 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .

PurpleLine	S9 HighLRT2030PM				60.0321.0.0000.000280.30480000			1	1			
SE MID S		1256.		672.		5.0						
SE 164 S		1220.		746.		5.0						
SE 82 S		1189.		822.		5.0						
SE CNR		1162.		921.		5.0						
SE 82 E		1254.		939.		5.0						
SE 164 E		1335.		942.		5.0						
SE MID E		1417.		946.		5.0						
NE MID E		1398.		1028.		5.0						
NE 164 E		1316.		1025.		5.0						
NE 82 E		1235.		1022.		5.0						
NE CNR		1120.		1053.		5.0						
NE 82 N		1079.		1172.		5.0						
NE 164 N		1064.		1255.		5.0						
NE MID N		1060.		1337.		5.0						
NW MID N		953.		1280.		5.0						
NW 164 N		963.		1200.		5.0						
NW 82 N		977.		1118.		5.0						
NW CNR		974.		1010.		5.0						
NW 82 W		877.		962.		5.0						
NW 164 W		801.		934.		5.0						
NW MID W		723.		907.		5.0						
SW MID W		768.		808.		5.0						
SW 164 W		845.		836.		5.0						
SW 82 W		922.		863.		5.0						
SW CNR		1005.		876.		5.0						
SW 82 S		1051.		806.		5.0						
SW 164 S		1082.		729.		5.0						
SW MID S		1116.		655.		5.0						
PurpleLine	S9 HighLRT2030PM			42	1	0						
0	1	193nbD	AG	1085.	969.	1036.	1255.	1310	2.7	0	56	30.
0	1	193nbD	AG	1033.	1254.	1015.	1684.	1310	2.7	0	56	30.
0	1	193nbD	AG	1015.	1684.	1007.	1970.	1310	2.7	0	56	30.
0	1	193sbAP	AG	953.	1972.	973.	1408.	870	2.7	0	56	30.
0	1	193sbAP	AG	973.	1408.	986.	1249.	870	2.7	0	56	30.
0	2	193sbTR	AG	983.	1246.	1032.	974.	795	2.7	0	56	30.
0	1	193sbTRq	AG	1023.	1026.	983.	1243.	0.	36	3		
0	1	120	88	2.0	795	29.1	1701	1	3			
0	2	193sbL	AG	1003.	1238.	1054.	980.	75	2.7	0	56	30.
0	1	193sbLq	AG	1044.	1032.	1005.	1229.	0.	12	1		
0	1	120	85	2.0	75	29.1	1770	1	3			
0	1	320ebD	AG	1055.	945.	1146.	959.	2455	2.7	0	44	30.
0	1	320ebD	AG	1146.	959.	2056.	1001.	2455	2.7	0	44	30.
0	1	320ebD	AG	2056.	1001.	2211.	1019.	2455	2.7	0	44	30.
0	1	320wbA	AG	2213.	1053.	2060.	1035.	2510	2.7	0	44	30.
0	1	320wbA	AG	2060.	1035.	1283.	1002.	2510	2.7	0	44	30.
0	2	320wbTR	AG	1283.	1003.	1068.	995.	2205	2.7	0	44	30.
0	1	230wbTRq	AG	1129.	997.	1281.	1003.	0.	24	2		
0	1	120	65	2.0	2205	29.1	1688	1	3			
0	2	320wbL	AG	1278.	988.	1070.	982.	305	2.7	0	32	30.
0	1	230wbLq	AG	1132.	984.	1272.	988.	0.	12	1		
0	1	120	97	2.0	305	29.1	1770	1	3			

0		193sbD	AG	1100.	760.	1153.	636.	1140	2.7	0	56	30.
0	1	193sbD	AG	1153.	636.	1241.	492.	1140	2.7	0	56	30.
0	1	193sbD	AG	1241.	492.	1482.	130.	1140	2.7	0	56	30.
0	1	193sbD	AG	1482.	130.	1539.	19.	1140	2.7	0	56	30.
0	1	320ebAP	AG	15.	586.	227.	645.	2640	2.7	0	44	30.
0	1	320ebAP	AG	227.	645.	656.	793.	2640	2.7	0	44	30.
0	1	320ebTR	AG	655.	793.	1087.	947.	2360	2.7	0	44	30.
0	2	320ebTRQ	AG	1008.	919.	664.	797.	0.	24	2		
		120	65	2.0	2360	29.1	1668	1	3			
0	1	320ebL	AG	644.	808.	1071.	958.	280	2.7	0	32	30.
0	2	320ebLQ	AG	1004.	934.	664.	815.	0.	12	1		
		120	97	2.0	280	29.1	1770	1	3			
0	1	320wbD	AG	1055.	999.	551.	821.	2700	2.7	0	44	30.
0	1	320wbD	AG	551.	821.	230.	708.	2700	2.7	0	44	30.
0	1	320wbD	AG	230.	708.	14.	651.	2700	2.7	0	44	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S9 HighLRT2030PM  
 DATE: 12/19/2007 TIME: 09:50:39.85

RUN: PurpleLine S9 HighLRT2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. 0	193nbD	1085.0	969.0	1036.0	1255.0	*	290.	350. AG	1310.	2.7	.0	56.0		
2. 0	193nbD	1033.0	1254.0	1015.0	1684.0	*	430.	358. AG	1310.	2.7	.0	56.0		
3. 0	193nbD	1015.0	1684.0	1007.0	1970.0	*	286.	358. AG	1310.	2.7	.0	56.0		
4. 0	193sbAP	953.0	1972.0	973.0	1408.0	*	564.	178. AG	870.	2.7	.0	56.0		
5. 0	193sbAP	973.0	1408.0	986.0	1249.0	*	160.	175. AG	870.	2.7	.0	56.0		
6. 0	193sbTR	983.0	1246.0	1032.0	974.0	*	276.	170. AG	795.	2.7	.0	56.0		
7. 0	193sbTRq	1023.0	1026.0	999.9	1151.4	*	128.	350. AG	172.	100.0	.0	36.0	.67	6.5
8. 0	193sbL	1003.0	1238.0	1054.0	980.0	*	263.	169. AG	75.	2.7	.0	56.0		
9. 0	193sbLq	1044.0	1032.0	1037.2	1066.2	*	35.	349. AG	55.	100.0	.0	12.0	.16	1.8
10. 0	320ebD	1055.0	945.0	1146.0	959.0	*	92.	81. AG	2455.	2.7	.0	44.0		
11. 0	320ebD	1146.0	959.0	2056.0	1001.0	*	911.	87. AG	2455.	2.7	.0	44.0		
12. 0	320ebD	2056.0	1001.0	2211.0	1019.0	*	156.	83. AG	2455.	2.7	.0	44.0		
13. 0	320wbA	2213.0	1053.0	2060.0	1035.0	*	154.	263. AG	2510.	2.7	.0	44.0		
14. 0	320wbA	2060.0	1035.0	1283.0	1002.0	*	778.	268. AG	2510.	2.7	.0	44.0		
15. 0	320wbTR	1283.0	1003.0	1068.0	995.0	*	215.	268. AG	2205.	2.7	.0	44.0		
16. 0	230wbTRq	1129.0	997.0	5506.7	1169.8	*	4381.	88. AG	85.	100.0	.0	24.0	1.54	222.6
17. 0	320wbL	1278.0	988.0	1070.0	982.0	*	208.	268. AG	305.	2.7	.0	32.0		
18. 0	230wbLq	1132.0	984.0	1628.3	998.2	*	497.	88. AG	63.	100.0	.0	12.0	1.09	25.2
19. 0	193nbAP	1623.0	20.0	1546.0	163.0	*	162.	332. AG	1585.	2.7	.0	56.0		
20. 0	193nbAP	1546.0	163.0	1360.0	444.0	*	337.	326. AG	1585.	2.7	.0	56.0		
21. 0	193nbTR	1359.0	444.0	1250.0	622.0	*	209.	329. AG	1235.	2.7	.0	56.0		
22. 0	193nbTR	1250.0	622.0	1195.0	729.0	*	120.	333. AG	1235.	2.7	.0	56.0		
23. 0	193nbTR	1195.0	729.0	1080.0	1009.0	*	303.	338. AG	1235.	2.7	.0	56.0		
24. 0	193nbTRQ	1121.0	910.0	1186.5	749.8	*	173.	158. AG	150.	100.0	.0	36.0	.74	8.8
25. 0	193nbL	1336.0	441.0	1246.0	585.0	*	170.	328. AG	350.	2.7	.0	32.0		
26. 0	193nbL	1246.0	585.0	1174.0	719.0	*	152.	332. AG	350.	2.7	.0	32.0		
27. 0	193nbL	1174.0	719.0	1073.0	970.0	*	271.	338. AG	350.	2.7	.0	32.0		
28. 0	193nbLQ	1100.0	903.0	1151.0	777.0	*	136.	158. AG	46.	100.0	.0	12.0	.53	6.9
29. 0	193sbD	1024.0	971.0	1100.0	760.0	*	224.	160. AG	1140.	2.7	.0	56.0		
30. 0	193sbD	1100.0	760.0	1153.0	636.0	*	135.	157. AG	1140.	2.7	.0	56.0		
31. 0	193sbD	1153.0	636.0	1241.0	492.0	*	169.	149. AG	1140.	2.7	.0	56.0		
32. 0	193sbD	1241.0	492.0	1482.0	130.0	*	435.	146. AG	1140.	2.7	.0	56.0		
33. 0	193sbD	1482.0	130.0	1539.0	19.0	*	125.	153. AG	1140.	2.7	.0	56.0		
34. 0	320ebAP	15.0	586.0	227.0	645.0	*	220.	74. AG	2640.	2.7	.0	44.0		
35. 0	320ebAP	227.0	645.0	656.0	793.0	*	454.	71. AG	2640.	2.7	.0	44.0		
36. 0	320ebTR	655.0	793.0	1087.0	947.0	*	459.	70. AG	2360.	2.7	.0	44.0		
37. 0	320ebTRQ	1008.0	919.0	-3969.0	-846.1	*	5281.	250. AG	85.	100.0	.0	24.0	1.67	268.3
38. 0	320ebL	644.0	808.0	1071.0	958.0	*	453.	71. AG	280.	2.7	.0	32.0		
39. 0	320ebLQ	1004.0	934.0	787.0	858.0	*	230.	251. AG	63.	100.0	.0	12.0	1.00	11.7
40. 0	320wbD	1055.0	999.0	551.0	821.0	*	535.	251. AG	2700.	2.7	.0	44.0		
41. 0	320wbD	551.0	821.0	230.0	708.0	*	340.	251. AG	2700.	2.7	.0	44.0		
42. 0	320wbD	230.0	708.0	14.0	651.0	*	223.	255. AG	2700.	2.7	.0	44.0		

JOB: PurpleLine S9 HighLRT2030PM  
 DATE: 12/19/2007 TIME: 09:50:39.85

RUN: PurpleLine S9 HighLRT2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. 0	193sbTRq	120	88	2.0	795	1701	29.10	1	3
9. 0	193sbLq	120	85	2.0	75	1770	29.10	1	3
16. 0	230wbTRq	120	65	2.0	2205	1688	29.10	1	3
18. 0	230wbLq	120	97	2.0	305	1770	29.10	1	3
24. 0	193nbTRQ	120	77	2.0	1235	1707	29.10	1	3
28. 0	193nbLQ	120	71	2.0	350	1770	29.10	1	3
37. 0	320ebTRQ	120	65	2.0	2360	1668	29.10	1	3
39. 0	320ebLQ	120	97	2.0	280	1770	29.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1256.0	672.0	5.0	*
2. SE 164 S	*	1220.0	746.0	5.0	*
3. SE 82 S	*	1189.0	822.0	5.0	*
4. SE CNR	*	1162.0	921.0	5.0	*
5. SE 82 E	*	1254.0	939.0	5.0	*
6. SE 164 E	*	1335.0	942.0	5.0	*
7. SE MID E	*	1417.0	946.0	5.0	*
8. NE MID E	*	1398.0	1028.0	5.0	*
9. NE 164 E	*	1316.0	1025.0	5.0	*
10. NE 82 E	*	1235.0	1022.0	5.0	*
11. NE CNR	*	1120.0	1053.0	5.0	*
12. NE 82 N	*	1079.0	1172.0	5.0	*

13. NE 164 N	*	1064.0	1255.0	5.0	*
14. NE MID N	*	1060.0	1337.0	5.0	*
15. NW MID N	*	953.0	1280.0	5.0	*
16. NW 164 N	*	963.0	1200.0	5.0	*
17. NW 82 N	*	977.0	1118.0	5.0	*
18. NW CNR	*	974.0	1010.0	5.0	*
19. NW 82 W	*	877.0	962.0	5.0	*
20. NW 164 W	*	801.0	934.0	5.0	*
21. NW MID W	*	723.0	907.0	5.0	*
22. SW MID W	*	768.0	808.0	5.0	*
23. SW 164 W	*	845.0	836.0	5.0	*
24. SW 82 W	*	922.0	863.0	5.0	*
25. SW CNR	*	1005.0	876.0	5.0	*
26. SW 82 S	*	1051.0	806.0	5.0	*
27. SW 164 S	*	1082.0	729.0	5.0	*
28. SW MID S	*	1116.0	655.0	5.0	*

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JOB: PurpleLine S9 HighLRT2030PM

RUN: PurpleLine S9 HighLRT2030PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.0	.2	.1	.0	.0
5.	*	.0	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0
10.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.2	.2	.3	.3	.0	.0
15.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.4	.0	.0
20.	*	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.0	.0
25.	*	.0	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.3	.4	.1	.0
30.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.4	.6	.1	.0
35.	*	.0	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.5	.6	.1	.0
40.	*	.0	.3	.3	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.2	.2	.5	.5	.1	.1
45.	*	.0	.3	.3	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.1	.2
50.	*	.1	.3	.3	.5	.7	.8	.8	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
55.	*	.1	.3	.3	.6	.7	.8	.8	.0	.0	.0	.0	.0	.0	.2	.1	.6	.5	.2	.2
60.	*	.1	.3	.3	.6	.8	.8	.8	.1	.1	.0	.0	.0	.0	.2	.1	.7	.5	.2	.3
65.	*	.1	.2	.3	.6	.8	.8	.8	.1	.1	.0	.0	.0	.0	.2	.1	.7	.4	.3	.3
70.	*	.1	.1	.3	.6	.8	.8	.8	.2	.2	.3	.0	.0	.0	.2	.2	.7	.4	.4	.5
75.	*	.1	.1	.3	.6	.9	.8	.7	.3	.3	.3	.0	.0	.0	.2	.2	.7	.5	.4	.4
80.	*	.0	.1	.2	.6	.7	.7	.7	.4	.5	.6	.1	.0	.0	.2	.2	.7	.7	.5	.5
85.	*	.0	.0	.1	.5	.7	.7	.6	.7	.8	.8	.2	.0	.0	.2	.2	.8	.9	.5	.7
90.	*	.0	.0	.0	.3	.5	.4	.4	1.0	1.0	.9	.4	.1	.0	.2	.3	.8	.8	.6	.8
95.	*	.0	.0	.0	.2	.4	.3	.3	1.0	1.0	.9	.5	.1	.1	.0	.2	.3	.9	.7	.6
100.	*	.0	.0	.0	.1	.1	.1	.1	1.1	1.1	.6	.2	.1	.1	.2	.3	1.0	.6	.7	.7
105.	*	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	.6	.3	.1	.1	.2	.3	1.0	.6	.6	.7
110.	*	.0	.0	.0	.0	.1	.1	.1	1.1	1.1	.6	.3	.1	.1	.2	.4	.9	.6	.7	.7
115.	*	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.6	.3	.2	.1	.2	.4	1.0	.5	.7	.6
120.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.3	.1	.1	.2	.5	1.0	.6	.7	.6
125.	*	.0	.0	.0	.0	.0	.0	.9	.9	.9	.5	.2	.1	.0	.3	.4	1.0	.6	.7	.6
130.	*	.0	.0	.0	.0	.0	.0	.9	.9	.8	.5	.2	.1	.0	.2	.4	.9	.6	.5	.5
135.	*	.0	.0	.0	.0	.0	.0	.8	.8	.7	.5	.2	.1	.0	.1	.4	.8	.5	.5	.5
140.	*	.0	.0	.0	.0	.0	.0	.8	.8	.7	.4	.2	.1	.0	.2	.4	.7	.5	.5	.5
145.	*	.1	.0	.0	.0	.0	.0	.7	.7	.7	.4	.2	.0	.0	.3	.5	.7	.5	.5	.5
150.	*	.1	.1	.0	.1	.0	.0	.7	.7	.7	.4	.2	.0	.0	.3	.5	.7	.5	.5	.5
155.	*	.2	.1	.2	.1	.0	.0	.7	.7	.7	.5	.1	.1	.0	.3	.5	.7	.4	.5	.5
160.	*	.2	.1	.2	.1	.0	.0	.7	.7	.7	.5	.3	.1	.0	.2	.4	.6	.5	.5	.6
165.	*	.2	.1	.3	.3	.0	.0	.7	.7	.7	.4	.2	.1	.0	.2	.4	.5	.4	.5	.6
170.	*	.2	.1	.3	.3	.0	.0	.7	.7	.7	.5	.2	.2	.1	.2	.3	.5	.4	.5	.5
175.	*	.2	.1	.4	.4	.0	.0	.7	.7	.7	.5	.2	.2	.3	.1	.4	.3	.5	.5	.5
180.	*	.2	.1	.4	.4	.0	.0	.7	.7	.7	.4	.1	.3	.3	.1	.2	.3	.5	.5	.5
185.	*	.2	.1	.5	.5	.0	.0	.7	.7	.8	.4	.2	.3	.3	.1	.2	.3	.5	.5	.4
190.	*	.1	.1	.5	.5	.0	.0	.7	.7	.8	.4	.3	.3	.3	.0	.1	.3	.5	.5	.4
195.	*	.1	.1	.5	.5	.1	.0	.7	.7	.8	.4	.4	.4	.3	.0	.1	.3	.5	.6	.5
200.	*	.1	.1	.5	.6	.1	.0	.7	.7	.8	.5	.5	.5	.2	.0	.2	.3	.5	.6	.5
205.	*	.1	.1	.5	.6	.1	.0	.7	.8	.8	.5	.5	.4	.2	.0	.2	.3	.5	.6	.5

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JOB: PurpleLine S9 HighLRT2030PM

RUN: PurpleLine S9 HighLRT2030PM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.1	.1	.5	.6	.1	.0	.0	.7	.8	.8	.5	.6	.4	.1	.0	.2	.3	.5	.6	.5
215.	*	.1	.1	.5	.6	.1	.1	.0	.7	.8	.8	.4	.6	.4	.1	.0	.2	.3	.5	.6	.5
220.	*	.1	.1	.5	.5	.2	.1	.0	.9	.9	.8	.5	.5	.4	.1	.1	.2	.2	.5	.5	.5
225.	*	.1	.1	.5	.5	.2	.1	.0	.9	.9	.8	.5	.5	.3	.2	.1	.1	.2	.6	.5	.6
230.	*	.1	.1	.5	.4	.1	.1	.0	1.0	.9	.9	.5	.5	.2	.2	.1	.1	.2	.5	.5	.6
235.	*	.1	.2	.5	.4	.1	.1	.1	1.0	.9	1.1	.5	.5	.2	.2	.1	.1	.2	.5	.8	.7
240.	*	.1	.1	.6	.5	.2	.1	.1	1.0	1.0	1.1	.5	.4	.2	.2	.1	.1	.1	.4	.7	.6
245.	*	.1	.1	.6	.5	.2	.2	.9	1.1	1.2	.6	.4	.2	.1	.0	.1	.1	.3	.5	.6	.6
250.	*	.1	.1	.7	.5	.3	.3	.3	1.1	1.1	1.1	.5	.4	.1	.1	.0	.0	.1	.3	.4	.6
255.	*	.1	.3	.7	.7	.4	.3	.3	1.0	1.1	.9	.4	.2	.1	.1	.0	.0	.2	.3	.3	.3
260.	*	.2	.3	.7	.6	.5	.4	.3	1.1	.9	.8	.3	.2	.1	.1	.0	.0	.1	.3	.3	.3

265.	*	.2	.3	.7	.6	.5	.5	.3	.8	.8	.6	.4	.2	.2	.1	.0	.0	.0	.0	.1	.1
270.	*	.2	.4	.8	.6	.6	.5	.4	.6	.4	.5	.3	.1	.2	.1	.0	.0	.0	.0	.1	.1
275.	*	.2	.4	.9	.6	.5	.4	.6	.4	.4	.4	.3	.1	.1	.1	.0	.0	.0	.0	.1	.1
280.	*	.2	.4	.9	.4	.5	.6	.6	.2	.4	.3	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
285.	*	.2	.5	1.0	.4	.4	.6	.7	.2	.2	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
290.	*	.2	.5	1.0	.4	.6	.7	.7	.1	.1	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
295.	*	.1	.7	.9	.5	.7	.7	.6	.1	.0	.2	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
300.	*	.2	.6	.9	.5	.7	.6	.6	.0	.0	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
305.	*	.2	.5	.9	.6	.7	.6	.6	.0	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0
310.	*	.2	.6	.7	.5	.6	.7	.6	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.6	.6	.5	.5	.6	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
320.	*	.4	.7	.6	.5	.5	.6	.5	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
325.	*	.4	.5	.5	.6	.5	.5	.5	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
330.	*	.4	.5	.5	.5	.5	.5	.5	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0
335.	*	.4	.4	.4	.6	.5	.5	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
340.	*	.2	.3	.2	.5	.5	.5	.5	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0
345.	*	.1	.3	.3	.5	.5	.5	.5	.0	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0
350.	*	.1	.2	.3	.4	.5	.5	.5	.0	.0	.0	.0	.2	.2	.2	.1	.0	.0	.1	.1	.0
355.	*	.0	.0	.3	.4	.5	.5	.5	.0	.0	.0	.0	.2	.1	.1	.1	.0	.1	.1	.0	.0
360.	*	.0	.0	.3	.5	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1	.0	.2	.1	.0	.0
MAX	*	.4	.7	1.0	.7	.9	.8	.8	1.1	1.1	1.2	.6	.6	.5	.3	.3	.5	1.0	.9	.8	.8
DEGR.	*	315	295	285	255	75	50	50	100	250	245	100	210	200	175	125	120	100	85	235	90

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JOB: PurpleLine S9 HighLRT2030PM

RUN: PurpleLine S9 HighLRT2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.5	.6	.6	.5	.3	.2	.2
5.	.0	.5	.6	.7	.5	.3	.2	.2
10.	.0	.5	.6	.7	.6	.1	.2	.4
15.	.0	.5	.7	.7	.7	.2	.2	.4
20.	.0	.6	.7	.8	.6	.2	.5	.3
25.	.0	.7	.8	.8	.3	.2	.5	.3
30.	.0	.8	.9	.9	.3	.2	.4	.2
35.	.0	.8	.9	.9	.5	.3	.4	.2
40.	.0	.9	.9	.9	.5	.4	.5	.2
45.	.1	.8	.9	.8	.4	.4	.5	.2
50.	.1	.8	.8	.7	.5	.5	.5	.1
55.	.2	.8	.8	.5	.6	.5	.5	.2
60.	.3	.8	.6	.6	.7	.6	.5	.2
65.	.3	.7	.7	.5	.7	.6	.5	.2
70.	.3	.7	.6	.5	.6	.6	.3	.2
75.	.4	.5	.5	.7	.6	.5	.3	.2
80.	.6	.4	.5	.4	.5	.5	.3	.1
85.	.9	.4	.4	.4	.4	.4	.2	.1
90.	.8	.2	.3	.3	.4	.3	.1	.1
95.	.7	.0	.1	.1	.3	.3	.1	.1
100.	.6	.0	.1	.1	.3	.3	.1	.1
105.	.6	.0	.0	.1	.3	.2	.1	.1
110.	.6	.0	.0	.1	.3	.2	.1	.1
115.	.6	.0	.0	.1	.2	.2	.1	.2
120.	.6	.0	.0	.0	.2	.2	.1	.2
125.	.5	.0	.0	.0	.2	.1	.1	.2
130.	.4	.0	.0	.0	.2	.1	.1	.2
135.	.4	.0	.0	.0	.2	.1	.1	.2
140.	.4	.0	.0	.0	.1	.2	.1	.2
145.	.4	.0	.0	.0	.0	.2	.1	.2
150.	.4	.0	.0	.0	.0	.2	.1	.1
155.	.4	.0	.0	.0	.0	.1	.1	.1
160.	.5	.0	.0	.0	.0	.0	.1	.0
165.	.4	.0	.0	.0	.0	.0	.0	.0
170.	.4	.0	.0	.0	.0	.0	.0	.0
175.	.4	.0	.0	.0	.0	.0	.0	.0
180.	.4	.0	.0	.0	.0	.0	.0	.0
185.	.4	.0	.0	.0	.0	.0	.0	.0
190.	.4	.0	.0	.0	.0	.0	.0	.0
195.	.5	.0	.0	.0	.0	.0	.0	.0
200.	.5	.0	.0	.0	.0	.0	.0	.0
205.	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S9 HighLRT2030PM

RUN: PurpleLine S9 HighLRT2030PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.6	.0	.0	.0	.0	.0	.0	.0

215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.5	.0	.1	.1	.0	.0	.0	.0
235.	*	.7	.2	.2	.2	.1	.0	.0	.0
240.	*	.7	.4	.3	.3	.1	.0	.0	.0
245.	*	.6	.4	.5	.4	.3	.1	.0	.0
250.	*	.5	.6	.6	.6	.3	.1	.1	.0
255.	*	.4	.7	.7	.7	.3	.1	.1	.1
260.	*	.2	.8	.9	.9	.6	.1	.1	.1
265.	*	.1	.8	.9	.9	.7	.1	.1	.1
270.	*	.1	.9	.8	.9	.6	.2	.1	.1
275.	*	.0	.9	.7	.8	.6	.3	.1	.1
280.	*	.0	.7	.7	.8	.6	.3	.1	.1
285.	*	.0	.7	.7	.8	.6	.3	.1	.1
290.	*	.0	.6	.8	.8	.6	.3	.1	.1
295.	*	.0	.6	.7	.7	.6	.3	.3	.1
300.	*	.0	.6	.7	.7	.6	.3	.3	.1
305.	*	.0	.5	.7	.6	.6	.3	.3	.1
310.	*	.0	.5	.6	.6	.6	.3	.3	.0
315.	*	.0	.5	.6	.6	.6	.3	.3	.0
320.	*	.0	.5	.6	.6	.6	.3	.3	.0
325.	*	.0	.5	.6	.6	.6	.3	.3	.0
330.	*	.0	.5	.6	.6	.6	.3	.1	.1
335.	*	.0	.5	.6	.6	.6	.4	.2	.1
340.	*	.0	.5	.6	.6	.6	.4	.2	.1
345.	*	.0	.5	.6	.6	.6	.4	.2	.1
350.	*	.0	.5	.6	.6	.6	.4	.2	.2
355.	*	.0	.5	.6	.6	.5	.3	.2	.2
360.	*	.0	.5	.6	.6	.5	.3	.2	.2
-----									
MAX	*	.9	.9	.9	.9	.7	.6	.5	.4
DEGR.	*	85	40	30	30	15	60	20	10

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 245 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 100 DEGREES FROM REC8 .



Site 10

MD 193 and MD 650

2015

PurpleLine - S10 Existing AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 Existing AM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 1064 6.0 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	760 6.0 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150		80 2.0 760 65.9 1675 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	240 6.0 0 32 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 12 1
150		120 2.0 240 65.9 1770 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	1056 6.0 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	1056 6.0 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	2136 5.9 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	2136 5.9 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1800 5.9 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150		82 2.0 1800 65.9 1673 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	168 5.9 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150		123 2.0 168 65.9 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	2396 5.9 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1380 5.8 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	872 5.8 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150		109 2.0 872 65.9 872 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	80 5.8 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150		132 2.0 80 65.9 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1104 5.8 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1104 5.8 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1528 5.8 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1144 5.8 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150		101 2.0 1144 65.9 1655 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	168 5.8 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150		124 2.0 168 65.9 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1552 5.8 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1552 5.8 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	64	6.0	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	64	6.0	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	168	5.9	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	168	5.9	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	428	5.8	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	428	5.8	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	428	5.8	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	428	5.8	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	216	5.8	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	216	5.8	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	216	5.8	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 Existing AM  
DATE: 12/20/2007 TIME: 07:54:34.30

RUN: PurpleLine S10 Existing AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1064.	6.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	760.	6.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1332.2	985.9	*	111.	186. AG	283.	100.0	.0	36.0	.34 5.6
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	240.	6.0	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1300.1	943.6	*	167.	185. AG	141.	100.0	.0	12.0	.78 8.5
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1056.	6.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1056.	6.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2136.	5.9	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2136.	5.9	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1800.	5.9	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1344.6	1652.2	*	279.	6. AG	290.	100.0	.0	36.0	.84 14.2
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	168.	5.9	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1348.5	1460.5	*	113.	5. AG	145.	100.0	.0	12.0	.62 5.7
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2396.	5.9	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1380.	5.8	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	872.	5.8	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	545.8	2072.2	*	1007.	318. AG	385.	100.0	.0	36.0	1.35 51.2
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	80.	5.8	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1196.8	1381.3	*	58.	319. AG	156.	100.0	.0	12.0	.48 2.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1104.	5.8	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1104.	5.8	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1528.	5.8	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1144.	5.8	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1600.0	1026.4	*	212.	133. AG	357.	100.0	.0	36.0	.77 10.8
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	168.	5.8	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1510.6	1074.6	*	114.	132. AG	146.	100.0	.0	12.0	.65 5.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1552.	5.8	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1552.	5.8	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	64.	6.0	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	64.	6.0	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	168.	5.9	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	168.	5.9	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	428.	5.8	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	428.	5.8	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	428.	5.8	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	428.	5.8	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	216.	5.8	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	216.	5.8	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	216.	5.8	.0	32.0	

JOB: PurpleLine - S10 Existing AM  
DATE: 12/20/2007 TIME: 07:54:34.30

RUN: PurpleLine S10 Existing AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	80	2.0	760	1675	65.90	1	3
5. 0	650nbLq	150	120	2.0	240	1770	65.90	1	3
11. 0	650sbTq	150	82	2.0	1800	1673	65.90	1	3
13. 0	650sbLq	150	123	2.0	168	1770	65.90	1	3
17. 0	650ebTq	150	109	2.0	872	1770	65.90	1	3
19. 0	650ebLq	150	132	2.0	80	1770	65.90	1	3
24. 0	650wbT	150	101	2.0	1144	1655	65.90	1	3
26. 0	650wbL	150	124	2.0	168	1770	65.90	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 Existing AM

RUN: PurpleLine S10 Existing AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.6	.9	1.2	.5	.9	.8	.5	.0	.0	.1	.4	.6	.6	.4	.4	.3	.4	.2	.0	.0
5.	*	.6	.8	1.0	.5	.9	.8	.5	.0	.0	.0	.2	.4	.5	.4	.5	.4	.5	.3	.0	.0
10.	*	.4	.6	.8	.5	.9	.7	.4	.0	.0	.0	.1	.2	.3	.3	.5	.7	.9	.4	.0	.0
15.	*	.3	.4	.6	.5	.9	.7	.3	.0	.0	.0	.1	.2	.2	.7	.7	1.0	.7	.1	.0	.0
20.	*	.2	.4	.5	.5	.8	.6	.3	.0	.0	.0	.1	.1	.1	.7	.6	1.2	.8	.1	.0	.0
25.	*	.1	.2	.6	.6	.8	.5	.3	.0	.0	.0	.0	.1	.1	.6	.6	1.3	.8	.1	.1	.0
30.	*	.1	.3	.5	.6	.8	.5	.3	.0	.0	.0	.0	.1	.1	.6	.7	1.3	1.0	.1	.1	.0
35.	*	.1	.3	.5	.6	.8	.4	.4	.0	.0	.0	.0	.0	.0	.6	.7	1.4	1.0	.4	.1	.0
40.	*	.1	.3	.5	.7	.8	.4	.4	.0	.0	.0	.0	.0	.0	.6	.6	1.3	1.0	.4	.1	.0
45.	*	.1	.3	.4	.7	.8	.4	.3	.0	.0	.0	.0	.0	.0	.5	.7	1.4	1.0	.4	.1	.0
50.	*	.1	.1	.4	.7	.8	.3	.3	.0	.0	.0	.0	.0	.0	.5	.7	1.4	1.0	.4	.1	.0
55.	*	.0	.1	.4	.7	.8	.3	.3	.0	.0	.0	.0	.0	.0	.5	.7	1.4	1.0	.4	.2	.0
60.	*	.0	.1	.4	.7	.7	.3	.3	.0	.0	.0	.0	.0	.0	.5	.7	1.2	.9	.5	.2	.0
65.	*	.0	.1	.4	.7	.7	.3	.3	.0	.0	.0	.0	.0	.0	.5	.8	1.2	.9	.5	.2	.0
70.	*	.0	.0	.3	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.4	.8	1.2	.9	.5	.2	.0
75.	*	.0	.0	.2	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.4	.9	1.2	.9	.5	.3	.0
80.	*	.1	.0	.2	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	1.0	1.2	.9	.5	.3	.0
85.	*	.1	.1	.0	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.5	1.0	1.2	1.0	.5	.3	.0
90.	*	.2	.2	.1	.5	.4	.5	.4	.0	.0	.0	.0	.0	.0	.5	1.1	1.2	1.0	.5	.3	.0
95.	*	.2	.2	.2	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0	.4	1.1	1.2	1.0	.5	.3	.0
100.	*	.2	.2	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.5	1.1	1.2	1.0	.5	.3	.0
105.	*	.2	.2	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.5	1.2	1.2	1.0	.6	.3	.0
110.	*	.0	.2	.2	.4	.5	.5	.5	.0	.2	.0	.0	.0	.0	.4	1.2	1.2	1.0	.7	.3	.0
115.	*	.0	.2	.2	.3	.5	.5	.5	.2	.1	.0	.0	.0	.0	.4	1.2	1.2	1.0	.6	.4	.0
120.	*	.0	.0	.2	.3	.4	.5	.5	.2	.4	.3	.0	.0	.0	.4	1.2	1.2	.9	.6	.4	.0
125.	*	.0	.0	.0	.3	.4	.4	.4	.4	.7	.4	.2	.0	.0	.5	1.2	1.2	.9	.8	.4	.0
130.	*	.0	.0	.0	.2	.4	.4	.3	.6	.8	.7	.2	.1	.0	.6	1.2	1.2	1.0	.8	.6	.0
135.	*	.0	.0	.0	.1	.3	.4	.3	.8	1.1	.9	.5	.2	.1	.0	1.2	1.2	1.1	.8	.6	.0
140.	*	.0	.0	.0	.0	.2	.2	.1	.9	1.4	1.1	.6	.2	.2	.0	1.4	1.5	1.2	.8	.7	.0
145.	*	.0	.0	.0	.0	.1	.1	.1	.9	1.6	1.3	.7	.4	.2	.1	1.6	1.5	1.6	1.1	1.0	.9
150.	*	.0	.0	.0	.0	.0	.0	.1	1.1	1.8	1.6	.7	.3	.1	.1	.8	1.5	1.6	1.3	.8	.9
155.	*	.0	.0	.0	.0	.0	.0	.0	1.2	1.8	1.5	.8	.4	.3	.1	1.0	1.6	1.7	1.2	1.0	.9
160.	*	.0	.0	.0	.0	.0	.0	.0	1.2	1.7	1.4	.8	.5	.4	.2	1.1	1.6	1.7	1.0	1.1	1.0
165.	*	.0	.0	.0	.0	.0	.0	.0	1.4	1.7	1.4	.8	.4	.4	.3	1.1	1.8	1.7	.9	1.1	1.1
170.	*	.1	.1	.1	.0	.0	.0	.0	1.4	1.7	1.4	.7	.4	.5	.3	1.3	1.8	1.6	.9	1.2	1.1
175.	*	.1	.1	.1	.0	.0	.0	.0	1.3	1.6	1.5	.5	.5	.5	.5	1.2	1.5	1.6	.9	1.3	1.2
180.	*	.2	.2	.2	.1	.0	.0	.0	1.4	1.7	1.4	.7	.7	.7	.4	1.2	1.5	1.4	.7	1.1	1.1
185.	*	.3	.3	.3	.2	.0	.0	.0	1.3	1.5	1.5	.6	.8	.8	.4	1.1	1.2	1.0	.7	1.0	1.1
190.	*	.4	.4	.4	.2	.0	.0	.0	1.3	1.5	1.4	.7	.8	.8	.8	1.0	1.0	.9	.7	1.1	1.0
195.	*	.4	.4	.4	.3	.1	.0	.0	1.3	1.6	1.6	.7	.9	.7	.8	.7	.8	.7	.7	1.0	1.0
200.	*	.5	.5	.5	.3	.1	.1	.0	1.4	1.5	1.6	.7	.9	.7	.8	.5	.6	.6	.7	1.0	.9
205.	*	.5	.5	.5	.3	.1	.1	.0	1.4	1.6	1.4	.7	.8	.8	.9	.5	.5	.5	.7	1.0	.9

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JOB: PurpleLine - S10 Existing AM

RUN: PurpleLine S10 Existing AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.5	.5	.5	.4	.1	.1	.1	1.4	1.7	1.6	.7	.7	.9	1.1	.3	.4	.4	.7	.9	.9
215.	*	.5	.5	.5	.4	.2	.1	.1	1.4	1.7	1.5	.8	.5	.8	1.2	.3	.3	.4	.8	1.0	.9
220.	*	.5	.5	.5	.6	.2	.1	.1	1.4	1.8	1.4	.7	.5	1.1	1.2	.3	.3	.4	.8	1.0	.9
225.	*	.5	.5	.5	.6	.2	.1	.1	1.4	1.8	1.3	.6	.6	1.1	1.1	.3	.3	.4	.8	1.0	.9
230.	*	.5	.5	.5	.7	.2	.1	.1	1.4	1.8	1.1	.5	.5	1.1	1.3	.3	.3	.4	.7	1.0	.9
235.	*	.5	.5	.5	.7	.2	.1	.1	1.4	1.8	.9	.5	.5	1.1	1.2	.3	.3	.4	.7	1.0	.9
240.	*	.4	.4	.4	.8	.1	.1	.1	1.5	1.9	.8	.5	.7	1.3	1.2	.3	.4	.4	.7	1.0	.9
245.	*	.3	.3	.3	.8	.1	.1	.1	1.5	1.9	.8	.4	.8	1.3	1.2	.3	.4	.4	.7	.9	.9
250.	*	.3	.3	.3	.9	.1	.1	.1	1.5	1.9	.5	.4	.8	1.4	1.2	.3	.4	.4	.7	1.0	.9
255.	*	.3	.3	.3	.9	.2	.1	.1	1.8	1.9	.5	.5	.9	1.4	1.3	.3	.4	.4	.7	1.0	.9
260.	*	.3	.3	.3	.9	.3	.1	.1	1.8	1.8	.5	.6	1.0	1.4	1.2	.3	.5	.4	.7	1.0	1.0
265.	*	.3	.3	.3	.9	.3	.1	.1	1.8	1.8	.5	.6	1.1	1.4	1.3	.3	.5	.4	.7	1.0	1.0
270.	*	.3	.3	.4	.9	.4	.1	.1	1.9	1.7	.4	.6	1.2	1.3	1.3	.4	.5	.5	.8	1.1	1.0
275.	*	.4	.4	.5	.9	.4	.2	.1	2.0	1.8	.4	.7	1.4	1.3	1.3	.4	.4	.5	.7	1.0	1.0

280.	*	.3	.3	.4	.9	.4	.3	.1	2.1	1.8	.5	.8	1.4	1.3	1.4	.4	.5	.5	.8	1.1	1.0
285.	*	.3	.3	.4	.9	.4	.3	.2	2.0	1.8	.6	.9	1.4	1.3	1.4	.4	.5	.5	.8	1.2	1.0
290.	*	.3	.3	.4	.9	.4	.3	.2	2.0	1.7	.8	.9	1.4	1.4	1.3	.4	.4	.6	.8	1.2	1.3
295.	*	.3	.3	.5	.8	.5	.4	.3	1.9	1.7	.9	1.0	1.6	1.3	1.2	.3	.4	.5	.8	1.2	1.4
300.	*	.3	.3	.5	.9	.4	.4	.4	2.0	1.5	1.1	1.0	1.6	1.4	1.2	.2	.4	.5	.8	1.2	1.3
305.	*	.3	.3	.6	.9	.5	.4	.4	1.8	1.3	1.0	1.2	1.6	1.2	1.1	.2	.3	.4	.7	1.3	1.2
310.	*	.3	.3	.7	.9	.6	.6	.8	1.4	1.3	1.0	1.2	1.6	1.3	1.0	.0	.2	.3	.6	1.2	1.1
315.	*	.4	.5	.9	.9	.8	.7	.8	1.3	1.2	.9	1.1	1.4	1.1	.8	.0	.0	.2	.5	1.0	1.0
320.	*	.6	.7	1.1	1.1	.8	1.0	.9	1.1	.9	.7	1.3	1.1	1.0	.8	.0	.0	.0	.5	.8	.7
325.	*	.6	.8	1.3	1.2	1.2	1.2	1.0	.7	.7	.8	1.0	1.0	1.0	.9	.0	.0	.0	.2	.7	.5
330.	*	.7	.9	1.4	1.0	1.3	1.1	1.0	.6	.6	.6	.9	.9	.9	.9	.0	.0	.0	.0	.4	.3
335.	*	.7	.9	1.5	.9	1.2	1.2	1.0	.5	.4	.4	.8	1.0	.9	.8	.0	.0	.0	.0	.2	.2
340.	*	.9	.9	1.4	.8	1.2	1.3	.9	.2	.3	.4	.7	1.0	1.0	.7	.1	.0	.0	.0	.1	.1
345.	*	.9	1.0	1.4	.9	1.2	1.1	.7	.1	.3	.4	.7	.9	.9	.6	.1	.0	.1	.0	.1	.1
350.	*	.8	1.0	1.4	.8	1.0	.9	.6	.0	.2	.3	.6	.8	.7	.6	.1	.1	.1	.0	.1	.0
355.	*	.8	1.0	1.3	.5	1.1	.8	.5	.0	.0	.2	.5	.7	.6	.5	.2	.2	.3	.0	.0	.0
360.	*	.6	.9	1.2	.5	.9	.8	.5	.0	.0	.1	.4	.6	.6	.4	.4	.3	.4	.2	.0	.0
-----																					
MAX	*	.9	1.0	1.5	1.2	1.3	1.3	1.0	2.1	1.9	1.6	1.3	1.6	1.4	1.4	1.3	1.8	1.7	1.3	1.3	1.4
DEGR.	*	340	345	335	325	330	340	325	280	240	195	320	305	300	280	170	165	155	150	175	295

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JOB: PurpleLine - S10 Existing AM

RUN: PurpleLine S10 Existing AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	1.6	1.5	1.1	.9	.7	.7	.7
5.	*	.0	1.4	1.3	1.1	.9	.7	.7	.9
10.	*	.0	1.4	1.3	1.2	.9	.9	.9	1.0
15.	*	.0	1.3	1.3	1.4	.9	.9	.8	1.0
20.	*	.0	1.3	1.3	1.5	.8	.9	.8	1.2
25.	*	.0	1.4	1.4	1.5	.9	.7	.8	1.1
30.	*	.0	1.4	1.5	1.4	.9	.8	.8	1.1
35.	*	.1	1.4	1.5	1.5	.9	.7	.7	1.1
40.	*	.1	1.5	1.6	1.4	.8	.5	.8	1.3
45.	*	.1	1.5	1.6	1.4	.7	.6	1.0	1.4
50.	*	.1	1.5	1.5	1.3	.7	.7	1.1	1.4
55.	*	.1	1.5	1.5	1.2	.7	.6	1.1	1.5
60.	*	.1	1.6	1.6	.9	.6	.6	1.2	1.3
65.	*	.1	1.6	1.7	.9	.5	.8	1.3	1.4
70.	*	.1	1.6	1.7	.7	.6	.8	1.4	1.2
75.	*	.1	1.6	1.7	.6	.4	.8	1.5	1.0
80.	*	.2	1.6	1.8	.6	.5	.9	1.5	.8
85.	*	.2	1.7	1.7	.6	.6	.9	1.5	.8
90.	*	.2	1.8	1.7	.6	.6	1.1	1.4	.7
95.	*	.3	1.7	1.7	.6	.7	1.2	1.3	.6
100.	*	.3	1.7	1.5	.6	.7	1.1	1.2	.7
105.	*	.3	1.7	1.4	.6	.7	1.1	1.2	.8
110.	*	.3	1.8	1.6	.7	.7	1.0	1.3	.7
115.	*	.3	1.8	1.3	.8	.9	1.2	1.2	.7
120.	*	.4	1.8	1.3	.9	.9	1.1	1.1	.5
125.	*	.4	1.6	1.1	.7	.9	1.1	.8	.5
130.	*	.5	1.4	.8	.7	.9	.9	.8	.5
135.	*	.6	.9	.8	.6	.7	.8	.8	.5
140.	*	.7	.8	.7	.5	.7	.8	.7	.6
145.	*	.9	.5	.5	.5	.8	.8	.7	.6
150.	*	1.0	.3	.4	.5	.7	.7	.8	.6
155.	*	1.0	.2	.4	.6	.7	.8	.8	.6
160.	*	1.1	.1	.3	.4	.7	.7	.7	.7
165.	*	1.1	.1	.2	.2	.7	.7	.7	.7
170.	*	1.1	.1	.2	.2	.5	.6	.7	.7
175.	*	1.1	.1	.1	.2	.3	.6	.6	.7
180.	*	1.2	.1	.1	.1	.2	.3	.5	.6
185.	*	1.0	.0	.1	.1	.2	.2	.4	.5
190.	*	.9	.0	.0	.1	.1	.2	.3	.4
195.	*	.9	.0	.0	.0	.1	.1	.2	.3
200.	*	.9	.0	.0	.0	.0	.1	.1	.2
205.	*	.9	.0	.0	.0	.0	.0	.1	.1

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JOB: PurpleLine - S10 Existing AM

RUN: PurpleLine S10 Existing AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.9	.0	.0	.0	.0	.0	.0	.1
215.	*	.9	.0	.0	.0	.0	.0	.0	.0
220.	*	.9	.0	.0	.0	.0	.0	.0	.0
225.	*	.9	.0	.0	.0	.0	.0	.0	.0

230.	*	.9	.0	.0	.0	.0	.0	.0	.0
235.	*	.9	.0	.0	.0	.0	.0	.0	.0
240.	*	.9	.0	.0	.0	.0	.0	.0	.0
245.	*	.9	.0	.0	.0	.0	.0	.0	.0
250.	*	.9	.0	.0	.0	.0	.0	.0	.0
255.	*	.9	.0	.0	.0	.0	.0	.0	.0
260.	*	.9	.0	.0	.0	.0	.0	.0	.0
265.	*	.9	.0	.0	.0	.0	.0	.0	.0
270.	*	1.0	.0	.0	.0	.0	.0	.0	.0
275.	*	1.0	.0	.0	.0	.0	.0	.0	.0
280.	*	1.1	.0	.0	.0	.0	.0	.0	.0
285.	*	1.2	.0	.0	.0	.0	.0	.0	.0
290.	*	1.2	.0	.0	.0	.0	.0	.0	.0
295.	*	1.1	.1	.1	.0	.0	.0	.0	.0
300.	*	1.2	.2	.1	.1	.0	.0	.0	.0
305.	*	1.1	.4	.3	.2	.1	.0	.0	.0
310.	*	1.0	.6	.6	.3	.2	.1	.0	.0
315.	*	.9	1.0	.8	.6	.3	.2	.1	.1
320.	*	.6	1.3	1.3	.8	.5	.4	.2	.1
325.	*	.5	1.7	1.6	1.2	.7	.5	.3	.2
330.	*	.3	1.8	1.8	1.4	1.0	.6	.4	.2
335.	*	.1	2.0	1.7	1.4	1.2	.8	.5	.4
340.	*	.1	1.9	1.7	1.4	1.1	.9	.5	.3
345.	*	.0	1.9	1.6	1.2	.9	.7	.4	.5
350.	*	.0	1.7	1.5	1.2	.8	.7	.4	.4
355.	*	.0	1.6	1.5	1.1	.8	.7	.6	.6
360.	*	.0	1.6	1.5	1.1	.9	.7	.7	.7

-----*									
MAX	*	1.2	2.0	1.8	1.5	1.2	1.2	1.5	1.5
DEGR.	*	180	335	80	20	335	95	75	55

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 280 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 335 DEGREES FROM REC22.  
 THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 240 DEGREES FROM REC9 .

PurpleLine - S10 Existing PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 Existing PM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 2300 6.0 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	1696 6.0 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150		2.0 1696 65.9 1671 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	428 6.0 0 32 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 12 1
150		2.0 428 65.9 1770 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	2000 6.0 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	2000 6.0 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	1376 5.9 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	1376 5.9 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1016 5.9 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150		2.0 1016 65.9 1678 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	288 5.9 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150		2.0 288 65.9 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	1564 5.9 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1816 6.2 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1372 6.2 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150		2.0 1372 65.9 1645 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	108 6.2 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150		2.0 108 65.9 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1836 6.2 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1836 6.2 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1824 6.0 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1416 6.0 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150		2.0 1416 65.9 1664 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	212 6.0 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150		2.0 212 65.9 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1916 6.0 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1916 6.0 0 56 30.
1			



0		650nbR	AG	1297.	505.	1350.	1048.	176	6.0	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	176	6.0	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	72	5.9	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	72	5.9	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	336	6.2	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	336	6.2	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	336	6.2	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	336	6.2	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	196	6.0	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	196	6.0	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	196	6.0	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 Existing PM  
DATE: 12/20/2007 TIME: 07:54:50.01

RUN: PurpleLine S10 Existing PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2300.	6.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1696.	6.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1312.1	780.2	*	317.	186. AG	318.	100.0	.0	36.0	.91 16.1
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	428.	6.0	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1292.2	860.8	*	250.	185. AG	120.	100.0	.0	12.0	.82 12.7
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2000.	6.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2000.	6.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1376.	5.9	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1376.	5.9	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1016.	5.9	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.6	1568.0	*	194.	6. AG	371.	100.0	.0	36.0	.74 9.9
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	288.	5.9	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1356.9	1550.4	*	203.	5. AG	138.	100.0	.0	12.0	.84 10.3
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1564.	5.9	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1816.	6.2	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1372.	6.2	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	920.6	1653.9	*	446.	318. AG	371.	100.0	.0	36.0	1.02 22.6
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	108.	6.2	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1184.6	1395.1	*	76.	319. AG	152.	100.0	.0	12.0	.54 3.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1836.	6.2	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1836.	6.2	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1824.	6.0	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1416.	6.0	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1660.7	970.5	*	295.	133. AG	350.	100.0	.0	36.0	.91 15.0
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	212.	6.0	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1539.2	1048.7	*	153.	132. AG	145.	100.0	.0	12.0	.78 7.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1916.	6.0	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1916.	6.0	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	176.	6.0	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	176.	6.0	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	72.	5.9	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	72.	5.9	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	336.	6.2	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	336.	6.2	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	336.	6.2	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	336.	6.2	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	196.	6.0	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	196.	6.0	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	196.	6.0	.0	32.0	

JOB: PurpleLine - S10 Existing PM  
DATE: 12/20/2007 TIME: 07:54:50.01

RUN: PurpleLine S10 Existing PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1696	1671	65.90	1	3
5. 0	650nbLq	150	102	2.0	428	1770	65.90	1	3
11. 0	650sbTq	150	105	2.0	1016	1678	65.90	1	3
13. 0	650sbLq	150	117	2.0	288	1770	65.90	1	3
17. 0	650ebTq	150	105	2.0	1372	1645	65.90	1	3
19. 0	650ebLq	150	129	2.0	108	1770	65.90	1	3
24. 0	650wbT	150	99	2.0	1416	1664	65.90	1	3
26. 0	650wbL	150	123	2.0	212	1770	65.90	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 Existing PM

RUN: PurpleLine S10 Existing PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	2.0	1.7	1.5	.7	1.4	1.1	1.1	.0	.1	.1	.3	.6	.7	.8	.2	.2	.3	.0	.1	.0
5.	*	1.6	1.5	1.2	.6	1.2	1.0	1.0	.0	.0	.1	.2	.4	.5	.7	.4	.4	.3	.2	.0	.0
10.	*	1.1	1.3	1.2	.6	1.2	1.0	.9	.0	.0	.0	.1	.3	.4	.5	.5	.5	.4	.0	.0	.0
15.	*	.9	.9	.8	.7	1.1	1.0	.9	.0	.0	.0	.1	.2	.3	.3	.5	.5	.6	.4	.0	.0
20.	*	.6	.7	.5	.6	1.0	.9	.7	.0	.0	.0	.1	.2	.2	.6	.6	.6	.6	.1	.0	.0
25.	*	.6	.6	.7	.7	1.0	.9	.6	.0	.0	.0	.1	.2	.1	.6	.7	.5	.6	.2	.0	.0
30.	*	.6	.7	.6	.7	1.0	.9	.7	.0	.0	.0	.1	.1	.1	.6	.5	.6	.7	.2	.1	.0
35.	*	.5	.5	.6	.7	1.0	1.0	.7	.0	.0	.0	.1	.1	.1	.5	.5	.5	.8	.2	.2	.0
40.	*	.3	.4	.5	.8	1.1	1.0	.7	.0	.0	.0	.0	.1	.1	.5	.5	.6	1.1	.1	.2	.0
45.	*	.3	.4	.5	.8	1.1	1.0	.7	.0	.0	.0	.0	.1	.1	.5	.5	.6	1.1	.2	.2	.0
50.	*	.2	.4	.6	.8	1.0	1.0	.4	.0	.0	.0	.0	.0	.0	.5	.4	.7	1.1	.3	.1	.0
55.	*	.1	.4	.5	.8	.9	.9	.4	.0	.0	.0	.0	.0	.0	.5	.4	.7	1.1	.3	.1	.0
60.	*	.1	.4	.4	.8	.9	.8	.5	.0	.0	.0	.0	.0	.0	.4	.4	.8	1.1	.3	.1	.0
65.	*	.2	.2	.4	.8	.9	.8	.5	.0	.0	.0	.0	.0	.0	.4	.4	.9	1.1	.4	.1	.0
70.	*	.2	.2	.4	.8	.9	.7	.6	.0	.0	.0	.0	.0	.0	.4	.4	.9	1.1	.4	.1	.0
75.	*	.2	.2	.4	.8	1.0	.9	.6	.0	.0	.0	.0	.0	.0	.4	.4	1.0	1.1	.5	.2	.0
80.	*	.2	.3	.4	.8	1.0	.8	.6	.0	.0	.0	.0	.0	.0	.4	.4	1.1	1.1	.6	.3	.0
85.	*	.2	.2	.2	.8	1.0	.8	.6	.0	.0	.0	.0	.0	.0	.4	.4	1.3	1.1	.6	.3	.0
90.	*	.2	.2	.4	.8	.9	.7	.6	.0	.0	.0	.0	.0	.0	.5	.4	1.4	1.1	.7	.4	.0
95.	*	.2	.2	.4	.7	1.0	.8	.7	.0	.0	.0	.0	.0	.0	.5	.4	1.4	1.1	.7	.4	.0
100.	*	.2	.2	.2	.7	1.0	.7	.7	.0	.0	.0	.0	.0	.0	.4	.4	1.5	1.1	.8	.5	.0
105.	*	.2	.2	.2	.8	.9	.7	.7	.0	.1	.0	.0	.0	.0	.4	.4	1.5	1.1	.8	.6	.0
110.	*	.2	.2	.2	.7	1.1	.8	.8	.1	.2	.0	.0	.0	.0	.4	.4	1.5	1.1	.7	.7	.0
115.	*	.1	.2	.2	.5	.9	.8	.8	.3	.3	.1	.0	.0	.0	.4	.4	1.6	1.1	.7	.7	.0
120.	*	.0	.1	.2	.5	1.0	.8	.8	.5	.6	.4	.1	.0	.0	.3	.4	1.6	1.1	.7	.7	.0
125.	*	.0	.0	.2	.4	.8	.8	.7	.8	.6	.3	.0	.0	.0	.3	.4	1.6	1.2	.9	.8	.0
130.	*	.0	.0	.1	.3	.6	.7	.5	.9	1.2	.9	.5	.3	.0	.4	.5	1.7	1.4	1.2	.8	.0
135.	*	.0	.0	.0	.2	.5	.5	.4	1.2	1.6	1.0	.6	.3	.2	.0	.4	.5	2.0	1.4	1.3	1.0
140.	*	.0	.0	.0	.1	.3	.3	.2	1.5	1.7	1.4	.7	.5	.3	.2	.4	.9	2.0	1.6	1.2	1.1
145.	*	.0	.0	.0	.0	.2	.2	.1	1.7	2.1	1.6	1.1	.5	.4	.4	.5	1.0	2.1	1.5	1.3	1.2
150.	*	.0	.0	.0	.0	.1	.1	.1	1.7	2.1	1.7	1.0	.7	.6	.4	.6	1.0	2.1	1.3	1.5	1.3
155.	*	.1	.1	.1	.0	.1	.0	.1	1.9	2.0	1.8	1.0	.6	.6	.3	.6	1.0	2.1	1.4	1.4	1.3
160.	*	.1	.1	.1	.0	.0	.0	.0	1.8	2.2	1.7	.9	.6	.5	.4	.8	1.3	2.1	1.2	1.3	1.3
165.	*	.1	.1	.2	.0	.0	.0	.0	1.8	2.0	1.7	.9	.6	.5	.5	.8	1.6	2.2	1.2	1.3	1.3
170.	*	.1	.2	.3	.0	.0	.0	.0	1.8	1.9	1.7	.8	.8	.7	.5	1.2	1.8	2.3	1.0	1.4	1.5
175.	*	.2	.3	.4	.1	.0	.0	.0	1.7	1.8	1.7	.9	.6	.8	.8	1.1	1.7	1.8	1.0	1.5	1.4
180.	*	.4	.6	.7	.2	.0	.0	.0	1.6	1.8	1.6	.9	.9	.9	1.0	1.1	1.4	1.5	.7	1.5	1.2
185.	*	.6	.8	1.0	.4	.0	.0	.0	1.6	1.8	1.8	1.0	1.0	1.1	1.1	1.2	1.4	1.4	.7	1.3	1.1
190.	*	.7	1.1	1.3	.6	.0	.0	.0	1.5	1.8	1.7	1.1	1.0	1.1	1.1	.8	1.1	1.1	.7	1.0	1.0
195.	*	.8	1.3	1.6	.7	.1	.0	.0	1.5	1.8	1.8	1.1	1.3	1.1	1.2	.6	.8	.8	.7	1.0	1.0
200.	*	.8	1.5	1.9	.7	.2	.0	.0	1.5	2.0	1.8	1.1	1.2	1.2	1.4	.5	.7	.5	.6	1.0	1.0
205.	*	.9	1.6	2.0	1.0	.2	.1	.0	1.7	2.0	1.8	1.1	1.0	1.0	1.5	.5	.5	.5	.7	1.0	.9

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JOB: PurpleLine - S10 Existing PM

RUN: PurpleLine S10 Existing PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.9	1.7	2.1	1.1	.3	.2	.0	1.8	2.1	1.8	1.1	1.1	1.0	1.4	.3	.4	.4	.7	1.0	.9
215.	*	.8	1.7	2.0	1.1	.3	.2	.1	1.8	2.1	1.7	.9	1.0	1.1	1.5	.3	.4	.4	.7	1.0	.9
220.	*	.7	1.6	1.9	1.0	.4	.2	.2	1.9	2.2	1.6	.8	.7	1.2	1.6	.3	.4	.5	.8	1.0	1.1
225.	*	.7	1.7	1.9	1.0	.4	.3	.2	2.0	2.3	1.5	.7	.7	1.4	1.6	.3	.4	.5	.8	1.0	1.1
230.	*	.7	1.7	1.8	1.0	.4	.3	.2	2.0	2.3	1.2	.7	.8	1.3	1.7	.3	.3	.5	.8	1.0	1.1
235.	*	.7	1.7	1.8	1.0	.5	.3	.2	2.0	2.3	1.1	.7	.8	1.4	1.7	.3	.3	.5	.8	1.0	1.0
240.	*	.5	1.5	1.6	1.0	.5	.3	.2	2.0	2.3	.8	.7	.9	1.5	1.7	.4	.3	.5	.7	1.0	1.0
245.	*	.5	1.4	1.5	1.0	.6	.4	.3	2.1	2.2	.8	.6	1.0	1.6	1.7	.4	.3	.5	.7	1.0	1.0
250.	*	.6	1.4	1.5	1.0	.6	.4	.3	2.2	2.2	.6	.7	.9	1.6	1.7	.4	.4	.5	.7	1.0	1.0
255.	*	.6	1.4	1.6	1.0	.6	.4	.3	2.2	2.2	.6	.6	1.1	1.7	1.6	.3	.4	.4	.7	1.0	1.0
260.	*	.6	1.4	1.5	1.0	.6	.4	.3	2.2	2.1	.7	.6	1.1	1.8	1.6	.2	.4	.5	.7	1.1	1.1
265.	*	.7	1.4	1.5	1.0	.6	.4	.4	2.2	2.1	.7	.7	1.3	1.8	1.6	.3	.4	.5	.7	1.2	1.1
270.	*	.8	1.5	1.6	1.0	.6	.5	.4	2.3	2.0	.6	.8	1.5	1.8	1.7	.3	.3	.5	.7	1.2	1.1
275.	*	.9	1.5	1.6	1.0	.6	.5	.4	2.3	1.9	.8	1.0	1.5	1.7	1.5	.2	.4	.4	.8	1.2	1.1

280.	*	.9	1.5	1.6	1.0	.6	.5	.4	2.3	1.9	.9	.9	1.7	1.8	1.5	.2	.3	.4	.8	1.3	1.1
285.	*	1.0	1.5	1.5	.9	.6	.6	.4	2.3	2.0	1.0	1.0	1.8	1.7	1.3	.2	.2	.4	.7	1.3	1.1
290.	*	1.1	1.5	1.5	.9	.6	.6	.5	2.4	1.9	1.0	1.0	1.7	1.7	1.4	.2	.2	.4	.7	1.2	1.1
295.	*	1.2	1.5	1.5	.9	.5	.5	.5	2.1	1.9	.8	1.2	1.7	1.8	1.2	.2	.2	.4	.6	1.2	1.1
300.	*	1.2	1.5	1.6	.8	.7	.7	.5	2.1	1.8	1.0	1.3	1.5	1.7	1.1	.2	.2	.2	.7	1.2	1.0
305.	*	1.3	1.6	1.6	.9	.6	.7	.7	2.0	1.5	1.2	1.4	1.7	1.5	.9	.2	.2	.2	.6	1.1	1.0
310.	*	1.4	1.7	1.7	.8	.7	.7	.8	1.8	1.4	1.1	1.3	1.6	1.4	.8	.1	.2	.2	.4	1.0	.9
315.	*	1.4	1.7	1.8	1.0	1.2	1.3	1.1	1.4	1.2	1.2	1.4	1.6	1.4	.7	.0	.1	.2	.4	.9	.9
320.	*	1.7	2.0	2.1	1.1	1.3	1.2	1.2	1.0	1.0	1.1	1.2	1.4	1.3	.6	.0	.0	.1	.3	.8	.6
325.	*	1.9	2.2	2.3	1.2	1.6	1.4	1.4	.7	.7	.9	1.1	1.2	1.2	.6	.0	.0	.0	.2	.5	.5
330.	*	2.1	2.2	2.4	1.0	1.3	1.4	1.5	.4	.6	.7	.9	1.3	1.1	.6	.0	.0	.0	.1	.5	.4
335.	*	2.2	2.3	2.4	1.2	1.3	1.4	1.5	.4	.3	.6	.9	1.2	1.0	.7	.0	.0	.0	.0	.3	.2
340.	*	2.3	2.5	2.3	1.1	1.2	1.4	1.4	.2	.3	.6	.8	1.1	1.0	.8	.0	.0	.0	.0	.1	.1
345.	*	2.4	2.4	2.2	1.0	1.3	1.5	1.4	.1	.2	.5	.8	1.0	.9	.8	.0	.0	.0	.0	.1	.1
350.	*	2.5	2.3	2.2	.9	1.4	1.3	1.3	.1	.1	.3	.7	.9	.9	.7	.1	.0	.0	.0	.1	.1
355.	*	2.2	2.3	1.9	.7	1.5	1.3	1.1	.0	.1	.2	.5	.8	.8	.7	.1	.1	.2	.0	.1	.0
360.	*	2.0	1.7	1.5	.7	1.4	1.1	1.1	.0	.1	.1	.3	.6	.7	.8	.2	.2	.3	.0	.1	.0
-----																					
MAX	*	2.5	2.5	2.4	1.2	1.6	1.5	1.5	2.4	2.3	1.8	1.4	1.8	1.8	1.7	1.2	1.8	2.3	1.6	1.5	1.5
DEGR.	*	350	340	330	325	325	345	330	290	225	155	315	285	295	230	170	170	170	140	150	170

1

JOB: PurpleLine - S10 Existing PM

RUN: PurpleLine S10 Existing PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	1.7	1.6	1.4	1.0	.6	.7	.7
5.	.0	1.7	1.6	1.4	.8	.7	.7	.7
10.	.0	1.5	1.4	1.3	1.0	.9	.9	.7
15.	.0	1.5	1.4	1.5	.9	1.0	.8	.7
20.	.0	1.5	1.4	1.5	.9	1.0	.9	1.1
25.	.0	1.5	1.5	1.6	.9	1.0	.8	1.1
30.	.0	1.6	1.6	1.6	.8	.8	.8	1.1
35.	.1	1.6	1.6	1.8	.8	.9	.8	1.3
40.	.0	1.6	1.6	1.7	1.0	.5	.8	1.3
45.	.2	1.6	1.7	1.6	.9	.6	.9	1.4
50.	.2	1.7	1.8	1.5	.6	.7	1.1	1.4
55.	.2	1.7	2.0	1.4	.5	.7	1.2	1.6
60.	.1	1.7	2.0	1.2	.5	.7	1.2	1.4
65.	.1	1.8	2.0	1.0	.6	.7	1.4	1.4
70.	.1	1.8	2.1	.9	.6	.7	1.4	1.4
75.	.1	1.8	2.0	.8	.6	.7	1.4	1.4
80.	.1	2.0	2.1	.5	.6	.8	1.5	1.3
85.	.1	2.0	2.1	.6	.8	1.0	1.4	1.2
90.	.1	2.1	1.9	.7	.7	1.1	1.4	1.2
95.	.2	2.1	1.9	.7	.8	1.1	1.4	1.3
100.	.2	2.0	1.7	.9	.8	1.3	1.4	1.2
105.	.2	2.0	1.7	.9	1.0	1.2	1.4	1.2
110.	.3	2.1	1.6	.8	1.1	1.2	1.4	1.2
115.	.4	2.0	1.6	1.0	1.2	1.1	1.2	1.2
120.	.5	2.0	1.8	1.1	1.2	1.2	1.2	1.2
125.	.4	1.9	1.4	1.2	.9	1.1	1.2	1.1
130.	.6	1.8	1.2	1.0	1.0	1.1	1.2	1.0
135.	.8	1.5	1.2	.7	.9	1.0	1.1	1.0
140.	1.0	1.1	.8	.7	.8	.9	1.1	1.0
145.	1.1	.7	.6	.7	.8	1.0	1.1	1.0
150.	1.3	.5	.5	.6	.8	1.0	1.1	1.0
155.	1.3	.5	.5	.6	.8	1.0	1.1	1.1
160.	1.3	.3	.3	.5	.8	.9	1.0	.9
165.	1.4	.3	.3	.4	.7	.9	1.0	.9
170.	1.3	.2	.3	.3	.6	.7	.9	.7
175.	1.2	.1	.1	.3	.4	.5	.5	.6
180.	1.1	.0	.1	.1	.3	.4	.5	.5
185.	1.1	.0	.0	.1	.1	.3	.3	.4
190.	1.1	.0	.0	.0	.1	.1	.2	.3
195.	1.0	.0	.0	.0	.0	.1	.1	.2
200.	1.0	.0	.0	.0	.0	.0	.1	.1
205.	1.0	.0	.0	.0	.0	.0	.0	.1

1

JOB: PurpleLine - S10 Existing PM

RUN: PurpleLine S10 Existing PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	1.0	.0	.0	.0	.0	.0	.0	.0
215.	1.0	.0	.0	.0	.0	.0	.0	.0
220.	1.0	.0	.0	.0	.0	.0	.0	.0
225.	1.1	.0	.0	.0	.0	.0	.0	.0

230.	*	1.1	.0	.0	.0	.0	.0	.0	.0
235.	*	1.1	.0	.0	.0	.0	.0	.0	.0
240.	*	1.0	.0	.0	.0	.0	.0	.0	.0
245.	*	1.0	.0	.0	.0	.0	.0	.0	.0
250.	*	1.0	.0	.0	.0	.0	.0	.0	.0
255.	*	1.0	.0	.0	.0	.0	.0	.0	.0
260.	*	1.0	.0	.0	.0	.0	.0	.0	.0
265.	*	1.1	.0	.0	.0	.0	.0	.0	.0
270.	*	1.0	.0	.0	.0	.0	.0	.0	.0
275.	*	1.0	.0	.0	.0	.0	.0	.0	.0
280.	*	1.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.9	.0	.0	.0	.0	.0	.0	.0
290.	*	.8	.0	.0	.0	.0	.0	.0	.0
295.	*	.8	.0	.0	.0	.0	.0	.0	.0
300.	*	.8	.1	.1	.0	.0	.0	.0	.0
305.	*	.8	.3	.3	.1	.0	.0	.0	.0
310.	*	.7	.4	.4	.3	.1	.0	.0	.0
315.	*	.7	.9	.9	.4	.3	.1	.0	.0
320.	*	.6	1.1	1.1	.7	.5	.2	.2	.0
325.	*	.5	1.3	1.5	1.0	.7	.4	.2	.2
330.	*	.4	1.7	1.6	1.3	.9	.5	.4	.2
335.	*	.2	1.8	1.7	1.4	1.0	.7	.4	.4
340.	*	.1	2.0	1.7	1.4	1.1	.8	.7	.3
345.	*	.0	1.9	1.8	1.4	.9	.7	.5	.4
350.	*	.0	2.0	1.8	1.3	.9	.6	.4	.5
355.	*	.0	1.7	1.6	1.3	.9	.7	.6	.6
360.	*	.0	1.7	1.6	1.4	1.0	.6	.7	.7
-----									
MAX	*	1.4	2.1	2.1	1.8	1.2	1.3	1.5	1.6
DEGR.	*	165	90	70	35	115	100	80	55

THE HIGHEST CONCENTRATION IS 2.50 PPM AT 340 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.50 PPM AT 350 DEGREES FROM REC1 .  
 THE 3RD HIGHEST CONCENTRATION IS 2.40 PPM AT 330 DEGREES FROM REC3 .

PurpleLine - S10 No Bld 2015 AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 No Bld 2015 AM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 1170 3.5 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	835 3.5 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150	84	2.0 835 37.8 1675 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	265 3.5 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150	127	2.0 265 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	1165 3.5 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	1165 3.5 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	2350 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	2350 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1980 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150	77	2.0 1980 37.8 1673 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	185 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150	120	2.0 185 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	2635 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1520 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	960 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150	101	2.0 960 37.8 1612 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	90 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150	136	2.0 90 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1215 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1215 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1685 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1260 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150	95	2.0 1260 37.8 1654 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	185 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150	130	2.0 185 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1710 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1710 3.5 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	70	3.5	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	70	3.5	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	185	3.5	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	185	3.5	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	470	3.5	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	470	3.5	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	470	3.5	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	470	3.5	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	240	3.5	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	240	3.5	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	240	3.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 No Bld 2015 AM  
DATE: 12/20/2007 TIME: 07:55:53.62

RUN: PurpleLine S10 No Bld 2015 AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.6	968.9	*	128.	186. AG	170.	100.0	.0	36.0	.40 6.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1307.3	1018.7	*	92.	185. AG	172.	100.0	.0	24.0	.61 4.7
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1346.0	1665.0	*	292.	6. AG	156.	100.0	.0	36.0	.86 14.8
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.3	1468.9	*	121.	5. AG	81.	100.0	.0	12.0	.60 6.2
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	960.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1100.1	1453.6	*	177.	318. AG	205.	100.0	.0	36.0	.66 9.0
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	90.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1184.6	1395.1	*	76.	319. AG	92.	100.0	.0	12.0	.76 3.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1215.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1215.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	70.	3.5	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	470.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	470.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	

JOB: PurpleLine - S10 No Bld 2015 AM  
DATE: 12/20/2007 TIME: 07:55:53.62

RUN: PurpleLine S10 No Bld 2015 AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	84	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650sbTq	150	77	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	120	2.0	185	1770	37.80	1	3
17. 0	650ebTq	150	101	2.0	960	1612	37.80	1	3
19. 0	650ebLq	150	136	2.0	90	1770	37.80	1	3
24. 0	650wbT	150	95	2.0	1260	1654	37.80	1	3
26. 0	650wbL	150	130	2.0	185	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*



16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 No Bld 2015 AM

RUN: PurpleLine S10 No Bld 2015 AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5.	*	.3	.3	.3	.3	.6	.6	.3	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10.	*	.2	.2	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0
15.	*	.3	.3	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.3	.3	.7	.4	.0	.0
20.	*	.1	.2	.2	.4	.6	.4	.2	.0	.0	.0	.0	.1	.1	.4	.6	.7	.5	.1	.0
25.	*	.1	.1	.1	.4	.6	.4	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.5	.1	.0
30.	*	.1	.1	.1	.5	.6	.3	.2	.0	.0	.0	.0	.0	.0	.4	.5	.9	.6	.1	.1
35.	*	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.5	.9	.6	.1	.1
40.	*	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
45.	*	.1	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
50.	*	.1	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.5	.8	.6	.2	.0
55.	*	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0
60.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.6	.7	.6	.2	.1
65.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.6	.7	.6	.3	.1
70.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.6	.7	.6	.3	.2
75.	*	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
80.	*	.0	.0	.0	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.2	.2
85.	*	.0	.0	.0	.5	.3	.2	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
90.	*	.0	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
95.	*	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
100.	*	.0	.0	.1	.2	.4	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
105.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2
110.	*	.0	.0	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2
115.	*	.0	.0	.1	.3	.3	.4	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
120.	*	.0	.0	.0	.3	.3	.4	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3
125.	*	.0	.0	.0	.2	.3	.4	.3	.2	.4	.3	.0	.0	.0	.3	.7	.7	.7	.3	.3
130.	*	.0	.0	.0	.1	.3	.3	.3	.4	.4	.1	.0	.0	.0	.4	.7	.7	.7	.3	.3
135.	*	.0	.0	.0	.0	.2	.1	.1	.4	.7	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4
140.	*	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.4	.1	.0	.4	.8	.8	.7	.4	.2
145.	*	.0	.0	.0	.0	.0	.0	.1	.6	.9	.8	.3	.1	.0	.5	.8	.9	.7	.6	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	.8	.4	.2	.1	.0	.5	.9	1.1	.7	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.0	.4	.2	.1	.1	.7	.9	1.1	.7	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.5	.2	.1	.1	.7	1.0	1.1	.4	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.5	.2	.1	.1	.7	.9	1.0	.4	.8
170.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.9	.5	.2	.2	.2	.8	1.0	1.0	.4	.8
175.	*	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.9	.9	.8	.4	.7
180.	*	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.7	.8	.7	.4	.7
185.	*	.2	.2	.2	.1	.0	.0	.0	.8	.9	.8	.5	.4	.2	.3	.6	.6	.6	.2	.7
190.	*	.2	.2	.2	.2	.0	.0	.0	.9	.9	.8	.5	.5	.3	.3	.5	.5	.6	.3	.6
195.	*	.2	.3	.3	.2	.0	.0	.0	.8	.9	.8	.5	.6	.4	.6	.4	.5	.5	.3	.6
200.	*	.3	.3	.3	.2	.1	.0	.0	.8	1.0	.9	.6	.4	.4	.6	.3	.4	.4	.3	.6
205.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.4	.6	.1	.3	.3	.3	.6

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JOB: PurpleLine - S10 No Bld 2015 AM

RUN: PurpleLine S10 No Bld 2015 AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.5	.7	.1	.1	.2	.4	.6
215.	*	.3	.3	.3	.3	.1	.1	.1	.9	1.0	.9	.6	.3	.7	.6	.1	.1	.2	.4	.6
220.	*	.3	.3	.3	.4	.1	.1	.1	1.0	1.0	.8	.3	.3	.7	.7	.1	.2	.2	.4	.6
225.	*	.3	.3	.3	.4	.1	.1	.1	1.0	1.1	.7	.3	.3	.6	.7	.0	.2	.2	.3	.6
230.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.1	.6	.3	.4	.6	.7	.0	.2	.2	.3	.5
235.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.0	.6	.3	.4	.7	.6	.0	.1	.2	.3	.5
240.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.1	.5	.3	.4	.7	.5	.0	.1	.2	.3	.5
245.	*	.3	.3	.3	.6	.1	.1	.1	1.0	1.1	.3	.3	.3	.7	.5	.0	.0	.2	.3	.4
250.	*	.3	.3	.3	.6	.1	.1	.1	1.1	1.2	.3	.3	.4	.7	.6	.0	.1	.2	.3	.4
255.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.4
260.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.2
265.	*	.3	.3	.3	.6	.2	.1	.1	1.3	1.1	.3	.3	.6	.7	.5	.0	.0	.1	.2	.2
270.	*	.3	.3	.3	.7	.2	.1	.1	1.3	1.1	.3	.4	.6	.7	.5	.0	.0	.1	.2	.2
275.	*	.3	.3	.3	.7	.3	.2	.1	1.3	1.1	.2	.4	.6	.7	.4	.0	.0	.1	.2	.3

280.	*	.3	.3	.3	.7	.3	.2	.1	1.2	1.1	.2	.5	.6	.6	.4	.0	.0	.1	.2	.3	.3
285.	*	.3	.3	.3	.7	.3	.2	.1	1.2	.9	.2	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
290.	*	.3	.3	.3	.7	.3	.2	.2	1.1	.9	.3	.4	.7	.6	.4	.0	.0	.1	.2	.4	.3
295.	*	.3	.3	.4	.7	.3	.2	1.1	.8	.4	.4	.4	.7	.4	.4	.0	.1	.1	.2	.4	.3
300.	*	.3	.3	.4	.5	.4	.3	.3	.8	.8	.5	.4	.6	.4	.4	.0	.1	.2	.2	.4	.4
305.	*	.3	.3	.4	.5	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.0	.0	.1	.2	.5	.4
310.	*	.3	.3	.5	.5	.2	.2	.1	.6	.6	.5	.5	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.3	.3	.6	.6	.3	.3	.2	.4	.4	.6	.4	.5	.4	.4	.0	.0	.0	.3	.4	.4
320.	*	.3	.3	.7	.5	.4	.4	.3	.4	.5	.4	.5	.5	.6	.5	.0	.0	.0	.1	.4	.4
325.	*	.3	.3	.7	.5	.3	.5	.6	.3	.3	.4	.5	.5	.6	.5	.0	.0	.0	.0	.3	.2
330.	*	.3	.4	.8	.6	.5	.6	.6	.3	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.3	.5	1.0	.5	.6	.6	.6	.1	.2	.3	.5	.6	.5	.6	.0	.0	.0	.0	.1	.1
340.	*	.3	.5	1.0	.5	.7	.6	.5	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.0
345.	*	.4	.5	.7	.4	.7	.7	.5	.0	.1	.3	.3	.5	.6	.5	.1	.0	.0	.0	.0	.0
350.	*	.4	.5	.7	.4	.6	.7	.5	.0	.0	.2	.3	.5	.5	.5	.1	.0	.1	.0	.0	.0
355.	*	.4	.5	.8	.5	.7	.7	.4	.0	.0	.0	.3	.4	.5	.3	.1	.1	.3	.0	.0	.0
360.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
-----																					
MAX	*	.4	.5	1.0	.7	.7	.7	.6	1.3	1.2	1.0	.7	.7	.7	.7	.9	1.0	1.1	.8	.8	.7
DEGR.	*	345	0	335	270	340	345	325	265	250	155	205	285	215	210	175	160	150	135	165	160

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JOB: PurpleLine - S10 No Bld 2015 AM

RUN: PurpleLine S10 No Bld 2015 AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.3	.8	.7	.5	.4	.4	.3
5.	*	.0	.3	.8	.7	.6	.5	.3	.3
10.	*	.0	.3	.8	.8	.6	.5	.5	.4
15.	*	.0	.4	.8	.9	.5	.5	.6	.5
20.	*	.0	.4	.8	1.0	.5	.6	.7	.5
25.	*	.0	.4	.7	1.0	.4	.5	.4	.6
30.	*	.0	.5	.8	.9	.5	.6	.4	.6
35.	*	.0	.5	.8	1.0	.5	.4	.5	.7
40.	*	.0	.6	.9	1.0	.6	.3	.5	.7
45.	*	.1	.7	.9	.8	.5	.3	.5	.7
50.	*	.1	.8	.9	.7	.5	.3	.7	.7
55.	*	.1	.8	.9	.7	.2	.3	.8	.7
60.	*	.0	.9	1.0	.6	.2	.3	.8	.7
65.	*	.0	1.0	1.0	.6	.2	.4	.7	.6
70.	*	.0	1.0	1.0	.5	.2	.4	.8	.6
75.	*	.0	1.0	1.0	.4	.2	.5	.8	.6
80.	*	.0	1.0	1.0	.4	.2	.5	.8	.5
85.	*	.1	1.0	1.0	.4	.3	.4	.8	.4
90.	*	.1	1.1	1.1	.4	.5	.5	.8	.4
95.	*	.2	1.1	1.0	.3	.5	.6	.8	.3
100.	*	.2	1.1	1.0	.3	.5	.6	.7	.3
105.	*	.2	.9	.8	.5	.6	.6	.6	.3
110.	*	.2	.9	.7	.5	.6	.6	.6	.3
115.	*	.2	.9	.8	.5	.4	.5	.6	.3
120.	*	.2	.9	.7	.5	.4	.6	.5	.3
125.	*	.3	.9	.6	.4	.7	.6	.4	.3
130.	*	.2	.8	.5	.4	.5	.7	.5	.3
135.	*	.3	.5	.4	.3	.5	.7	.5	.3
140.	*	.3	.4	.3	.4	.5	.5	.4	.4
145.	*	.3	.3	.2	.4	.5	.5	.4	.4
150.	*	.5	.2	.2	.4	.5	.5	.5	.4
155.	*	.5	.1	.1	.3	.5	.5	.5	.5
160.	*	.6	.1	.1	.1	.5	.3	.5	.5
165.	*	.6	.1	.1	.1	.2	.3	.3	.5
170.	*	.4	.1	.1	.1	.2	.2	.4	.4
175.	*	.4	.1	.1	.1	.2	.2	.3	.4
180.	*	.3	.0	.1	.1	.1	.2	.3	.4
185.	*	.3	.0	.0	.1	.1	.2	.2	.3
190.	*	.3	.0	.0	.0	.1	.1	.2	.3
195.	*	.3	.0	.0	.0	.0	.1	.1	.2
200.	*	.3	.0	.0	.0	.0	.0	.1	.1
205.	*	.3	.0	.0	.0	.0	.0	.0	.1

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JOB: PurpleLine - S10 No Bld 2015 AM

RUN: PurpleLine S10 No Bld 2015 AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0

230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.1	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.5	.2	.2	.0	.0	.0
330.	*	.1	.4	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.7	.6	.3	.1	.1	.0
340.	*	.0	.5	.7	.6	.4	.1	.1	.1
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.4	.7	.7	.5	.3	.1	.2
355.	*	.0	.4	.8	.7	.5	.3	.3	.2
360.	*	.0	.3	.8	.7	.5	.4	.4	.3
-----									
MAX	*	.6	1.1	1.1	1.0	.7	.7	.8	.7
DEGR.	*	160	90	90	20	125	130	55	35

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 265 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC17.

PurpleLine - S10 No Bld 2015 PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 No Bld 2015 PM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 2530 3.5 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	1865 3.5 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150	84	2.0 1865 37.8 1671 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	470 3.5 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150	119	2.0 470 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	2200 3.5 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	2200 3.5 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	1515 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	1515 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1120 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150	93	2.0 1120 37.8 1678 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	315 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150	123	2.0 315 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	1723 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	2000 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1510 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150	95	2.0 1510 37.8 1645 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	120 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150	134	2.0 120 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	2020 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	2020 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	2010 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1560 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150	89	2.0 1560 37.8 1664 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	235 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150	128	2.0 235 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	2110 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	2110 3.5 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	195	3.5	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	195	3.5	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	80	3.5	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	80	3.5	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	370	3.5	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	370	3.5	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	370	3.5	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	370	3.5	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	215	3.5	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	215	3.5	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	215	3.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 No Bld 2015 PM  
DATE: 12/20/2007 TIME: 07:56:10.59

RUN: PurpleLine S10 No Bld 2015 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1311.9	777.4	*	320.	186. AG	170.	100.0	.0	36.0	.90 16.3
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.5	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1300.8	951.2	*	160.	185. AG	161.	100.0	.0	24.0	.76 8.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.2	1563.6	*	190.	6. AG	189.	100.0	.0	36.0	.63 9.6
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1723.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1510.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1019.7	1543.4	*	297.	318. AG	193.	100.0	.0	36.0	.90 15.1
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	120.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1163.8	1418.6	*	108.	319. AG	91.	100.0	.0	12.0	.85 5.5
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2020.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2020.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1560.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1635.5	993.8	*	260.	133. AG	180.	100.0	.0	36.0	.82 13.2
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.5	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	195.	3.5	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	370.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	370.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	

JOB: PurpleLine - S10 No Bld 2015 PM  
DATE: 12/20/2007 TIME: 07:56:10.59

RUN: PurpleLine S10 No Bld 2015 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	84	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	93	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650ebTq	150	95	2.0	1510	1645	37.80	1	3
19. 0	650ebLq	150	134	2.0	120	1770	37.80	1	3
24. 0	650wbT	150	89	2.0	1560	1664	37.80	1	3
26. 0	650wbL	150	128	2.0	235	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 No Bld 2015 PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.1	1.0	1.0	.5	.7	.7	.7	.0	.0	.1	.2	.4	.5	.1	.1	.1	.0	.0	.0
5.	*	.9	.8	.7	.3	.7	.7	.6	.0	.0	.0	.1	.4	.4	.2	.3	.4	.0	.0	.0
10.	*	.5	.7	.6	.4	.7	.7	.6	.0	.0	.0	.1	.2	.4	.5	.4	.4	.2	.0	.0
15.	*	.4	.5	.4	.3	.7	.7	.5	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0
20.	*	.3	.4	.4	.4	.7	.7	.5	.0	.0	.0	.1	.1	.1	.5	.4	.4	.4	.0	.0
25.	*	.3	.4	.3	.4	.7	.6	.4	.0	.0	.0	.1	.1	.1	.5	.4	.3	.4	.0	.0
30.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.1	.1	.4	.4	.3	.5	.2	.0
35.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0	.4	.5	.4	.5	.2	.0
40.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.0
45.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.1
50.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.2	.1
55.	*	.0	.2	.2	.5	.7	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1
60.	*	.0	.1	.2	.5	.7	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.3	.1
65.	*	.0	.1	.3	.5	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
70.	*	.0	.0	.3	.5	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
75.	*	.0	.0	.3	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1
80.	*	.0	.0	.3	.5	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1
85.	*	.1	.1	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
90.	*	.1	.2	.0	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
95.	*	.1	.2	.2	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
100.	*	.1	.2	.2	.4	.7	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
105.	*	.1	.2	.2	.5	.8	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
110.	*	.0	.2	.2	.5	.5	.5	.6	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
115.	*	.0	.1	.2	.4	.5	.6	.6	.2	.2	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3
120.	*	.0	.0	.1	.4	.6	.6	.5	.3	.3	.1	.0	.0	.0	.3	.3	.8	.7	.3	.3
125.	*	.0	.0	.1	.3	.6	.5	.4	.4	.5	.3	.1	.0	.0	.3	.3	.8	.7	.3	.3
130.	*	.0	.0	.0	.2	.5	.4	.4	.4	.8	.5	.2	.0	.0	.3	.3	.8	.6	.5	.4
135.	*	.0	.0	.0	.1	.3	.3	.2	.7	.9	.7	.4	.2	.0	.3	.3	.9	.7	.5	.4
140.	*	.0	.0	.0	.0	.2	.2	.1	.8	1.0	.9	.6	.3	.0	.3	.4	.9	.8	.6	.5
145.	*	.0	.0	.0	.0	.2	.1	.1	.9	1.1	1.1	.5	.2	.1	.0	.4	.5	1.0	.8	.5
150.	*	.0	.0	.0	.0	.0	.0	.1	1.0	1.1	1.0	.5	.3	.1	.0	.4	.6	1.0	.8	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	.9	.5	.4	.1	.1	.5	.8	1.1	.8	.9
160.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.3	.2	.6	.8	1.1	.8	.9
165.	*	.1	.1	.1	.0	.0	.0	.0	1.1	1.0	.9	.5	.4	.4	.2	.5	.7	1.0	.8	1.0
170.	*	.1	.1	.2	.0	.0	.0	.0	1.1	1.0	.9	.5	.4	.4	.2	.6	.7	1.2	.6	1.0
175.	*	.1	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.4	.6	.7	.3	.6	.9	1.3	.4	.8
180.	*	.2	.3	.4	.2	.0	.0	.0	1.0	1.0	.9	.5	.5	.6	.4	.6	.9	1.0	.5	.9
185.	*	.3	.4	.7	.2	.0	.0	.0	.9	1.0	.8	.5	.7	.7	.6	.6	.6	.8	.4	.8
190.	*	.4	.6	.7	.3	.0	.0	.0	.9	.9	1.0	.6	.8	.6	.6	.2	.5	.5	.4	.8
195.	*	.4	.7	.8	.4	.0	.0	.0	.9	.9	1.1	.8	.8	.6	.9	.4	.4	.5	.3	.6
200.	*	.4	.7	.9	.5	.0	.0	.0	.9	1.0	1.0	.8	.8	.6	.7	.3	.3	.3	.4	.6
205.	*	.4	.8	1.0	.6	.2	.0	.0	.9	1.2	1.1	.7	.8	.5	.8	.2	.2	.2	.4	.6

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JOB: PurpleLine - S10 No Bld 2015 PM

RUN: PurpleLine S10 No Bld 2015 PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.4	.8	1.0	.6	.2	.0	.0	.9	1.2	1.2	.6	.5	.6	.8	.2	.2	.2	.5	.6
215.	*	.4	.9	1.0	.6	.3	.0	.0	1.0	1.2	1.1	.7	.5	.8	.8	.2	.2	.2	.5	.6
220.	*	.4	.9	1.0	.7	.3	.1	.0	1.1	1.2	1.0	.6	.5	.7	1.0	.2	.2	.2	.5	.6
225.	*	.4	.9	1.0	.7	.3	.1	.0	1.1	1.3	.8	.5	.5	.7	1.0	.2	.2	.2	.5	.6
230.	*	.3	.8	.9	.7	.3	.1	.0	1.1	1.4	.8	.5	.5	.9	1.0	.2	.2	.2	.5	.6
235.	*	.3	.8	.8	.6	.3	.2	.0	1.1	1.3	.8	.4	.4	.9	1.0	.2	.2	.2	.5	.6
240.	*	.3	.8	.8	.7	.4	.2	.0	1.1	1.3	.6	.4	.4	.9	1.0	.1	.2	.2	.5	.6
245.	*	.3	.8	.8	.7	.4	.2	.0	1.1	1.3	.5	.3	.5	.9	.9	.0	.2	.2	.4	.6
250.	*	.4	.8	.8	.7	.4	.2	.1	1.2	1.3	.5	.3	.6	.9	.9	.0	.2	.2	.4	.6
255.	*	.4	.8	.8	.7	.5	.2	.1	1.2	1.3	.5	.4	.7	.9	.9	.0	.2	.2	.4	.6
260.	*	.4	.8	.8	.7	.4	.2	.1	1.3	1.3	.5	.6	.7	.9	.9	.0	.1	.2	.4	.6
265.	*	.5	.8	.8	.7	.5	.2	.1	1.3	1.1	.5	.6	.8	.9	.9	.0	.1	.2	.4	.7
270.	*	.5	.8	.9	.7	.5	.2	.1	1.3	1.2	.5	.6	.9	1.0	1.0	.0	.1	.2	.4	.8
275.	*	.5	.8	.9	.7	.5	.3	.1	1.2	1.2	.5	.5	.9	1.0	1.0	.0	.1	.2	.4	.6

280.	*	.6	.8	.9	.7	.4	.3	.1	1.0	1.0	.5	.5	1.0	1.0	.8	.1	.1	.2	.4	.6	.4
285.	*	.6	.8	.9	.7	.4	.3	.1	1.0	.9	.7	.5	.9	.9	.7	.1	.2	.2	.4	.6	.4
290.	*	.7	.8	1.0	.7	.3	.4	.2	1.0	.8	.6	.6	.8	1.0	.7	.1	.2	.1	.4	.5	.4
295.	*	.7	.8	1.0	.7	.4	.4	.3	1.0	.8	.6	.7	.8	.9	.6	.1	.2	.2	.3	.5	.4
300.	*	.7	.8	1.0	.5	.5	.4	.3	1.0	.8	.5	.6	1.0	.8	.7	.1	.2	.2	.3	.5	.5
305.	*	.8	.8	1.0	.5	.4	.4	.2	.9	.8	.5	.7	1.0	.9	.6	.0	.1	.2	.3	.5	.5
310.	*	.8	.8	1.1	.6	.4	.2	.3	.7	.7	.4	.7	.9	.9	.6	.0	.0	.2	.3	.5	.5
315.	*	.8	.8	1.1	.6	.4	.4	.5	.7	.7	.6	.8	.9	.8	.5	.0	.0	.1	.3	.5	.4
320.	*	.8	1.0	1.2	.5	.6	.7	.6	.6	.6	.4	.7	.8	.7	.5	.0	.0	.0	.2	.5	.4
325.	*	.9	1.0	1.3	.7	.6	.7	.7	.4	.4	.3	.6	.8	.7	.5	.0	.0	.0	.1	.4	.4
330.	*	1.0	1.2	1.4	.7	.9	.7	.7	.4	.3	.3	.6	.7	.7	.5	.0	.0	.0	.0	.3	.2
335.	*	1.1	1.2	1.4	.5	.8	.8	.7	.1	.3	.3	.6	.7	.6	.5	.0	.0	.0	.0	.1	.2
340.	*	1.2	1.3	1.4	.5	.9	.8	.9	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.2	1.3	1.4	.5	.8	.9	.8	.1	.2	.3	.4	.6	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.1	1.2	1.2	.6	.8	.9	.6	.0	.1	.3	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0
355.	*	1.1	1.1	1.2	.6	.8	.8	.7	.0	.1	.2	.4	.5	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.0	1.0	.5	.7	.7	.7	.0	.0	.1	.2	.4	.5	.5	.1	.1	.1	.0	.0	.0
-----																					
MAX	*	1.2	1.3	1.4	.7	.9	.9	.9	1.3	1.4	1.2	.8	1.0	1.0	1.0	.6	.9	1.3	.8	1.0	.8
DEGR.	*	340	340	330	220	330	345	340	260	230	210	195	300	270	220	160	175	175	140	165	160

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JOB: PurpleLine - S10 No Bld 2015 PM

RUN: PurpleLine S10 No Bld 2015 PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.8	.9	.8	.4	.4	.4	.3
5.	.0	.7	.8	.8	.4	.5	.4	.3
10.	.0	.7	.8	.8	.4	.6	.5	.4
15.	.0	.7	.7	.8	.6	.7	.4	.4
20.	.0	.7	.7	1.0	.7	.7	.4	.5
25.	.0	.7	.7	1.0	.6	.7	.3	.6
30.	.0	.7	.9	.9	.6	.4	.5	.6
35.	.0	.7	1.0	.9	.6	.2	.6	.7
40.	.0	.8	1.1	1.1	.4	.2	.5	.8
45.	.0	.9	1.1	1.0	.4	.3	.5	1.0
50.	.0	.9	1.1	.8	.4	.3	.6	1.0
55.	.0	.9	1.1	.7	.4	.3	.8	1.0
60.	.0	.9	1.0	.5	.4	.3	.8	.9
65.	.1	.9	1.0	.5	.3	.4	.8	.9
70.	.1	.9	1.0	.3	.3	.4	.9	.9
75.	.1	1.0	1.0	.3	.4	.5	.9	.9
80.	.1	1.0	1.0	.3	.4	.5	.9	.9
85.	.1	1.0	1.1	.3	.3	.5	1.0	.8
90.	.1	1.0	1.1	.3	.4	.6	1.0	.6
95.	.1	1.2	1.0	.4	.5	.8	1.0	.6
100.	.2	1.3	.9	.4	.5	.8	.9	.7
105.	.2	1.3	.9	.6	.5	.7	.7	.8
110.	.2	1.1	.8	.6	.6	.7	.9	.7
115.	.2	1.0	.9	.6	.6	.9	.9	.6
120.	.3	1.0	.9	.6	.9	.8	.8	.5
125.	.2	.9	.8	.7	.8	.7	.8	.5
130.	.2	.7	.6	.6	.7	.6	.7	.5
135.	.3	.5	.6	.5	.5	.6	.7	.5
140.	.5	.3	.6	.6	.5	.6	.7	.5
145.	.4	.4	.4	.4	.6	.6	.6	.5
150.	.5	.4	.4	.4	.6	.7	.6	.5
155.	.6	.2	.4	.4	.6	.7	.6	.5
160.	.6	.2	.3	.4	.4	.6	.5	.4
165.	.7	.1	.3	.4	.4	.5	.4	.5
170.	.7	.0	.1	.3	.3	.4	.4	.5
175.	.7	.0	.1	.1	.3	.4	.4	.4
180.	.7	.0	.0	.1	.1	.2	.3	.4
185.	.7	.0	.0	.0	.1	.1	.2	.2
190.	.6	.0	.0	.0	.0	.1	.1	.2
195.	.5	.0	.0	.0	.0	.0	.1	.1
200.	.5	.0	.0	.0	.0	.0	.0	.1
205.	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine - S10 No Bld 2015 PM

RUN: PurpleLine S10 No Bld 2015 PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.4	.0	.0	.0	.0	.0	.0	.0
215.	.4	.0	.0	.0	.0	.0	.0	.0
220.	.4	.0	.0	.0	.0	.0	.0	.0
225.	.4	.0	.0	.0	.0	.0	.0	.0



230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.5	.1	.1	.0	.0	.0	.0	.0
310.	*	.5	.2	.2	.1	.0	.0	.0	.0
315.	*	.4	.2	.3	.2	.1	.0	.0	.0
320.	*	.4	.5	.5	.3	.2	.0	.0	.0
325.	*	.4	.6	.6	.5	.2	.2	.0	.0
330.	*	.2	.7	.8	.6	.5	.2	.2	.0
335.	*	.1	.9	1.0	.7	.5	.2	.2	.1
340.	*	.0	1.0	1.0	.8	.6	.4	.1	.1
345.	*	.0	.9	1.0	.7	.5	.4	.2	.1
350.	*	.0	.8	.9	.7	.4	.4	.2	.1
355.	*	.0	.8	.9	.7	.4	.3	.3	.3
360.	*	.0	.8	.9	.8	.4	.4	.4	.3
-----									
MAX	*	.7	1.3	1.1	1.1	.9	.9	1.0	1.0
DEGR.	*	165	100	40	40	120	115	85	45

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 330 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 230 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 340 DEGREES FROM REC2 .

PurpleLine	-	S10	LOWBRT	2015	AM	60.0321	0.0000	0.000280	30480000	1	1	
SE MID S				1341.		775.	5.0					
SE 164 S				1349.		856.	5.0					
SE 82 S				1357.		938.	5.0					
SE CNR				1401.		1043.	5.0					
SE 82 E				1501.		999.	5.0					
SE 164 E				1562.		944.	5.0					
SE MID E				1623.		890.	5.0					
NE MID E				1582.		1083.	5.0					
NE 164 E				1521.		1138.	5.0					
NE 82 E				1466.		1200.	5.0					
NE CNR				1422.		1281.	5.0					
NE 82 N				1402.		1367.	5.0					
NE 164 N				1402.		1449.	5.0					
NE MID N				1409.		1531.	5.0					
NW MID N				1317.		1719.	5.0					
NW 164 N				1310.		1638.	5.0					
NW 82 N				1302.		1555.	5.0					
NW CNR				1267.		1462.	5.0					
NW 82 W				1178.		1495.	5.0					
NW 164 W				1126.		1560.	5.0					
NW MIDW				1075.		1624.	5.0					
SW MID W				1077.		1426.	5.0					
SW 164 W				1130.		1360.	5.0					
SW 82 W				1172.		1284.	5.0					
SW CNR				1206.		1204.	5.0					
SW 82 S				1226.		1123.	5.0					
SW 164 S				1237.		1038.	5.0					
SW MID S				1237.		955.	5.0					
PurpleLine	S10	LOWBRT	2015	AM	52	1	0					
0		650nbAP	AG	1236.	15.	1271.	361.	1170	3.5	0	56	30.
0		650nbT	AG	1271.	361.	1355.	1221.	835	3.5	0	56	30.
0		650nbTq	AG	1343.	1096.	1304.	697.	0.	36	3		
0	150		83	2.0	835	37.8	1675	1	3			
0		650nbL	AG	1247.	388.	1329.	1246.	265	3.5	0	44	30.
0		650nbLq	AG	1316.	1110.	1277.	702.	0.	24	2		
0	150		127	2.0	265	37.8	1717	1	3			
0		650nbD	AG	1356.	1220.	1420.	2001.	1165	3.5	0	56	30.
0		650nbD	AG	1420.	2001.	1507.	2421.	1165	3.5	0	56	30.
0		650sbAP	AG	1463.	2422.	1386.	2066.	2350	3.5	0	56	30.
0		650sbAP	AG	1386.	2066.	1350.	1713.	2350	3.5	0	56	30.
0		650sbT	AG	1351.	1713.	1306.	1295.	1980	3.5	0	56	30.
0		650sbTq	AG	1315.	1375.	1349.	1693.	0.	36	3		
0	150		78	2.0	1980	37.8	1673	1	3			
0		650sbL	AG	1372.	1706.	1331.	1273.	185	3.5	0	32	30.
0		650sbLq	AG	1338.	1348.	1370.	1691.	0.	12	1		
0	150		122	2.0	185	37.8	1770	1	3			
0		650sbD	AG	1306.	1294.	1178.	15.	2635	3.5	0	56	30.
0		193ebAP	AG	355.	2423.	1060.	1499.	1520	3.5	0	56	30.
0		193ebT	AG	1061.	1498.	1305.	1226.	960				

0		650nbR	AG	1297.	505.	1350.	1048.	70	3.5	0	32	30.
1												
0		650nbR	AG	1350.	1048.	1448.	1090.	70	3.5	0	32	30.
1												
0		650sbR	AG	1334.	1706.	1311.	1458.	185	3.5	0	32	30.
1												
0		650sbR	AG	1311.	1458.	1212.	1415.	185	3.5	0	32	30.
1												
0		193ebR	AG	1052.	1487.	1147.	1372.	470	3.5	0	32	30.
1												
0		193ebR	AG	1147.	1372.	1219.	1224.	470	3.5	0	32	30.
1												
0		193ebR	AG	1219.	1224.	1247.	1117.	470	3.5	0	32	30.
1												
0		193ebR	AG	1247.	1117.	1269.	958.	470	3.5	0	32	30.
1												
0		193wbR	AG	1666.	987.	1450.	1178.	240	3.5	0	32	30.
1												
0		193wbR	AG	1450.	1178.	1402.	1274.	240	3.5	0	32	30.
1												
0		193wbR	AG	1402.	1274.	1371.	1385.	240	3.5	0	32	30.
1												
0		BRTeb	AG	339.	2424.	992.	1562.	34	2.0	0	32	30.
1												
0		BRTeb	AG	992.	1562.	1123.	1405.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1123.	1405.	1292.	1225.	34	2.0	0	32	30.
2												
0		BRTeb	AG	1210.	1312.	1124.	1403.	0.	12	1		
150		101		2.0	34	10.1	1770	1	3			
1												
0		BRTeb	AG	1292.	1223.	1579.	953.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1579.	953.	1789.	780.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1789.	780.	2728.	63.	34	2.0	0	32	30.
1												
0		BRTwb	AG	2730.	173.	1701.	956.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1701.	956.	1356.	1262.	34	2.0	0	32	30.
2												
0		BRTwb	AG	1453.	1176.	1634.	1015.	0.	12	1		
150		95		2.0	34	10.1	1611	1	3			
1												
0		BRTwb	AG	1356.	1261.	1136.	1520.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1136.	1520.	1006.	1680.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1006.	1680.	449.	2422.	34	2.0	0	32	30.
1.0	04	1000	OY	5	0	72						

JOB: PurpleLine - S10 LOWBRT 2015 AM  
DATE: 12/20/2007 TIME: 07:58:00.60

RUN: PurpleLine S10 LOWBRT 2015 AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.7	970.4	*	126.	186. AG	168.	100.0	.0	36.0	.40 6.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1307.3	1018.7	*	92.	185. AG	172.	100.0	.0	24.0	.61 4.7
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1347.0	1674.0	*	301.	6. AG	158.	100.0	.0	36.0	.87 15.3
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.5	1470.9	*	123.	5. AG	82.	100.0	.0	12.0	.65 6.3
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	960.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1100.1	1453.6	*	177.	318. AG	205.	100.0	.0	36.0	.66 9.0
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	90.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1184.6	1395.1	*	76.	319. AG	92.	100.0	.0	12.0	.76 3.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1215.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1215.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	70.	3.5	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	470.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	470.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	
40. 0	BRTeb	339.0	2424.0	992.0	1562.0	*	1081.	143. AG	34.	2.0	.0	32.0	
41. 0	BRTeb	992.0	1562.0	1123.0	1405.0	*	204.	140. AG	34.	2.0	.0	32.0	
42. 0	BRTeb	1123.0	1405.0	1292.0	1225.0	*	247.	137. AG	34.	2.0	.0	32.0	
43. 0	BRTeb	1210.0	1312.0	1197.1	1325.6	*	19.	317. AG	18.	100.0	.0	12.0	.06 1.0
44. 0	BRTeb	1292.0	1223.0	1579.0	953.0	*	394.	133. AG	34.	2.0	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2015 AM  
DATE: 12/20/2007 TIME: 07:58:00.60

RUN: PurpleLine S10 LOWBRT 2015 AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTeb	1579.0	953.0	1789.0	780.0	*	272.	129. AG	34.	2.0	.0	32.0	
46. 0	BRTeb	1789.0	780.0	2728.0	63.0	*	1181.	127. AG	34.	2.0	.0	32.0	
47. 0	BRTwb	2730.0	173.0	1701.0	956.0	*	1293.	307. AG	34.	2.0	.0	32.0	
48. 0	BRTwb	1701.0	956.0	1356.0	1262.0	*	461.	312. AG	34.	2.0	.0	32.0	
49. 0	BRTwb	1453.0	1176.0	1466.2	1164.3	*	18.	132. AG	17.	100.0	.0	12.0	.06 .9
50. 0	BRTwb	1356.0	1261.0	1136.0	1520.0	*	340.	320. AG	34.	2.0	.0	32.0	
51. 0	BRTwb	1136.0	1520.0	1006.0	1680.0	*	206.	321. AG	34.	2.0	.0	32.0	
52. 0	BRTwb	1006.0	1680.0	449.0	2422.0	*	928.	323. AG	34.	2.0	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2015 AM  
DATE: 12/20/2007 TIME: 07:58:00.60

RUN: PurpleLine S10 LOWBRT 2015 AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	83	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650sbTq	150	78	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	122	2.0	185	1770	37.80	1	3
17. 0	650ebTq	150	101	2.0	960	1612	37.80	1	3
19. 0	650ebLq	150	136	2.0	90	1770	37.80	1	3

24. 0	650wbT	*	150	95	2.0	1260	1654	37.80	1	3
26. 0	650wbL	*	150	130	2.0	185	1770	37.80	1	3
43. 0	BRTeb	*	150	101	2.0	34	1770	10.10	1	3
49. 0	BRTwb	*	150	95	2.0	34	1611	10.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWBRT 2015 AM

RUN: PurpleLine S10 LOWBRT 2015 AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.3	.5	.7	.4	.6	.6	.4	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5. *	.3	.3	.3	.3	.6	.6	.3	.0	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10. *	.2	.2	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.1	.3	.3	.5	.3	.0	.0
15. *	.3	.3	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.1	.3	.4	.7	.4	.0	.0
20. *	.1	.1	.2	.4	.6	.4	.2	.0	.0	.0	.0	.1	.1	.1	.4	.6	.8	.5	.1	.0
25. *	.1	.1	.1	.4	.6	.4	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.6	.1	.0	.0
30. *	.1	.1	.1	.5	.6	.3	.2	.0	.0	.0	.0	.0	.0	.4	.6	1.0	.6	.1	.1	.1
35. *	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	.1
40. *	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	.1
45. *	.1	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.9	.6	.2	.1	.1
50. *	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	.0
55. *	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	.0
60. *	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.8	.6	.2	.1	.1
65. *	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.1	.1
70. *	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.2
75. *	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.2
80. *	.0	.0	.0	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.2
85. *	.0	.0	.0	.5	.3	.2	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.2
90. *	.0	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	.2
95. *	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	.2
100. *	.0	.0	.1	.2	.4	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.2
105. *	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.2
110. *	.0	.0	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2	.2
115. *	.0	.0	.1	.3	.3	.4	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.2
120. *	.0	.0	.0	.3	.3	.4	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3	.3
125. *	.0	.0	.0	.2	.3	.4	.3	.2	.4	.3	.0	.0	.0	.4	.7	.7	.7	.3	.3	.3
130. *	.0	.0	.0	.1	.3	.3	.3	.4	.4	.4	.1	.0	.0	.4	.7	.8	.7	.3	.3	.3
135. *	.0	.0	.0	.0	.2	.1	.1	.4	.7	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4	.2
140. *	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.4	.1	.0	.5	.8	.8	.8	.4	.2	.2
145. *	.0	.0	.0	.0	.0	.0	.1	.6	.9	.8	.3	.1	.0	.5	.8	.9	.7	.6	.4	.4
150. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	.8	.4	.2	.1	.6	.9	1.1	.7	.5	.5	.5
155. *	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.0	.4	.2	.1	.1	.7	.9	1.1	.7	.5	.6
160. *	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.5	.2	.1	.1	.8	1.0	1.1	.4	.6	.7
165. *	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.5	.2	.1	.1	.8	.9	1.0	.4	.8	.7
170. *	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.9	.5	.2	.2	.2	.8	1.0	1.1	.4	.8	.7
175. *	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.9	.9	.9	.4	.7	.6
180. *	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.3	.2	.2	.8	.8	.7	.4	.7	.6
185. *	.2	.2	.2	.1	.0	.0	.0	.8	.9	.8	.5	.4	.2	.3	.6	.6	.6	.2	.7	.5
190. *	.2	.2	.2	.2	.0	.0	.0	.9	.9	.8	.5	.5	.3	.3	.5	.5	.6	.3	.6	.5

195.	*	.2	.3	.3	.2	.0	.0	.0	.8	.9	.8	.5	.6	.4	.6	.4	.5	.5	.3	.6	.4
200.	*	.3	.3	.3	.2	.1	.0	.0	.8	1.0	.9	.6	.3	.4	.6	.3	.4	.4	.3	.6	.4
205.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.4	.6	.1	.3	.3	.3	.6	.3

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JOB: PurpleLine - S10 LOWBRT 2015 AM

RUN: PurpleLine S10 LOWBRT 2015 AM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.5	.7	.1	.1	.2	.4	.6	.2
215.	*	.3	.3	.3	.3	.1	.1	.1	.9	1.0	.9	.6	.3	.7	.6	.1	.1	.2	.4	.6	.2
220.	*	.3	.3	.3	.3	.1	.1	.1	1.0	1.0	.8	.3	.3	.7	.7	.1	.2	.2	.4	.6	.2
225.	*	.3	.3	.3	.4	.1	.1	.1	1.0	1.1	.7	.3	.3	.6	.7	.0	.2	.2	.3	.6	.2
230.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.1	.6	.3	.4	.6	.7	.0	.2	.2	.3	.5	.2
235.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.3	.4	.7	.7	.0	.1	.2	.3	.5	.3
240.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.1	.5	.3	.4	.7	.6	.0	.1	.2	.3	.5	.3
245.	*	.3	.3	.3	.6	.1	.1	.1	1.0	1.1	.3	.3	.3	.7	.5	.0	.0	.2	.3	.4	.3
250.	*	.3	.3	.3	.6	.1	.1	.1	1.1	1.2	.3	.3	.4	.7	.6	.0	.1	.2	.3	.4	.3
255.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.4	.3
260.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.2	.3
265.	*	.3	.3	.3	.6	.2	.1	.1	1.3	1.1	.3	.3	.6	.7	.5	.0	.0	.1	.2	.2	.3
270.	*	.3	.3	.3	.7	.2	.1	.1	1.3	1.1	.3	.4	.6	.7	.5	.0	.0	.1	.2	.2	.3
275.	*	.3	.3	.3	.7	.3	.2	.1	1.3	1.1	.2	.4	.6	.7	.4	.0	.0	.1	.2	.3	.3
280.	*	.3	.3	.3	.7	.3	.2	.1	1.2	1.1	.2	.5	.6	.6	.4	.0	.0	.1	.2	.3	.3
285.	*	.3	.3	.3	.7	.3	.2	.1	1.2	.9	.2	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
290.	*	.3	.3	.3	.7	.3	.2	.2	1.1	.9	.3	.4	.7	.6	.4	.0	.0	.1	.2	.4	.3
295.	*	.3	.3	.4	.7	.3	.3	.2	1.1	.8	.4	.4	.7	.4	.4	.0	.1	.1	.2	.4	.3
300.	*	.3	.3	.4	.5	.4	.3	.3	.8	.8	.5	.4	.6	.4	.4	.0	.1	.2	.2	.4	.4
305.	*	.3	.3	.4	.5	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.0	.0	.1	.2	.5	.4
310.	*	.3	.3	.4	.5	.2	.2	.1	.6	.6	.5	.5	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.3	.3	.6	.5	.3	.3	.2	.4	.4	.6	.5	.5	.5	.4	.0	.0	.0	.3	.4	.4
320.	*	.3	.3	.6	.5	.4	.4	.3	.4	.5	.4	.5	.5	.6	.5	.0	.0	.0	.1	.4	.4
325.	*	.3	.3	.7	.5	.3	.5	.6	.3	.3	.4	.5	.5	.6	.5	.0	.0	.0	.0	.3	.2
330.	*	.3	.3	.8	.6	.5	.6	.6	.3	.3	.5	.6	.5	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.3	.5	1.0	.5	.6	.6	.6	.1	.2	.3	.5	.6	.5	.6	.0	.0	.0	.0	.1	.1
340.	*	.3	.5	1.0	.5	.7	.7	.5	.1	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.0
345.	*	.4	.5	.7	.4	.7	.7	.5	.0	.1	.3	.4	.5	.6	.5	.1	.0	.0	.0	.0	.0
350.	*	.4	.5	.8	.4	.7	.7	.5	.0	.0	.2	.3	.5	.5	.5	.1	.0	.1	.0	.0	.0
355.	*	.4	.5	.8	.5	.7	.7	.4	.0	.0	.0	.3	.4	.5	.3	.1	.1	.3	.0	.0	.0
360.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
MAX	*	.4	.5	1.0	.7	.7	.7	.6	1.3	1.2	1.0	.7	.7	.7	.7	.9	1.0	1.1	.8	.8	.7
DEGR.	*	345	0	335	270	340	340	325	265	250	155	205	285	215	210	175	160	150	135	165	160

1

JOB: PurpleLine - S10 LOWBRT 2015 AM

RUN: PurpleLine S10 LOWBRT 2015 AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE *	(PPM)								
(DEGR)*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28								
0.	*	.0	.3	.8	.7	.5	.4	.4	.3
5.	*	.0	.3	.8	.7	.6	.5	.3	.3
10.	*	.0	.3	.8	.8	.6	.5	.5	.4
15.	*	.0	.4	.8	.9	.5	.5	.6	.5
20.	*	.0	.4	.8	1.0	.5	.6	.7	.5
25.	*	.0	.4	.7	1.0	.4	.5	.4	.6
30.	*	.0	.5	.8	.9	.5	.6	.4	.6
35.	*	.0	.5	.8	1.0	.5	.4	.5	.7
40.	*	.0	.6	.9	1.0	.6	.3	.5	.7
45.	*	.1	.7	.9	.8	.5	.3	.5	.7
50.	*	.1	.8	.9	.7	.5	.3	.7	.7
55.	*	.1	.8	.9	.7	.2	.3	.8	.7
60.	*	.0	.9	1.0	.6	.2	.3	.8	.7
65.	*	.0	1.0	1.0	.6	.2	.4	.7	.6
70.	*	.0	1.0	1.0	.5	.2	.4	.8	.6
75.	*	.0	1.0	1.0	.4	.2	.5	.8	.5
80.	*	.1	1.0	1.0	.4	.2	.5	.8	.5
85.	*	.1	1.0	1.0	.4	.3	.4	.8	.4
90.	*	.1	1.1	1.1	.4	.5	.5	.8	.4
95.	*	.2	1.1	1.0	.3	.5	.6	.8	.3
100.	*	.2	1.1	1.0	.3	.5	.6	.7	.3
105.	*	.2	.9	.8	.5	.6	.6	.6	.3
110.	*	.2	.9	.7	.5	.6	.6	.6	.3
115.	*	.2	.9	.8	.5	.4	.5	.6	.3
120.	*	.2	.9	.7	.5	.4	.6	.4	.3
125.	*	.3	.9	.6	.4	.7	.6	.4	.3
130.	*	.2	.8	.5	.4	.5	.7	.5	.3
135.	*	.3	.5	.4	.3	.5	.7	.5	.3
140.	*	.3	.4	.3	.4	.5	.5	.4	.4
145.	*	.3	.3	.2	.4	.5	.5	.4	.4
150.	*	.5	.2	.2	.4	.5	.5	.5	.4

155.	*	.5	.1	.1	.3	.5	.5	.5	.5
160.	*	.6	.1	.1	.1	.5	.3	.5	.5
165.	*	.6	.1	.1	.1	.2	.3	.3	.5
170.	*	.4	.1	.1	.1	.2	.2	.4	.4
175.	*	.4	.1	.1	.1	.2	.2	.3	.4
180.	*	.3	.0	.1	.1	.1	.2	.3	.4
185.	*	.3	.0	.0	.1	.1	.2	.2	.3
190.	*	.3	.0	.0	.0	.1	.1	.2	.3
195.	*	.3	.0	.0	.0	.0	.1	.1	.2
200.	*	.3	.0	.0	.0	.0	.0	.1	.1
205.	*	.3	.0	.0	.0	.0	.0	.0	.1

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JOB: PurpleLine - S10 LOWBRT 2015 AM

RUN: PurpleLine S10 LOWBRT 2015 AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.1	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.5	.2	.2	.0	.0	.0
330.	*	.1	.4	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.7	.6	.3	.1	.1	.0
340.	*	.0	.5	.7	.6	.4	.1	.1	.1
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.4	.7	.7	.5	.3	.1	.2
355.	*	.0	.4	.8	.7	.5	.3	.3	.2
360.	*	.0	.3	.8	.7	.5	.4	.4	.3

MAX	*	.6	1.1	1.1	1.0	.7	.7	.8	.7
DEGR.	*	160	90	90	20	125	130	55	35

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 265 DEGREES FROM REC8 .  
THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC9 .  
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC17.

PurpleLine - S10 LOWBRT 2015 PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 LOWBRT 2015 PM	52	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 2530 3.7 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	1865 3.7 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150		2.0 1865 37.8 1671 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	470 3.7 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150		2.0 470 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	2200 3.7 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	2200 3.7 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	1515 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	1515 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1120 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150		2.0 1120 37.8 1678 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	315 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150		2.0 315 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	1725 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	2000 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1510 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150		2.0 1510 37.8 1645 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	370 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150		2.0 370 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	2020 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	2020 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	2010 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	995 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150		2.0 995 37.8 1664 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	235 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150		2.0 235 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	2110 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	2110 3.5 0 56 30.
1			



0		650nbR	AG	1297.	505.	1350.	1048.	195	3.7	0	32	30.
1												
0		650nbR	AG	1350.	1048.	1448.	1090.	195	3.7	0	32	30.
1												
0		650sbR	AG	1334.	1706.	1311.	1458.	80	3.5	0	32	30.
1												
0		650sbR	AG	1311.	1458.	1212.	1415.	80	3.5	0	32	30.
1												
0		193ebR	AG	1052.	1487.	1147.	1372.	370	3.5	0	32	30.
1												
0		193ebR	AG	1147.	1372.	1219.	1224.	370	3.5	0	32	30.
1												
0		193ebR	AG	1219.	1224.	1247.	1117.	370	3.5	0	32	30.
1												
0		193ebR	AG	1247.	1117.	1269.	958.	370	3.5	0	32	30.
1												
0		193wbR	AG	1666.	987.	1450.	1178.	215	3.5	0	32	30.
1												
0		193wbR	AG	1450.	1178.	1402.	1274.	215	3.5	0	32	30.
1												
0		193wbR	AG	1402.	1274.	1371.	1385.	215	3.5	0	32	30.
1												
0		BRTeb	AG	339.	2424.	992.	1562.	34	2.0	0	32	30.
1												
0		BRTeb	AG	992.	1562.	1123.	1405.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1123.	1405.	1292.	1225.	34	2.0	0	32	30.
2												
0		BRTeb	AG	1210.	1312.	1124.	1403.	0.	12	1		
1	150	95		2.0	34	10.1	1770	1	3			
0		BRTeb	AG	1292.	1223.	1579.	953.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1579.	953.	1789.	780.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1789.	780.	2728.	63.	34	2.0	0	32	30.
1												
0		BRTwb	AG	2730.	173.	1701.	956.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1701.	956.	1356.	1262.	34	2.0	0	32	30.
2												
0		BRTwb	AG	1453.	1176.	1634.	1015.	0.	12	1		
1	150	89		2.0	34	10.1	1611	1	3			
0		BRTwb	AG	1356.	1261.	1136.	1520.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1136.	1520.	1006.	1680.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1006.	1680.	449.	2422.	34	2.0	0	32	30.
1.0	04	1000	OY	5	0	72						

JOB: PurpleLine - S10 LOWBRT 2015 PM  
DATE: 12/20/2007 TIME: 07:58:19.72

RUN: PurpleLine S10 LOWBRT 2015 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.7	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.7	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1301.9	675.6	*	422.	186. AG	183.	100.0	.0	36.0	1.00 21.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.7	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1300.8	951.2	*	160.	185. AG	161.	100.0	.0	24.0	.76 8.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.7	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.7	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.4	1565.6	*	192.	6. AG	191.	100.0	.0	36.0	.64 9.7
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1725.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1510.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1019.7	1543.4	*	297.	318. AG	193.	100.0	.0	36.0	.90 15.1
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	370.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	-536.7	3344.4	*	2677.	319. AG	91.	100.0	.0	12.0	2.62 136.0
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2020.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2020.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	995.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1562.5	1060.9	*	161.	133. AG	180.	100.0	.0	36.0	.52 8.2
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.7	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	195.	3.7	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	370.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	370.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	
40. 0	BRTeb	339.0	2424.0	992.0	1562.0	*	1081.	143. AG	34.	2.0	.0	32.0	
41. 0	BRTeb	992.0	1562.0	1123.0	1405.0	*	204.	140. AG	34.	2.0	.0	32.0	
42. 0	BRTeb	1123.0	1405.0	1292.0	1225.0	*	247.	137. AG	34.	2.0	.0	32.0	
43. 0	BRTeb	1210.0	1312.0	1197.9	1324.8	*	18.	317. AG	17.	100.0	.0	12.0	.06 .9
44. 0	BRTeb	1292.0	1223.0	1579.0	953.0	*	394.	133. AG	34.	2.0	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2015 PM  
DATE: 12/20/2007 TIME: 07:58:19.72

RUN: PurpleLine S10 LOWBRT 2015 PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTeb	1579.0	953.0	1789.0	780.0	*	272.	129. AG	34.	2.0	.0	32.0	
46. 0	BRTeb	1789.0	780.0	2728.0	63.0	*	1181.	127. AG	34.	2.0	.0	32.0	
47. 0	BRTwb	2730.0	173.0	1701.0	956.0	*	1293.	307. AG	34.	2.0	.0	32.0	
48. 0	BRTwb	1701.0	956.0	1356.0	1262.0	*	461.	312. AG	34.	2.0	.0	32.0	
49. 0	BRTwb	1453.0	1176.0	1465.4	1165.0	*	17.	132. AG	16.	100.0	.0	12.0	.06 .8
50. 0	BRTwb	1356.0	1261.0	1136.0	1520.0	*	340.	320. AG	34.	2.0	.0	32.0	
51. 0	BRTwb	1136.0	1520.0	1006.0	1680.0	*	206.	321. AG	34.	2.0	.0	32.0	
52. 0	BRTwb	1006.0	1680.0	449.0	2422.0	*	928.	323. AG	34.	2.0	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2015 PM  
DATE: 12/20/2007 TIME: 07:58:19.72

RUN: PurpleLine S10 LOWBRT 2015 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	94	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650ebTq	150	95	2.0	1510	1645	37.80	1	3
19. 0	650ebLq	150	134	2.0	370	1770	37.80	1	3

24. 0	650wbT	*	150	89	2.0	995	1664	37.80	1	3
26. 0	650wbL	*	150	128	2.0	235	1770	37.80	1	3
43. 0	BRTeb	*	150	95	2.0	34	1770	10.10	1	3
49. 0	BRTwb	*	150	89	2.0	34	1611	10.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWBRT 2015 PM

RUN: PurpleLine S10 LOWBRT 2015 PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.1	1.1	1.1	.4	.7	.5	.5	.0	.0	.1	.3	.4	.5	.5	.1	.1	.1	.0	.0	.0
5. *	.9	1.0	.7	.2	.7	.5	.5	.0	.0	.0	.1	.4	.5	.4	.2	.3	.4	.0	.0	.0
10. *	.5	.7	.6	.3	.7	.5	.5	.0	.0	.0	.1	.2	.4	.4	.5	.4	.4	.2	.0	.0
15. *	.4	.5	.4	.2	.7	.5	.4	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0	.0
20. *	.3	.4	.4	.3	.6	.4	.4	.0	.0	.0	.1	.2	.1	.5	.4	.4	.4	.0	.0	.0
25. *	.3	.4	.3	.3	.6	.4	.3	.0	.0	.0	.1	.1	.1	.5	.4	.3	.5	.0	.0	.0
30. *	.2	.2	.2	.4	.6	.4	.3	.0	.0	.0	.0	.1	.1	.4	.5	.4	.5	.2	.0	.0
35. *	.1	.2	.2	.4	.6	.4	.3	.0	.0	.0	.0	.1	.1	.4	.5	.4	.6	.2	.0	.0
40. *	.0	.2	.2	.4	.6	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1	.1
45. *	.0	.2	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1	.1
50. *	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1	.1
55. *	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1	.1
60. *	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.4	.3	.5	.7	.3	.1	.1
65. *	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1	.1
70. *	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1	.1
75. *	.0	.0	.2	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1	.1
80. *	.0	.0	.2	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1	.1
85. *	.1	.1	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2	.2
90. *	.1	.2	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2	.2
95. *	.1	.2	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.2	.2
100. *	.1	.2	.2	.2	.5	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2	.2
105. *	.1	.2	.2	.3	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2	.2
110. *	.0	.2	.2	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2	.2
115. *	.0	.1	.2	.4	.5	.6	.6	.1	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3	.3
120. *	.0	.0	.1	.4	.6	.6	.5	.1	.2	.0	.0	.0	.0	.3	.3	.8	.7	.3	.3	.3
125. *	.0	.0	.1	.3	.6	.5	.4	.3	.4	.2	.0	.0	.0	.3	.3	.8	.7	.3	.3	.3
130. *	.0	.0	.0	.2	.5	.4	.4	.3	.5	.4	.2	.0	.0	.3	.3	.8	.6	.4	.4	.4
135. *	.0	.0	.0	.1	.3	.3	.2	.4	.6	.6	.3	.1	.0	.4	.4	1.0	.6	.4	.4	.4
140. *	.0	.0	.0	.0	.2	.2	.1	.4	.7	.7	.5	.2	.0	.4	.5	1.0	.7	.5	.4	.4
145. *	.0	.0	.0	.0	.2	.1	.1	.4	.9	.9	.5	.2	.0	.4	.5	1.0	.7	.4	.4	.4
150. *	.0	.0	.0	.0	.0	.0	.1	.4	.9	.8	.5	.2	.0	.4	.6	1.0	.7	.4	.6	.6
155. *	.0	.0	.0	.0	.0	.0	.0	.3	1.0	.8	.5	.3	.2	.1	.5	.7	1.1	.6	1.0	.7
160. *	.0	.0	.0	.0	.0	.0	.0	.4	.8	.8	.5	.4	.2	.1	.6	.8	1.0	.8	.9	.9
165. *	.1	.1	.2	.0	.0	.0	.0	.4	.8	.8	.5	.4	.3	.2	.6	.7	1.0	.8	1.0	.9
170. *	.1	.2	.2	.0	.0	.0	.0	.4	.9	.8	.4	.4	.3	.2	.6	.8	1.2	.6	1.0	1.0
175. *	.2	.2	.4	.0	.0	.0	.0	.3	.9	.8	.5	.6	.6	.3	.7	1.0	1.3	.4	.9	.8
180. *	.3	.4	.5	.2	.0	.0	.0	.3	.9	.8	.5	.4	.5	.5	.7	.9	1.0	.5	.9	.8
185. *	.6	.7	.8	.2	.0	.0	.0	.3	.9	.8	.5	.6	.7	.6	.7	.8	.8	.5	.8	.8
190. *	.7	.8	.9	.4	.0	.0	.0	.3	.8	.9	.7	.7	.6	.7	.2	.5	.6	.4	.8	.8

195.	*	.8	.9	1.0	.5	.0	.0	.0	.4	.8	1.0	.8	.7	.7	.9	.4	.4	.5	.3	.7	.7
200.	*	.8	1.0	1.0	.6	.1	.0	.0	.4	1.0	1.1	.8	.8	.7	.8	.3	.3	.3	.4	.7	.7
205.	*	.9	1.0	1.1	.7	.3	.0	.0	.4	1.1	1.0	.8	.7	.6	.8	.2	.2	.2	.4	.7	.7

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JOB: PurpleLine - S10 LOWBRT 2015 PM

RUN: PurpleLine S10 LOWBRT 2015 PM

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WIND	*	CONCENTRATION																			
ANGLE	*	(PPM)																			
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.9	1.0	1.1	.7	.3	.0	.0	.7	1.1	1.1	.6	.5	.7	.9	.2	.2	.2	.5	.7	.7
215.	*	1.0	1.0	1.1	.7	.3	.1	.0	.7	1.2	1.0	.7	.5	.8	.9	.2	.2	.2	.5	.7	.7
220.	*	1.0	1.0	1.0	.8	.3	.2	.0	.7	1.2	.9	.6	.5	.7	1.0	.2	.2	.3	.5	.7	.7
225.	*	1.0	1.0	1.0	.8	.4	.2	.0	.8	1.2	.8	.5	.5	.7	1.0	.2	.2	.3	.5	.7	.7
230.	*	1.0	1.0	1.0	.8	.4	.2	.0	.8	1.3	.7	.5	.5	.9	1.0	.2	.2	.3	.5	.7	.7
235.	*	.9	.9	.9	.8	.4	.2	.1	.9	1.3	.7	.5	.5	.9	1.0	.2	.2	.3	.5	.7	.7
240.	*	.9	.9	.9	.7	.4	.2	.1	.9	1.2	.6	.4	.5	.9	1.0	.1	.2	.3	.5	.7	.6
245.	*	.8	.8	.8	.7	.4	.2	.1	.9	1.2	.5	.4	.5	1.0	1.0	.0	.2	.3	.5	.7	.6
250.	*	.8	.8	.8	.7	.4	.2	.1	1.1	1.2	.4	.4	.6	1.0	1.0	.0	.2	.3	.5	.7	.6
255.	*	.8	.8	.8	.7	.5	.2	.1	1.1	1.2	.4	.3	.7	.9	.9	.0	.2	.3	.5	.7	.6
260.	*	.8	.8	.8	.7	.4	.2	.1	1.1	1.2	.4	.5	.7	1.0	.9	.0	.1	.3	.5	.7	.5
265.	*	.8	.8	.8	.7	.5	.2	.1	1.2	1.0	.4	.5	.8	1.1	1.0	.0	.1	.3	.5	.8	.5
270.	*	.8	.8	.9	.7	.5	.2	.1	1.2	1.1	.4	.6	1.0	1.1	1.0	.0	.1	.3	.5	.9	.6
275.	*	.8	.8	.9	.7	.5	.3	.1	1.1	1.1	.4	.5	1.0	1.1	1.1	.0	.2	.3	.5	.7	.6
280.	*	.8	.8	.9	.7	.5	.3	.1	1.0	.9	.4	.5	1.1	1.1	.9	.1	.2	.3	.5	.7	.5
285.	*	.8	.8	.9	.7	.4	.3	.1	.9	.8	.6	.5	1.0	1.1	.9	.1	.3	.3	.5	.7	.5
290.	*	.8	.8	1.0	.7	.3	.4	.2	1.0	.8	.5	.7	.9	1.1	.8	.2	.3	.2	.5	.6	.5
295.	*	.8	.8	1.0	.7	.4	.4	.3	1.0	.8	.5	.8	.9	1.0	.8	.2	.3	.3	.4	.7	.5
300.	*	.8	.8	1.0	.6	.5	.4	.3	1.0	.8	.6	.7	1.1	1.0	.9	.2	.3	.3	.4	.7	.7
305.	*	.8	.8	1.0	.5	.4	.4	.2	.9	.8	.6	.8	1.1	1.1	.8	.0	.2	.3	.4	.7	.7
310.	*	.9	.9	1.1	.6	.6	.4	.3	.7	.7	.5	.8	1.1	1.0	.7	.0	.0	.3	.4	.7	.7
315.	*	.9	.9	1.2	.7	.5	.5	.6	.7	.7	.6	.9	1.0	.9	.5	.0	.0	.2	.4	.6	.5
320.	*	.9	1.0	1.3	.7	.7	.7	.6	.7	.7	.5	.8	.9	.7	.5	.0	.0	.0	.3	.6	.5
325.	*	1.0	1.2	1.5	.8	.6	.7	.5	.4	.4	.4	.6	.8	.7	.5	.0	.0	.0	.1	.5	.5
330.	*	1.0	1.3	1.5	.8	.9	.7	.6	.3	.2	.3	.6	.8	.7	.5	.0	.0	.0	.0	.3	.2
335.	*	1.3	1.4	1.5	.6	.8	.8	.7	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.2
340.	*	1.3	1.4	1.4	.5	.9	.8	.7	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.3	1.4	1.4	.5	.9	.8	.6	.1	.2	.3	.4	.7	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.2	1.2	1.3	.5	.8	.8	.5	.0	.1	.3	.4	.7	.5	.6	.0	.0	.0	.0	.0	.0
355.	*	1.1	1.2	1.3	.5	.8	.7	.5	.0	.1	.2	.4	.6	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.1	1.1	.4	.7	.5	.5	.0	.0	.1	.3	.4	.5	.5	.1	.1	.1	.0	.0	.0
MAX	*	1.3	1.4	1.5	.8	.9	.8	.7	1.2	1.3	1.1	.9	1.1	1.1	1.1	.7	1.0	1.3	.8	1.0	1.0
DEGR.	*	335	335	325	220	330	335	335	265	230	200	315	300	265	275	175	175	175	160	155	170

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JOB: PurpleLine - S10 LOWBRT 2015 PM

RUN: PurpleLine S10 LOWBRT 2015 PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.9	1.0	.8	.5	.4	.4	.3
5.	*	.0	.8	.9	.8	.5	.5	.4	.4
10.	*	.0	.8	.9	.8	.4	.6	.5	.4
15.	*	.0	.8	.8	.8	.6	.7	.4	.4
20.	*	.0	.8	.8	1.0	.7	.7	.4	.5
25.	*	.0	.8	.8	1.0	.6	.7	.3	.6
30.	*	.0	.8	.9	.9	.6	.4	.5	.6
35.	*	.0	.8	1.0	.9	.6	.2	.6	.7
40.	*	.0	1.0	1.1	1.1	.4	.2	.5	.8
45.	*	.0	1.0	1.1	1.0	.4	.3	.5	1.0
50.	*	.0	1.0	1.1	.8	.4	.3	.6	1.0
55.	*	.0	1.0	1.1	.7	.4	.4	.8	1.0
60.	*	.1	1.0	1.0	.5	.4	.3	.8	1.0
65.	*	.1	1.0	1.0	.5	.3	.3	.8	1.0
70.	*	.1	1.0	1.0	.3	.3	.3	.9	1.0
75.	*	.1	1.1	1.0	.3	.3	.4	.9	.9
80.	*	.1	1.1	1.0	.3	.3	.4	.9	.8
85.	*	.1	1.1	1.1	.3	.2	.4	1.0	.8
90.	*	.1	1.1	1.1	.3	.4	.5	1.0	.7
95.	*	.1	1.2	1.0	.4	.4	.7	.9	.7
100.	*	.2	1.3	.9	.3	.4	.7	.8	.8
105.	*	.2	1.3	.9	.4	.4	.7	.7	.9
110.	*	.2	1.2	.8	.5	.5	.6	.9	.7
115.	*	.2	1.0	.7	.5	.5	.9	.9	.6
120.	*	.3	.9	.8	.6	.9	.8	.8	.6
125.	*	.3	.8	.7	.6	.7	.7	.8	.6
130.	*	.3	.6	.5	.5	.7	.6	.7	.6
135.	*	.3	.5	.5	.5	.5	.6	.8	.6
140.	*	.5	.4	.6	.6	.6	.6	.8	.6
145.	*	.5	.4	.4	.4	.6	.6	.7	.6
150.	*	.6	.5	.4	.4	.6	.7	.7	.6

155.	*	.8	.3	.4	.4	.6	.7	.7	.5
160.	*	.8	.2	.3	.4	.5	.6	.5	.5
165.	*	.9	.2	.3	.4	.5	.6	.5	.6
170.	*	.8	.0	.2	.3	.3	.5	.5	.5
175.	*	.8	.0	.1	.2	.3	.4	.4	.5
180.	*	.8	.0	.0	.1	.2	.3	.4	.5
185.	*	.8	.0	.0	.0	.1	.1	.2	.2
190.	*	.7	.0	.0	.0	.0	.1	.1	.2
195.	*	.6	.0	.0	.0	.0	.0	.1	.1
200.	*	.6	.0	.0	.0	.0	.0	.0	.1
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

1

JOB: PurpleLine - S10 LOWBRT 2015 PM

RUN: PurpleLine S10 LOWBRT 2015 PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.4	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.0	.0	.0	.0
270.	*	.4	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.0	.0	.0	.0	.0	.0	.0
280.	*	.4	.0	.0	.0	.0	.0	.0	.0
285.	*	.5	.0	.0	.0	.0	.0	.0	.0
290.	*	.5	.0	.0	.0	.0	.0	.0	.0
295.	*	.5	.0	.0	.0	.0	.0	.0	.0
300.	*	.5	.0	.0	.0	.0	.0	.0	.0
305.	*	.6	.1	.1	.0	.0	.0	.0	.0
310.	*	.6	.3	.3	.1	.0	.0	.0	.0
315.	*	.5	.3	.4	.3	.2	.0	.0	.0
320.	*	.5	.6	.6	.4	.3	.1	.0	.0
325.	*	.5	.8	.7	.6	.3	.3	.1	.0
330.	*	.2	.9	1.0	.7	.6	.3	.3	.1
335.	*	.1	1.1	1.2	.8	.6	.3	.3	.2
340.	*	.0	1.2	1.1	.9	.7	.5	.2	.2
345.	*	.0	1.0	1.1	.8	.6	.5	.3	.2
350.	*	.0	.9	1.0	.8	.5	.5	.3	.1
355.	*	.0	.9	1.0	.8	.5	.4	.3	.3
360.	*	.0	.9	1.0	.8	.5	.4	.4	.3
MAX	*	.9	1.3	1.2	1.1	.9	.9	1.0	1.0
DEGR.	*	165	100	335	40	120	115	85	45

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 325 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 335 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC1 .

S10 HIGHBRT 2015AM				60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0			
SE 164 S	1349.	856.	5.0			
SE 82 S	1357.	938.	5.0			
SE CNR	1401.	1043.	5.0			
SE 82 E	1485.	981.	5.0			
SE 164 E	1546.	926.	5.0			
SE MID E	1608.	872.	5.0			
NE MID E	1582.	1083.	5.0			
NE 164 E	1521.	1138.	5.0			
NE 82 E	1466.	1200.	5.0			
NE CNR	1422.	1281.	5.0			
NE 82 N	1402.	1367.	5.0			
NE 164 N	1402.	1449.	5.0			
NE MID N	1409.	1531.	5.0			
NW MID N	1317.	1719.	5.0			
NW 164 N	1310.	1638.	5.0			
NW 82 N	1302.	1555.	5.0			
NW CNR	1267.	1462.	5.0			
NW 82 W	1178.	1495.	5.0			
NW 164 W	1126.	1560.	5.0			
NW MIDW	1075.	1624.	5.0			
SW MID W	1062.	1408.	5.0			
SW 164 W	1113.	1342.	5.0			
SW 82 W	1160.	1272.	5.0			
SW CNR	1206.	1204.	5.0			
SW 82 S	1226.	1123.	5.0			
SW 164 S	1237.	1038.	5.0			
SW MID S	1237.	955.	5.0			
SITE 10 HIGHBRT 2015AM		52	1	0		
1						
0	650nbAP	AG	1236.	15.	1271.	361.
1						
0	650nbT	AG	1271.	361.	1355.	1221.
2						
0	650nbTq	AG	1343.	1096.	1304.	697.
150		85	2.0	835	37.8	1675 1 3
1						
0	650nbL	AG	1247.	388.	1329.	1246.
2						
0	650nbLq	AG	1316.	1110.	1277.	702.
150		127	2.0	265	37.8	1717 1 3
1						
0	650nbD	AG	1356.	1220.	1420.	2001.
1						
0	650nbD	AG	1420.	2001.	1507.	2421.
1						
0	650sbAP	AG	1463.	2422.	1386.	2066.
1						
0	650sbAP	AG	1386.	2066.	1350.	1713.
1						
0	650sbT	AG	1351.	1713.	1306.	1295.
2						
0	650sbTq	AG	1315.	1375.	1349.	1693.
150		78	2.0	1980	37.8	1673 1 3
1						
0	650sbL	AG	1372.	1706.	1331.	1273.
2						
0	650sbLq	AG	1338.	1348.	1370.	1691.
150		120	2.0	185	37.8	1770 1 3
1						
0	650sbD	AG	1306.	1294.	1178.	15.
1						
0	193wbAP	AG	2729.	161.	1679.	955.
1						
0	193wbT	AG	1679.	954.	1336.	1269.
2						
0	650wbT	AG	1444.	1170.	1670.	962.
150		95	2.0	1260	37.8	1654 1 3
1						
0	193wbL	AG	1649.	949.	1334.	1233.
2						
0	650wbL	AG	1426.	1151.	1644.	954.
150		130	2.0	185	37.8	1770 1 3
1						
0	193wbD	AG	1336.	1269.	1001.	1661.
1						
0	193wbD	AG	1001.	1661.	429.	2424.
1						
0	650nbR	AG	1297.	505.	1350.	1048.
1						
0	650nbR	AG	1353.	1047.	1426.	1070.
1						
0	650sbR	AG	1334.	1706.	1311.	1458.
1						
0	650sbR	AG	1311.	1458.	1212.	1415.
1						
0	193wbR	AG	1666.	987.	1450.	1178.
1						
0	193wbR	AG	1450.	1178.	1402.	1274.
1						
0	193wbR	AG	1402.	1274.	1371.	1385.
1						
0	193ebAP	AG	321.	2423.	1023.	1497.
1						

0		193ebT	AG	1024.	1497.	1300.	1181.	960	3.5	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150	101			2.0	960	37.8	1612	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	90	3.5	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150	136			2.0	90	37.8	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	470	3.5	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	470	3.5	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	470	3.5	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	1215	3.5	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	1215	3.5	0	56	30.
1												
0		BRTeb	AG	375.	2423.	892.	1734.	34	2.0	15	32	30.
1												
0		BRTeb	AG	892.	1734.	1038.	1547.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1038.	1547.	1337.	1199.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1337.	1199.	1613.	940.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1614.	940.	1803.	786.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1803.	786.	2730.	80.	34	2.0	15	32	30.
1												
0		BRTwb	AG	2731.	98.	1990.	660.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1990.	660.	1665.	916.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1665.	916.	1543.	1020.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1543.	1020.	1403.	1151.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1403.	1151.	1232.	1344.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1232.	1344.	1066.	1531.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1066.	1531.	841.	1824.	34	2.0	15	32	30.
1												
0		BRTwb	AG	841.	1824.	391.	2423.	34	2.0	15	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

DATE: 12/20/2007 TIME: 08:19:44.04

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.4	967.4	*	129.	186. AG	172.	100.0	.0	36.0	.41 6.6
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1245.2	369.5	*	744.	185. AG	86.	100.0	.0	12.0	1.22 37.8
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1347.0	1674.0	*	301.	6. AG	158.	100.0	.0	36.0	.87 15.3
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.3	1468.9	*	121.	5. AG	81.	100.0	.0	12.0	.60 6.2
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	70.	3.5	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	960.	3.5	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	1076.5	1435.9	*	177.	319. AG	205.	100.0	.0	36.0	.66 9.0
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	90.	3.5	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1166.7	1375.1	*	76.	320. AG	92.	100.0	.0	12.0	.76 3.9
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	470.	3.5	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	1215.	3.5	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	1215.	3.5	.0	56.0	
39. 0	BRTeb	375.0	2423.0	892.0	1734.0	*	861.	143. AG	34.	2.0	15.0	32.0	
40. 0	BRTeb	892.0	1734.0	1038.0	1547.0	*	237.	142. AG	34.	2.0	15.0	32.0	
41. 0	BRTeb	1038.0	1547.0	1337.0	1199.0	*	459.	139. AG	34.	2.0	15.0	32.0	
42. 0	BRTeb	1337.0	1199.0	1613.0	940.0	*	378.	133. AG	34.	2.0	15.0	32.0	
43. 0	BRTeb	1614.0	940.0	1803.0	786.0	*	244.	129. AG	34.	2.0	15.0	32.0	
44. 0	BRTeb	1803.0	786.0	2730.0	80.0	*	1165.	127. AG	34.	2.0	15.0	32.0	

JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

DATE: 12/20/2007 TIME: 08:19:44.04

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTwb	2731.0	98.0	1990.0	660.0	*	930.	307. AG	34.	2.0	15.0	32.0	
46. 0	BRTwb	1990.0	660.0	1665.0	916.0	*	414.	308. AG	34.	2.0	15.0	32.0	
47. 0	BRTwb	1665.0	916.0	1543.0	1020.0	*	160.	310. AG	34.	2.0	15.0	32.0	
48. 0	BRTwb	1543.0	1020.0	1403.0	1151.0	*	192.	313. AG	34.	2.0	15.0	32.0	
49. 0	BRTwb	1403.0	1151.0	1232.0	1344.0	*	258.	318. AG	34.	2.0	15.0	32.0	
50. 0	BRTwb	1232.0	1344.0	1066.0	1531.0	*	250.	318. AG	34.	2.0	15.0	32.0	
51. 0	BRTwb	1066.0	1531.0	841.0	1824.0	*	369.	322. AG	34.	2.0	15.0	32.0	
52. 0	BRTwb	841.0	1824.0	391.0	2423.0	*	749.	323. AG	34.	2.0	15.0	32.0	

JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

DATE: 12/20/2007 TIME: 08:19:44.04

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	85	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650sbTq	150	78	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	120	2.0	185	1770	37.80	1	3
17. 0	650wbT	150	95	2.0	1260	1654	37.80	1	3
19. 0	650wbL	150	130	2.0	185	1770	37.80	1	3



31. 0	193ebTQ	*	150	101	2.0	960	1612	37.80	1	3
33. 0	193ebLQ	*	150	136	2.0	90	1770	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.4	.5	.6	.4	.5	.5	.3	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5. *	.3	.3	.4	.3	.5	.5	.3	.0	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10. *	.2	.2	.3	.3	.5	.5	.3	.0	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0
15. *	.3	.3	.3	.3	.5	.4	.2	.0	.0	.0	.0	.1	.1	.1	.3	.4	.7	.4	.0	.0
20. *	.1	.2	.2	.4	.5	.4	.2	.0	.0	.0	.0	.1	.1	.1	.4	.6	.8	.5	.1	.0
25. *	.1	.1	.1	.4	.5	.3	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.6	.1	.0	.0
30. *	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	1.0	.6	.1	.1	.0
35. *	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	.0
40. *	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	.0
45. *	.1	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.9	.6	.2	.1	.0
50. *	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	.0
55. *	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	.0
60. *	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.8	.6	.2	.1	.0
65. *	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.1	.0
70. *	.0	.0	.1	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.0
75. *	.0	.0	.1	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.0
80. *	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.0
85. *	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.0
90. *	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	.0
95. *	.0	.0	.0	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	.0
100. *	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.0
105. *	.0	.0	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.0
110. *	.0	.0	.1	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2	.0
115. *	.0	.0	.1	.3	.3	.3	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.0
120. *	.0	.0	.0	.2	.4	.3	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3	.0
125. *	.0	.0	.0	.2	.4	.3	.3	.2	.4	.3	.0	.0	.0	.4	.7	.7	.7	.3	.3	.0
130. *	.0	.0	.0	.1	.3	.2	.2	.3	.4	.4	.1	.0	.0	.4	.7	.8	.7	.3	.3	.0
135. *	.0	.0	.0	.1	.2	.2	.1	.4	.6	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4	.0
140. *	.0	.0	.0	.0	.1	.1	.1	.5	.7	.6	.4	.1	.0	.5	.8	.8	.8	.4	.2	.0
145. *	.0	.0	.0	.0	.1	.0	.0	.6	.8	.8	.3	.1	.0	.5	.8	.9	.7	.6	.3	.0
150. *	.0	.0	.0	.0	.0	.0	.0	.6	.8	.8	.4	.2	.1	.0	.6	.9	1.1	.7	.4	.0
155. *	.0	.0	.0	.0	.0	.0	.0	.6	.9	.9	.4	.2	.1	.1	.7	.9	1.1	.7	.4	.0
160. *	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.4	.2	.1	.1	.8	1.0	1.1	.4	.4	.0
165. *	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.4	.2	.1	.1	.8	.9	1.0	.4	.5	.0
170. *	.0	.0	.0	.0	.0	.0	.0	.8	1.1	.9	.5	.2	.2	.2	.8	1.0	1.1	.4	.5	.0
175. *	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.9	.9	.8	.5	.4	.0
180. *	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.3	.2	.2	.8	.8	.7	.5	.5	.0
185. *	.3	.3	.3	.1	.0	.0	.0	.8	.9	.8	.4	.5	.2	.3	.6	.6	.6	.2	.5	.0
190. *	.3	.3	.3	.3	.0	.0	.0	.9	.9	.8	.5	.6	.4	.3	.5	.5	.6	.2	.4	.0
195. *	.3	.4	.4	.3	.1	.0	.0	.8	.9	.9	.5	.7	.4	.6	.4	.4	.4	.3	.4	.0
200. *	.4	.4	.4	.3	.1	.0	.0	.8	1.0	1.0	.5	.5	.4	.6	.3	.4	.4	.2	.4	.0

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ANGLE \* (PPM)

DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.*	.4	.4	.4	.4	.2	.1	.0	.9	1.1	.9	.6	.3	.5	.7	.1	.1	.2	.2	.4	.3
215.*	.4	.4	.4	.4	.2	.1	.1	.9	1.1	.9	.4	.3	.7	.6	.1	.1	.2	.2	.4	.2
220.*	.4	.4	.4	.4	.5	.2	.1	1.0	1.2	.8	.2	.3	.7	.6	.1	.2	.2	.3	.4	.2
225.*	.4	.4	.4	.4	.5	.2	.1	1.0	1.2	.7	.3	.3	.6	.7	.0	.2	.2	.3	.4	.2
230.*	.4	.4	.4	.4	.5	.2	.1	.1	.9	1.2	.6	.3	.4	.6	.7	.0	.2	.2	.3	.4
235.*	.4	.4	.4	.4	.6	.2	.1	.1	.9	1.1	.5	.3	.4	.7	.7	.0	.1	.2	.3	.2
240.*	.4	.4	.4	.4	.6	.2	.1	.1	.9	1.0	.4	.3	.4	.7	.6	.0	.1	.2	.3	.2
245.*	.4	.4	.4	.4	.6	.2	.1	.1	1.0	1.0	.3	.3	.3	.7	.5	.0	.0	.2	.3	.2
250.*	.4	.4	.4	.4	.6	.2	.1	.1	1.1	1.1	.2	.3	.4	.7	.6	.0	.1	.1	.3	.3
255.*	.4	.4	.4	.4	.6	.2	.1	.1	1.1	1.1	.2	.3	.5	.7	.6	.0	.0	.1	.2	.2
260.*	.4	.4	.4	.4	.6	.3	.1	.1	1.1	1.1	.2	.3	.5	.7	.5	.0	.0	.1	.2	.3
265.*	.4	.4	.4	.4	.6	.3	.1	.1	1.2	1.1	.2	.3	.6	.7	.5	.0	.0	.1	.2	.3
270.*	.4	.4	.4	.4	.6	.3	.1	.1	1.2	1.1	.2	.4	.6	.7	.5	.0	.0	.1	.2	.3
275.*	.4	.4	.4	.4	.6	.3	.1	.1	1.3	1.0	.2	.4	.6	.6	.4	.0	.0	.1	1.1	.2
280.*	.4	.4	.4	.4	.6	.3	.2	.1	1.2	1.0	.2	.5	.6	.6	.4	.0	.0	.1	1.1	.3
285.*	.4	.4	.4	.4	.6	.2	.2	.1	1.1	.8	.3	.4	.7	.6	.4	.0	.0	.0	1.1	.4
290.*	.4	.4	.4	.4	.6	.2	.2	.2	1.0	.8	.3	.4	.7	.6	.4	.0	.0	.0	1.1	.4
295.*	.4	.4	.4	.5	.6	.2	.2	.2	1.0	.8	.4	.4	.6	.4	.4	.0	.1	.0	.2	.4
300.*	.4	.4	.5	.5	.3	.3	.3	.9	.8	.5	.4	.6	.4	.4	.4	.0	.1	.1	.2	.4
305.*	.4	.4	.5	.4	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.4	.0	.0	.1	.2	.5
310.*	.4	.4	.6	.6	.3	.3	.3	.5	.6	.5	.4	.5	.4	.4	.4	.0	.0	.1	.3	.5
315.*	.4	.4	.6	.6	.5	.4	.2	.4	.3	.5	.4	.5	.5	.4	.4	.0	.0	.0	.2	.4
320.*	.4	.4	.7	.5	.4	.3	.3	.4	.5	.4	.5	.5	.6	.5	.5	.0	.0	.0	1.1	.3
325.*	.4	.4	.7	.6	.3	.3	.3	.3	.4	.5	.5	.6	.5	.6	.5	.0	.0	.0	.3	.2
330.*	.4	.5	.9	.6	.2	.4	.5	.3	.3	.3	.5	.6	.5	.5	.5	.0	.0	.0	.2	.2
335.*	.4	.5	.9	.4	.3	.5	.6	.1	.2	.3	.5	.6	.5	.6	.6	.0	.0	.0	.1	.1
340.*	.4	.5	.9	.5	.6	.6	.6	.1	.1	.3	.4	.5	.5	.5	.5	.0	.0	.0	.1	.0
345.*	.5	.5	.7	.4	.6	.6	.5	.0	.1	.3	.4	.5	.6	.5	.5	.1	.0	.0	.0	.0
350.*	.5	.5	.8	.4	.7	.6	.5	.0	.0	.2	.3	.5	.5	.5	.					

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RUN: SITE 10 HIGHBRT 2015AM

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

(DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.4	.8	.8	.4	.5	.4	.2
5. *	.0	.4	.8	.9	.5	.5	.4	.3
10. *	.0	.5	.8	.9	.6	.6	.5	.4
15. *	.0	.5	.8	.9	.5	.6	.6	.4
20. *	.0	.5	.7	.9	.5	.7	.7	.4
25. *	.0	.6	.8	1.0	.4	.6	.4	.6
30. *	.0	.6	.9	1.0	.5	.6	.4	.6
35. *	.0	.7	.9	.9	.5	.4	.4	.6
40. *	.0	.7	1.0	.9	.6	.3	.3	.6
45. *	.1	.9	1.0	.8	.5	.3	.3	.7
50. *	.1	.9	1.0	.8	.5	.3	.5	.7
55. *	.1	.9	1.0	.7	.2	.3	.6	.7
60. *	.0	1.1	1.1	.6	.2	.3	.6	.7
65. *	.0	1.1	1.1	.5	.2	.4	.5	.7
70. *	.0	1.1	1.1	.4	.2	.4	.6	.7
75. *	.0	1.1	1.1	.4	.3	.5	.6	.7
80. *	.1	1.1	1.2	.4	.3	.5	.6	.7
85. *	.1	1.1	1.1	.4	.4	.5	.7	.5
90. *	.1	1.2	1.1	.3	.5	.5	.7	.5
95. *	.2	1.2	1.0	.3	.5	.6	.7	.5
100. *	.2	1.0	.9	.3	.6	.6	.5	.4
105. *	.2	1.0	.9	.5	.6	.7	.5	.4
110. *	.2	1.0	.9	.5	.6	.7	.5	.4
115. *	.2	1.1	.8	.5	.4	.6	.5	.4
120. *	.2	1.1	.7	.5	.5	.7	.5	.4
125. *	.3	1.1	.7	.5	.6	.6	.4	.4
130. *	.2	.9	.6	.5	.5	.6	.5	.4
135. *	.3	.6	.4	.4	.5	.6	.5	.4
140. *	.2	.5	.4	.3	.5	.5	.5	.5
145. *	.2	.4	.5	.2	.5	.5	.4	.5
150. *	.5	.3	1.1	.3	.5	.5	.5	.5
155. *	.5	.2	1.1	.3	.5	.5	.5	.6
160. *	.5	.1	.2	.2	.5	.4	.5	.4

165.	*	.5	.1	.1	.2	.4	.4	.4	.6
170.	*	.4	.1	.1	.2	.4	.3	.5	.5
175.	*	.4	.1	.1	.1	.3	.3	.4	.5
180.	*	.3	.0	.1	.1	.2	.3	.4	.5
185.	*	.3	.0	.0	.1	.1	.2	.3	.4
190.	*	.3	.0	.0	.0	.1	.1	.2	.3
195.	*	.2	.0	.0	.0	.0	.1	.1	.2
200.	*	.2	.0	.0	.0	.0	.0	.1	.1
205.	*	.2	.0	.0	.0	.0	.0	.0	.1

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JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.1	.1	.0	.0	.0
315.	*	.4	.2	.3	.1	.1	.0	.0	.0
320.	*	.3	.3	.3	.3	.2	.1	.0	.0
325.	*	.2	.4	.4	.4	.5	.1	.0	.0
330.	*	.1	.4	.6	.6	.5	.1	.1	.0
335.	*	.1	.4	.7	.7	.5	.1	.1	.0
340.	*	.0	.4	.8	.7	.6	.2	.1	.1
345.	*	.0	.4	.7	.8	.6	.3	.1	.1
350.	*	.0	.5	.7	.8	.5	.4	.1	.2
355.	*	.0	.4	.7	.8	.5	.4	.3	.2
360.	*	.0	.4	.8	.8	.4	.5	.4	.2
MAX	*	.5	1.2	1.2	1.0	.6	.7	.7	.7
DEGR.	*	150	90	80	25	10	20	20	45

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 275 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 220 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 90 DEGREES FROM REC22.

S10 HIGHBRT 2015PM			60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0		
SE 164 S	1349.	856.	5.0		
SE 82 S	1357.	938.	5.0		
SE CNR	1401.	1043.	5.0		
SE 82 E	1485.	981.	5.0		
SE 164 E	1546.	926.	5.0		
SE MID E	1608.	872.	5.0		
NE MID E	1582.	1083.	5.0		
NE 164 E	1521.	1138.	5.0		
NE 82 E	1466.	1200.	5.0		
NE CNR	1422.	1281.	5.0		
NE 82 N	1402.	1367.	5.0		
NE 164 N	1402.	1449.	5.0		
NE MID N	1409.	1531.	5.0		
NW MID N	1317.	1719.	5.0		
NW 164 N	1310.	1638.	5.0		
NW 82 N	1302.	1555.	5.0		
NW CNR	1267.	1462.	5.0		
NW 82 W	1178.	1495.	5.0		
NW 164 W	1126.	1560.	5.0		
NW MIDW	1075.	1624.	5.0		
SW MID W	1062.	1408.	5.0		
SW 164 W	1113.	1342.	5.0		
SW 82 W	1160.	1272.	5.0		
SW CNR	1206.	1204.	5.0		
SW 82 S	1226.	1123.	5.0		
SW 164 S	1237.	1038.	5.0		
SW MID S	1237.	955.	5.0		
SITE 10 HIGHBRT 2015PM		52	1	0	
1					
0	650nbAP	AG	1236.	15.	1271. 361. 2530 3.5 0 56 30.
1					
0	650nbT	AG	1271.	361.	1355. 1221. 1865 3.5 0 56 30.
2					
0	650nbTq	AG	1343.	1096.	1304. 697. 0. 36 3
150		90	2.0	1865	37.8 1671 1 3
1					
0	650nbL	AG	1247.	388.	1329. 1246. 470 3.5 0 32 30.
2					
0	650nbLq	AG	1316.	1110.	1277. 702. 0. 12 1
150		119	2.0	470	37.8 1717 1 3
1					
0	650nbD	AG	1356.	1220.	1420. 2001. 2200 3.5 0 56 30.
1					
0	650nbD	AG	1420.	2001.	1507. 2421. 2200 3.5 0 56 30.
1					
0	650sbAP	AG	1463.	2422.	1386. 2066. 1515 3.5 0 56 30.
1					
0	650sbAP	AG	1386.	2066.	1350. 1713. 1515 3.5 0 56 30.
1					
0	650sbT	AG	1351.	1713.	1306. 1295. 1120 3.5 0 56 30.
2					
0	650sbTq	AG	1315.	1375.	1349. 1693. 0. 36 3
150		93	2.0	1120	37.8 1678 1 3
1					
0	650sbL	AG	1372.	1706.	1331. 1273. 315 3.5 0 32 30.
2					
0	650sbLq	AG	1338.	1348.	1370. 1691. 0. 12 1
150		123	2.0	315	37.8 1770 1 3
1					
0	650sbD	AG	1306.	1294.	1178. 15. 1725 3.5 0 56 30.
1					
0	193wbAP	AG	2729.	161.	1679. 955. 2010 3.5 0 56 30.
1					
0	193wbT	AG	1679.	954.	1336. 1269. 1560 3.5 0 56 30.
2					
0	650wbT	AG	1444.	1170.	1670. 962. 0. 36 3
150		89	2.0	1560	37.8 1664 1 3
1					
0	193wbL	AG	1649.	949.	1334. 1233. 235 3.5 0 32 30.
2					
0	650wbL	AG	1426.	1151.	1644. 954. 0. 12 1
150		128	2.0	235	37.8 1770 1 3
1					
0	193wbD	AG	1336.	1269.	1001. 1661. 2110 3.5 0 56 30.
1					
0	193wbD	AG	1001.	1661.	429. 2424. 2110 3.5 0 56 30.
1					
0	650nbR	AG	1297.	505.	1350. 1048. 195 3.5 0 32 30.
1					
0	650nbR	AG	1353.	1047.	1426. 1070. 195 3.5 0 32 30.
1					
0	650sbR	AG	1334.	1706.	1311. 1458. 80 3.5 0 32 30.
1					
0	650sbR	AG	1311.	1458.	1212. 1415. 80 3.5 0 32 30.
1					
0	193wbR	AG	1666.	987.	1450. 1178. 215 3.5 0 32 30.
1					
0	193wbR	AG	1450.	1178.	1402. 1274. 215 3.5 0 32 30.
1					
0	193wbR	AG	1402.	1274.	1371. 1385. 215 3.5 0 32 30.
1					
0	193ebAP	AG	321.	2423.	1023. 1497. 2000 3.5 0 56 30.
1					

0		193ebT	AG	1024.	1497.	1300.	1181.	1510	3.5	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150			95	2.0	1510	37.8	1645	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	120	3.5	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150			134	2.0	120	37.8	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	370	3.5	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	370	3.5	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	370	3.5	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	2020	3.5	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	2020	3.5	0	56	30.
1												
0		BRTeb	AG	375.	2423.	892.	1734.	34	2.0	15	32	30.
1												
0		BRTeb	AG	892.	1734.	1038.	1547.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1038.	1547.	1337.	1199.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1337.	1199.	1613.	940.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1614.	940.	1803.	786.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1803.	786.	2730.	80.	34	2.0	15	32	30.
1												
0		BRTwb	AG	2731.	98.	1990.	660.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1990.	660.	1665.	916.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1665.	916.	1543.	1020.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1543.	1020.	1403.	1151.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1403.	1151.	1232.	1344.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1232.	1344.	1066.	1531.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1066.	1531.	841.	1824.	34	2.0	15	32	30.
1												
0		BRTwb	AG	841.	1824.	391.	2423.	34	2.0	15	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:36:05.45

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	* 1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.5	.0	56.0	
2. 0	650nbT	* 1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.5	.0	56.0	
3. 0	650nbTq	* 1343.0	1096.0	1301.9	675.6	*	422.	186. AG	183.	100.0	.0	36.0	1.00 21.5
4. 0	650nbL	* 1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.5	.0	32.0	
5. 0	650nbLq	* 1316.0	1110.0	1123.8	-901.0	*	2020.	185. AG	80.	100.0	.0	12.0	1.52 102.6
6. 0	650nbD	* 1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.5	.0	56.0	
7. 0	650nbD	* 1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.5	.0	56.0	
8. 0	650sbAP	* 1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	* 1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	* 1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	* 1315.0	1375.0	1335.2	1563.6	*	190.	6. AG	189.	100.0	.0	36.0	.63 9.6
12. 0	650sbL	* 1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	* 1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	* 1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1725.	3.5	.0	56.0	
15. 0	193wbAP	* 2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
16. 0	193wbT	* 1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1560.	3.5	.0	56.0	
17. 0	650wbT	* 1444.0	1170.0	1635.5	993.8	*	260.	133. AG	180.	100.0	.0	36.0	.82 13.2
18. 0	193wbL	* 1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
19. 0	650wbL	* 1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
20. 0	193wbD	* 1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
21. 0	193wbD	* 1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
22. 0	650nbR	* 1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.5	.0	32.0	
23. 0	650nbR	* 1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	195.	3.5	.0	32.0	
24. 0	650sbR	* 1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
25. 0	650sbR	* 1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
26. 0	193wbR	* 1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
27. 0	193wbR	* 1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
28. 0	193wbR	* 1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	
29. 0	193ebAP	* 321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
30. 0	193ebT	* 1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	1510.	3.5	.0	56.0	
31. 0	193ebTQ	* 1193.0	1303.0	997.0	1526.5	*	297.	319. AG	193.	100.0	.0	36.0	.90 15.1
32. 0	193ebL	* 1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	120.	3.5	.0	32.0	
33. 0	193ebLQ	* 1216.0	1317.0	1146.4	1399.0	*	108.	320. AG	91.	100.0	.0	12.0	.85 5.5
34. 0	193ebR	* 1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	370.	3.5	.0	32.0	
35. 0	193ebR	* 1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	370.	3.5	.0	32.0	
36. 0	193ebR	* 1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	370.	3.5	.0	32.0	
37. 0	193ebD	* 1302.0	1182.0	1675.0	855.0	*	496.	131. AG	2020.	3.5	.0	56.0	
38. 0	193ebD	* 1675.0	855.0	2731.0	45.0	*	1331.	127. AG	2020.	3.5	.0	56.0	
39. 0	BRTeb	* 375.0	2423.0	892.0	1734.0	*	861.	143. AG	34.	2.0	15.0	32.0	
40. 0	BRTeb	* 892.0	1734.0	1038.0	1547.0	*	237.	142. AG	34.	2.0	15.0	32.0	
41. 0	BRTeb	* 1038.0	1547.0	1337.0	1199.0	*	459.	139. AG	34.	2.0	15.0	32.0	
42. 0	BRTeb	* 1337.0	1199.0	1613.0	940.0	*	378.	133. AG	34.	2.0	15.0	32.0	
43. 0	BRTeb	* 1614.0	940.0	1803.0	786.0	*	244.	129. AG	34.	2.0	15.0	32.0	
44. 0	BRTeb	* 1803.0	786.0	2730.0	80.0	*	1165.	127. AG	34.	2.0	15.0	32.0	

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:36:05.45

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTwb	* 2731.0	98.0	1990.0	660.0	*	930.	307. AG	34.	2.0	15.0	32.0	
46. 0	BRTwb	* 1990.0	660.0	1665.0	916.0	*	414.	308. AG	34.	2.0	15.0	32.0	
47. 0	BRTwb	* 1665.0	916.0	1543.0	1020.0	*	160.	310. AG	34.	2.0	15.0	32.0	
48. 0	BRTwb	* 1543.0	1020.0	1403.0	1151.0	*	192.	313. AG	34.	2.0	15.0	32.0	
49. 0	BRTwb	* 1403.0	1151.0	1232.0	1344.0	*	258.	318. AG	34.	2.0	15.0	32.0	
50. 0	BRTwb	* 1232.0	1344.0	1066.0	1531.0	*	250.	318. AG	34.	2.0	15.0	32.0	
51. 0	BRTwb	* 1066.0	1531.0	841.0	1824.0	*	369.	322. AG	34.	2.0	15.0	32.0	
52. 0	BRTwb	* 841.0	1824.0	391.0	2423.0	*	749.	323. AG	34.	2.0	15.0	32.0	

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:36:05.45

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	* 150	90	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	* 150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	* 150	93	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	* 150	123	2.0	315	1770	37.80	1	3
17. 0	650wbT	* 150	89	2.0	1560	1664	37.80	1	3
19. 0	650wbL	* 150	128	2.0	235	1770	37.80	1	3

31. 0	193ebTQ	*	150	95	2.0	1510	1645	37.80	1	3
33. 0	193ebLQ	*	150	134	2.0	120	1770	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

1

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.1	1.1	.9	.6	.7	.6	.6	.0	.0	.1	.2	.4	.5	.5	.1	.1	.1	.0	.0	.0
5. *	.8	.8	.7	.4	.6	.6	.6	.0	.0	.0	.1	.4	.4	.4	.2	.3	.4	.0	.0	.0
10. *	.5	.7	.6	.5	.6	.6	.5	.0	.0	.0	.1	.2	.4	.4	.5	.4	.4	.2	.0	.0
15. *	.4	.5	.4	.4	.6	.6	.5	.0	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0
20. *	.4	.4	.4	.5	.6	.6	.5	.0	.0	.0	.0	.1	.1	.1	.5	.4	.4	.4	.0	.0
25. *	.3	.4	.3	.5	.6	.6	.4	.0	.0	.0	.0	.1	.1	.1	.5	.4	.3	.4	.0	.0
30. *	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.1	.1	.1	.4	.4	.3	.5	.2	.0
35. *	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.4	.5	.4	.5	.2	.0
40. *	.2	.2	.2	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.0
45. *	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.1
50. *	.1	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.2	.1
55. *	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1
60. *	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.3	.1
65. *	.0	.2	.3	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
70. *	.0	.1	.3	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
75. *	.0	.1	.3	.6	.6	.3	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1
80. *	.0	.1	.3	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1
85. *	.0	.0	.2	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
90. *	.1	.1	.1	.6	.6	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
95. *	.1	.1	.2	.6	.7	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
100. *	.1	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
105. *	.1	.2	.3	.7	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
110. *	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
115. *	.0	.1	.2	.6	.6	.4	.5	.2	.2	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3
120. *	.0	.1	.1	.5	.6	.4	.4	.3	.3	.1	.0	.0	.0	.0	.3	.3	.8	.7	.3	.3
125. *	.0	.0	.1	.4	.5	.4	.4	.3	.4	.3	.1	.0	.0	.0	.3	.3	.8	.7	.3	.3
130. *	.0	.0	.0	.4	.4	.4	.3	.4	.8	.5	.2	.0	.0	.0	.3	.3	.8	.6	.5	.4
135. *	.0	.0	.0	.2	.3	.2	.3	.7	.9	.7	.4	.2	.0	.0	.3	.3	.9	.7	.5	.4
140. *	.0	.0	.0	.1	.2	.2	.2	.8	1.0	.9	.6	.2	.0	.0	.3	.4	.9	.8	.6	.5
145. *	.0	.0	.0	.0	.1	.1	.1	.9	1.1	1.1	.4	.1	.1	.0	.4	.5	1.0	.8	.4	.3
150. *	.0	.0	.0	.0	.1	.0	.0	1.0	1.1	.9	.5	.3	.1	.0	.4	.6	1.0	.8	.4	.3
155. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.1	.1	.5	.8	1.1	.8	.6	.5
160. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.9	.5	.4	.3	.2	.6	.8	1.1	.8	.7	.7
165. *	.1	.1	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.3	.2	.5	.7	1.0	.8	.8	.7
170. *	.1	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.4	.2	.6	.8	1.2	.7	1.0	.8
175. *	.2	.2	.3	.0	.0	.0	.0	1.0	1.0	.9	.5	.6	.7	.4	.7	.9	1.3	.5	.9	.6
180. *	.4	.5	.6	.2	.0	.0	.0	1.0	1.0	.9	.5	.6	.7	.4	.7	1.0	1.1	.5	.9	.6
185. *	.6	.7	.9	.3	.0	.0	.0	.9	1.0	.9	.6	.8	.7	.7	.7	.7	.9	.5	.7	.6
190. *	.8	.9	1.0	.5	.0	.0	.0	.9	.9	1.1	.7	.8	.7	.7	.2	.5	.6	.3	.7	.6
195. *	.9	1.0	1.1	.6	.1	.0	.0	.9	1.0	1.2	.8	.8	.7	1.0	.3	.3	.4	.2	.6	.5
200. *	.9	1.1	1.1	.7	.2	.0	.0	.9	1.2	1.2	.8	.7	.6	.8	.3	.3	.3	.3	.5	.5

205. \* 1.0 1.1 1.2 .8 .4 .1 .0 1.0 1.3 1.2 .8 .7 .5 .8 .2 .2 .2 .3 .5 .5  
1

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----*-----
210. * 1.0 1.1 1.2 .8 .4 .1 .0 1.1 1.3 1.2 .6 .5 .6 .8 .2 .2 .2 .4 .5 .5
215. * 1.1 1.1 1.2 .8 .4 .2 .0 1.1 1.4 1.1 .6 .5 .8 .8 .2 .2 .2 .4 .5 .5
220. * 1.1 1.1 1.1 .8 .5 .2 .0 1.1 1.4 1.0 .5 .5 .7 .9 .2 .2 .2 .5 .5 .5
225. * 1.1 1.1 1.1 .8 .5 .2 .0 1.1 1.4 .9 .5 .5 .7 1.0 .2 .2 .2 .5 .5 .5
230. * 1.0 1.0 1.0 .8 .5 .2 .0 1.1 1.4 .7 .4 .5 .8 1.0 .2 .2 .2 .5 .5 .4
235. * 1.0 1.0 1.0 .7 .5 .2 .1 1.1 1.3 .7 .3 .3 .9 1.0 .2 .2 .2 .4 .5 .4
240. * 1.0 1.0 1.0 .6 .5 .2 .1 1.1 1.2 .5 .3 .3 .9 1.0 .0 .2 .2 .4 .5 .5
245. * .9 .9 .9 .6 .5 .2 .1 1.1 1.2 .4 .3 .4 .9 .9 .0 .2 .2 .4 .5 .5
250. * .9 .9 .9 .6 .5 .2 .1 1.1 1.2 .5 .4 .5 .9 .9 .0 .2 .2 .4 .5 .4
255. * .9 .9 .9 .6 .5 .2 .1 1.1 1.2 .5 .5 .6 .9 .9 .0 .1 .2 .4 .5 .4
260. * .9 .9 .9 .6 .4 .2 .1 1.2 1.2 .5 .6 .6 .9 .9 .0 .1 .2 .4 .5 .4
265. * .9 .9 .9 .6 .4 .2 .1 1.2 1.1 .4 .6 .7 .9 .9 .0 .1 .2 .3 .6 .4
270. * .9 .9 .9 .6 .4 .2 .1 1.2 1.2 .4 .6 .7 1.0 1.0 .0 .0 .2 .3 .5 .4
275. * .9 .9 .9 .6 .4 .2 .1 1.2 1.2 .5 .5 .7 1.0 .9 .0 .1 .2 .3 .6 .4
280. * .9 .9 .9 .6 .4 .2 .1 1.0 1.0 .5 .5 .8 1.0 .8 .1 .1 .2 .3 .5 .4
285. * .9 .9 .9 .6 .4 .2 .1 1.0 .9 .6 .5 .8 .9 .6 .1 .2 .2 .4 .5 .4
290. * .9 .9 .9 .6 .5 .3 .2 1.0 .8 .6 .5 .8 .8 .7 .1 .2 .1 .4 .5 .4
295. * .9 .9 .9 .6 .4 .3 .2 1.0 .8 .6 .5 .8 .9 .6 .1 .2 .2 .4 .4 .4
300. * .9 .9 .9 .6 .4 .3 .2 .9 .8 .5 .6 1.0 .8 .6 .1 .1 .2 .2 .4 .5
305. * .9 .9 .9 .5 .5 .4 .3 .8 .8 .4 .7 .9 .9 .6 .0 .1 .2 .3 .5 .5
310. * 1.0 1.0 .9 .7 .6 .5 .3 .7 .7 .4 .7 .9 .9 .6 .0 .0 .1 .3 .5 .5
315. * 1.0 1.0 1.0 .7 .7 .6 .3 .6 .7 .5 .6 .8 .8 .5 .0 .0 .1 .3 .5 .4
320. * 1.0 1.0 1.1 .7 .5 .4 .4 .6 .5 .3 .7 .8 .7 .5 .0 .0 .0 .1 .5 .4
325. * 1.0 1.0 1.1 .8 .6 .4 .6 .4 .4 .3 .6 .8 .7 .5 .0 .0 .0 .1 .3 .3
330. * 1.1 1.2 1.2 .8 .4 .6 .6 .4 .3 .3 .6 .7 .7 .5 .0 .0 .0 .0 .3 .2
335. * 1.3 1.3 1.2 .6 .7 .7 .7 .1 .3 .3 .6 .7 .6 .5 .0 .0 .0 .0 .1 .2
340. * 1.3 1.3 1.3 .6 .8 .8 .8 .1 .3 .3 .6 .7 .7 .6 .0 .0 .0 .0 .1 .1
345. * 1.2 1.3 1.2 .6 .8 .8 .7 .1 .2 .3 .4 .6 .7 .6 .0 .0 .0 .0 .1 .0
350. * 1.2 1.1 1.3 .7 .7 .8 .7 .0 .1 .3 .4 .6 .5 .6 .0 .0 .0 .0 .0 .0
355. * 1.1 1.2 1.2 .7 .8 .7 .7 .0 .1 .2 .4 .5 .5 .6 .1 .1 .0 .0 .0 .0
360. * 1.1 1.1 .9 .6 .7 .6 .6 .0 .0 .1 .2 .4 .5 .5 .1 .1 .1 .0 .0 .0
-----*-----
MAX * 1.3 1.3 1.3 .8 .8 .8 .8 1.2 1.4 1.2 .8 1.0 1.0 1.0 .7 1.0 1.3 .8 1.0 .8
DEGR. * 335 335 340 205 340 340 340 260 215 195 195 300 270 195 175 180 175 140 170 170
```

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

```
WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28
-----*-----
0. * .0 1.0 .9 1.0 .5 .4 .4 .2
5. * .0 1.0 .9 1.0 .4 .4 .5 .3
10. * .0 .9 .8 .8 .4 .6 .6 .4
15. * .0 .9 .8 .7 .5 .7 .4 .3
20. * .0 .9 .8 .9 .6 .7 .4 .4
25. * .0 .9 .7 1.0 .6 .7 .3 .6
30. * .0 .8 .9 1.0 .6 .5 .5 .6
35. * .0 .8 1.0 .9 .6 .4 .5 .6
40. * .0 .8 1.2 .9 .4 .3 .4 .7
45. * .0 1.0 1.2 .8 .4 .3 .4 .8
50. * .0 1.0 1.2 .8 .4 .3 .6 .8
55. * .0 1.0 1.1 .5 .4 .3 .7 .8
60. * .0 1.0 1.1 .5 .4 .3 .7 .9
65. * .1 1.0 1.0 .5 .3 .4 .7 .9
70. * .1 1.0 1.0 .3 .3 .4 .8 .9
75. * .1 1.1 1.1 .3 .4 .5 .8 .9
80. * .1 1.1 1.1 .3 .4 .5 .8 .8
85. * .1 1.1 1.1 .3 .3 .5 .9 .9
90. * .1 1.2 1.0 .4 .4 .5 .9 .8
95. * .1 1.3 1.0 .3 .6 .7 .9 .8
100. * .2 1.4 1.1 .4 .6 .7 .8 .7
105. * .2 1.2 1.0 .5 .6 .7 .7 .8
110. * .2 1.2 .9 .6 .7 .7 .8 .8
115. * .2 1.2 .9 .6 .8 .8 .8 .7
120. * .3 1.1 .9 .7 .9 .9 .7 .8
125. * .2 1.0 .9 .6 .6 .8 .7 .7
130. * .2 .9 .8 .6 .5 .6 .6 .7
135. * .3 .7 .6 .5 .5 .6 .7 .7
140. * .4 .6 .7 .4 .7 .6 .7 .7
145. * .3 .5 .4 .3 .6 .6 .7 .7
150. * .4 .4 .4 .4 .6 .6 .7 .7
155. * .6 .4 .3 .4 .6 .7 .7 .6
160. * .6 .2 .4 .4 .6 .7 .6 .6
```



165.	*	.7	.2	.3	.4	.6	.6	.6	.7
170.	*	.6	.0	.3	.4	.4	.6	.6	.6
175.	*	.6	.0	.1	.3	.4	.5	.5	.6
180.	*	.6	.0	.0	.2	.3	.4	.5	.6
185.	*	.6	.0	.0	.0	.2	.2	.3	.3
190.	*	.5	.0	.0	.0	.0	.2	.2	.3
195.	*	.4	.0	.0	.0	.0	.0	.1	.1
200.	*	.4	.0	.0	.0	.0	.0	.0	.1
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.4	.0	.0	.0	.0	.0	.0	.0
220.	*	.4	.0	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.5	.2	.1	.1	.0	.0	.0	.0
310.	*	.5	.3	.3	.1	.1	.0	.0	.0
315.	*	.4	.4	.4	.4	.2	.1	.0	.0
320.	*	.4	.6	.5	.4	.4	.1	.0	.0
325.	*	.3	.8	.7	.6	.4	.2	.1	.0
330.	*	.2	1.0	.9	.7	.7	.4	.2	.1
335.	*	.1	1.2	.9	.8	.7	.4	.1	.1
340.	*	.0	1.1	1.1	1.0	.6	.4	.2	.1
345.	*	.0	1.2	.9	.9	.7	.4	.3	.1
350.	*	.0	1.2	.9	.9	.6	.3	.3	.1
355.	*	.0	1.0	.9	1.0	.6	.3	.3	.3
360.	*	.0	1.0	.9	1.0	.5	.4	.4	.2
MAX	*	.7	1.4	1.2	1.0	.9	.9	.9	.9
DEGR.	*	165	100	40	0	120	120	85	60

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 215 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 100 DEGREES FROM REC22.  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC1 .

PurpleLine - S10 LOWLRT 2015 AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 LOWLRT 2015 AM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 1170 3.5 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	835 3.5 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150	83	2.0 835 37.8 1675 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	265 3.5 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150	127	2.0 265 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	1165 3.5 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	1165 3.5 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	2350 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	2350 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1980 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150	78	2.0 1980 37.8 1673 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	185 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150	122	2.0 185 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	2635 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1520 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	960 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150	101	2.0 960 37.8 1612 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	90 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150	136	2.0 90 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1215 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1215 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1685 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1260 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150	95	2.0 1260 37.8 1654 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	185 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150	130	2.0 185 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1710 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1710 3.5 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	70	3.5	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	70	3.5	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	185	3.5	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	185	3.5	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	470	3.5	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	470	3.5	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	470	3.5	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	470	3.5	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	240	3.5	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	240	3.5	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	240	3.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 LOWLRT 2015 AM  
DATE: 12/20/2007 TIME: 07:59:04.98

RUN: PurpleLine S10 LOWLRT 2015 AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.7	970.4	*	126.	186. AG	168.	100.0	.0	36.0	.40 6.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1307.3	1018.7	*	92.	185. AG	172.	100.0	.0	24.0	.61 4.7
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1347.0	1674.0	*	301.	6. AG	158.	100.0	.0	36.0	.87 15.3
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.5	1470.9	*	123.	5. AG	82.	100.0	.0	12.0	.65 6.3
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	960.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1100.1	1453.6	*	177.	318. AG	205.	100.0	.0	36.0	.66 9.0
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	90.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1184.6	1395.1	*	76.	319. AG	92.	100.0	.0	12.0	.76 3.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1215.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1215.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	70.	3.5	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	470.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	470.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	

JOB: PurpleLine - S10 LOWLRT 2015 AM  
DATE: 12/20/2007 TIME: 07:59:04.98

RUN: PurpleLine S10 LOWLRT 2015 AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	83	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650sbTq	150	78	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	122	2.0	185	1770	37.80	1	3
17. 0	650ebTq	150	101	2.0	960	1612	37.80	1	3
19. 0	650ebLq	150	136	2.0	90	1770	37.80	1	3
24. 0	650wbT	150	95	2.0	1260	1654	37.80	1	3
26. 0	650wbL	150	130	2.0	185	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5.	*	.3	.3	.3	.3	.6	.6	.3	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10.	*	.2	.2	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0
15.	*	.3	.3	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.3	.4	.7	.4	.0	.0
20.	*	.1	.1	.2	.4	.6	.4	.2	.0	.0	.0	.0	.1	.1	.4	.6	.8	.5	.1	.0
25.	*	.1	.1	.1	.4	.6	.4	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.6	.1	.0
30.	*	.1	.1	.1	.5	.6	.3	.2	.0	.0	.0	.0	.0	.0	.4	.6	1.0	.6	.1	.1
35.	*	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
40.	*	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
45.	*	.1	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.9	.6	.2	.1
50.	*	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0
55.	*	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0
60.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.8	.6	.2	.1
65.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.1
70.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
75.	*	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
80.	*	.0	.0	.0	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
85.	*	.0	.0	.0	.5	.3	.2	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
90.	*	.0	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
95.	*	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
100.	*	.0	.0	.1	.2	.4	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
105.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
110.	*	.0	.0	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2
115.	*	.0	.0	.1	.3	.3	.4	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
120.	*	.0	.0	.0	.3	.3	.4	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3
125.	*	.0	.0	.0	.2	.3	.4	.3	.2	.4	.3	.0	.0	.0	.4	.7	.7	.7	.3	.3
130.	*	.0	.0	.0	.1	.3	.3	.3	.4	.4	.1	.0	.0	.0	.4	.7	.8	.7	.3	.3
135.	*	.0	.0	.0	.0	.2	.1	.1	.4	.7	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4
140.	*	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.4	.1	.0	.5	.8	.8	.8	.4	.2
145.	*	.0	.0	.0	.0	.0	.0	.1	.6	.9	.8	.3	.1	.0	.5	.8	.9	.7	.6	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	.8	.4	.2	.1	.0	.6	.9	1.1	.7	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.0	.4	.2	.1	.1	.7	.9	1.1	.7	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.5	.2	.1	.1	.8	1.0	1.1	.4	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.5	.2	.1	.1	.8	.9	1.0	.4	.8
170.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.9	.5	.2	.2	.2	.8	1.0	1.1	.4	.8
175.	*	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.9	.9	.9	.4	.7
180.	*	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.8	.8	.7	.4	.7
185.	*	.2	.2	.2	.1	.0	.0	.0	.8	.9	.8	.5	.4	.2	.3	.6	.6	.6	.2	.7
190.	*	.2	.2	.2	.2	.0	.0	.0	.9	.9	.8	.5	.5	.3	.3	.5	.5	.6	.3	.6
195.	*	.2	.3	.3	.2	.0	.0	.0	.8	.9	.8	.5	.6	.4	.6	.4	.5	.5	.3	.6
200.	*	.3	.3	.3	.2	.1	.0	.0	.8	1.0	.9	.6	.3	.4	.6	.3	.4	.4	.3	.6
205.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.4	.6	.1	.3	.3	.3	.6

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.5	.7	.1	.1	.2	.4	.6
215.	*	.3	.3	.3	.3	.1	.1	.1	.9	1.0	.9	.6	.3	.7	.6	.1	.1	.2	.4	.6
220.	*	.3	.3	.3	.3	.1	.1	.1	1.0	1.0	.8	.3	.3	.7	.7	.1	.2	.2	.4	.6
225.	*	.3	.3	.3	.4	.1	.1	.1	1.0	1.1	.7	.3	.3	.6	.7	.0	.2	.2	.3	.6
230.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.1	.6	.3	.4	.6	.7	.0	.2	.2	.3	.5
235.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.3	.4	.7	.7	.0	.1	.2	.3	.5
240.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.1	.5	.3	.4	.7	.6	.0	.1	.2	.3	.5
245.	*	.3	.3	.3	.6	.1	.1	.1	1.0	1.1	.3	.3	.3	.7	.5	.0	.0	.2	.3	.4
250.	*	.3	.3	.3	.6	.1	.1	.1	1.1	1.2	.3	.3	.4	.7	.6	.0	.1	.2	.3	.4
255.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.4
260.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.2
265.	*	.3	.3	.3	.6	.2	.1	.1	1.3	1.1	.3	.3	.6	.7	.5	.0	.0	.1	.2	.2
270.	*	.3	.3	.3	.7	.2	.1	.1	1.3	1.1	.3	.4	.6	.7	.5	.0	.0	.1	.2	.2
275.	*	.3	.3	.3	.7	.3	.2	.1	1.3	1.1	.2	.4	.6	.7	.4	.0	.0	.1	.2	.3

280.	*	.3	.3	.3	.7	.3	.2	.1	1.2	1.1	.2	.5	.6	.6	.4	.0	.0	.1	.2	.3	.3
285.	*	.3	.3	.3	.7	.3	.2	.1	1.2	.9	.2	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
290.	*	.3	.3	.3	.7	.3	.2	.2	1.1	.9	.3	.4	.7	.6	.4	.0	.0	.1	.2	.4	.3
295.	*	.3	.3	.4	.7	.3	.2	1.1	.8	.4	.4	.4	.7	.4	.4	.0	.1	.1	.2	.4	.3
300.	*	.3	.3	.4	.5	.4	.3	.3	.8	.8	.5	.4	.6	.4	.4	.0	.1	.2	.2	.4	.4
305.	*	.3	.3	.4	.5	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.0	.0	.1	.2	.5	.4
310.	*	.3	.3	.4	.5	.2	.1	.6	.6	.5	.5	.5	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.3	.3	.6	.5	.3	.3	.2	.4	.4	.6	.5	.5	.5	.4	.0	.0	.0	.3	.4	.4
320.	*	.3	.3	.6	.5	.4	.4	.3	.4	.5	.4	.5	.5	.6	.5	.0	.0	.0	.1	.4	.4
325.	*	.3	.3	.7	.5	.3	.5	.6	.3	.3	.4	.5	.5	.6	.5	.0	.0	.0	.3	.2	.2
330.	*	.3	.3	.8	.6	.5	.6	.6	.3	.3	.3	.5	.6	.5	.5	.0	.0	.0	.2	.2	.2
335.	*	.3	.5	1.0	.5	.6	.6	.6	.1	.2	.3	.5	.6	.5	.6	.0	.0	.0	.1	.1	.1
340.	*	.3	.5	1.0	.5	.7	.7	.5	.1	.1	.3	.4	.5	.5	.5	.0	.0	.0	.1	.0	.0
345.	*	.4	.5	.7	.4	.7	.7	.5	.0	.1	.3	.4	.5	.6	.5	.1	.0	.0	.0	.0	.0
350.	*	.4	.5	.8	.4	.7	.7	.5	.0	.0	.2	.3	.5	.5	.5	.1	.0	.1	.0	.0	.0
355.	*	.4	.5	.8	.5	.7	.7	.4	.0	.0	.0	.3	.4	.5	.3	.1	.1	.3	.0	.0	.0
360.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
-----																					
MAX	*	.4	.5	1.0	.7	.7	.7	.6	1.3	1.2	1.0	.7	.7	.7	.7	.9	1.0	1.1	.8	.8	.7
DEGR.	*	345	0	335	270	340	340	325	265	250	155	205	285	215	210	175	160	150	135	165	160

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JOB: PurpleLine - S10 LOWLRT 2015 AM

RUN: PurpleLine S10 LOWLRT 2015 AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.3	.8	.7	.5	.4	.4	.3
5.	.0	.3	.8	.7	.6	.5	.3	.3
10.	.0	.3	.8	.8	.6	.5	.5	.4
15.	.0	.4	.8	.9	.5	.5	.6	.5
20.	.0	.4	.8	1.0	.5	.6	.7	.5
25.	.0	.4	.7	1.0	.4	.5	.4	.6
30.	.0	.5	.8	.9	.5	.6	.4	.6
35.	.0	.5	.8	1.0	.5	.4	.5	.7
40.	.0	.6	.9	1.0	.6	.3	.5	.7
45.	.1	.7	.9	.8	.5	.3	.5	.7
50.	.1	.8	.9	.7	.5	.3	.7	.7
55.	.1	.8	.9	.7	.2	.3	.8	.7
60.	.0	.9	1.0	.6	.2	.3	.8	.7
65.	.0	1.0	1.0	.6	.2	.4	.7	.6
70.	.0	1.0	1.0	.5	.2	.4	.8	.6
75.	.0	1.0	1.0	.4	.2	.5	.8	.5
80.	.1	1.0	1.0	.4	.2	.5	.8	.5
85.	.1	1.0	1.0	.4	.3	.4	.8	.4
90.	.1	1.1	1.1	.4	.5	.5	.8	.4
95.	.2	1.1	1.0	.3	.5	.6	.8	.3
100.	.2	1.1	1.0	.3	.5	.6	.7	.3
105.	.2	.9	.8	.5	.6	.6	.6	.3
110.	.2	.9	.7	.5	.6	.6	.6	.3
115.	.2	.9	.8	.5	.4	.5	.6	.3
120.	.2	.9	.7	.5	.4	.6	.4	.3
125.	.3	.9	.6	.4	.7	.6	.4	.3
130.	.2	.8	.5	.4	.5	.7	.5	.3
135.	.3	.5	.4	.3	.5	.7	.5	.3
140.	.3	.4	.3	.4	.5	.5	.4	.4
145.	.3	.3	.2	.4	.5	.5	.4	.4
150.	.5	.2	.2	.4	.5	.5	.5	.4
155.	.5	.1	.1	.3	.5	.5	.5	.5
160.	.6	.1	.1	.1	.5	.3	.5	.5
165.	.6	.1	.1	.1	.2	.3	.3	.5
170.	.4	.1	.1	.1	.2	.2	.4	.4
175.	.4	.1	.1	.1	.2	.2	.3	.4
180.	.3	.0	.1	.1	.1	.2	.3	.4
185.	.3	.0	.0	.1	.1	.2	.2	.3
190.	.3	.0	.0	.0	.1	.1	.2	.3
195.	.3	.0	.0	.0	.0	.1	.1	.2
200.	.3	.0	.0	.0	.0	.0	.1	.1
205.	.3	.0	.0	.0	.0	.0	.0	.1

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JOB: PurpleLine - S10 LOWLRT 2015 AM

RUN: PurpleLine S10 LOWLRT 2015 AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0

230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.1	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.5	.2	.2	.0	.0	.0
330.	*	.1	.4	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.7	.6	.3	.1	.1	.0
340.	*	.0	.5	.7	.6	.4	.1	.1	.1
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.4	.7	.7	.5	.3	.1	.2
355.	*	.0	.4	.8	.7	.5	.3	.3	.2
360.	*	.0	.3	.8	.7	.5	.4	.4	.3
-----									
MAX	*	.6	1.1	1.1	1.0	.7	.7	.8	.7
DEGR.	*	160	90	90	20	125	130	55	35

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 265 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC17.

PurpleLine - S10 LOWLRT 2015 PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 LOWLRT 2015 PM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 2530 3.7 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	1865 3.7 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150		2.0 1865 37.8 1671 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	470 3.7 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150		2.0 470 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	2200 3.7 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	2200 3.7 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	1515 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	1515 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1120 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150		2.0 1120 37.8 1678 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	315 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150		2.0 315 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	1725 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	2000 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1510 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150		2.0 1510 37.8 1645 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	370 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150		2.0 370 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	2020 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	2020 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	2010 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	995 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150		2.0 995 37.8 1664 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	235 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150		2.0 235 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	2110 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	2110 3.5 0 56 30.
1			



0		650nbR	AG	1297.	505.	1350.	1048.	195	3.7	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	195	3.7	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	80	3.5	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	80	3.5	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	370	3.5	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	370	3.5	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	370	3.5	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	370	3.5	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	215	3.5	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	215	3.5	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	215	3.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 LOWLRT 2015 PM  
DATE: 12/20/2007 TIME: 07:59:21.35

RUN: PurpleLine S10 LOWLRT 2015 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.7	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.7	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1301.9	675.6	*	422.	186. AG	183.	100.0	.0	36.0	1.00 21.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.7	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1300.8	951.2	*	160.	185. AG	161.	100.0	.0	24.0	.76 8.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.7	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.7	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.4	1565.6	*	192.	6. AG	191.	100.0	.0	36.0	.64 9.7
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1725.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1510.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1019.7	1543.4	*	297.	318. AG	193.	100.0	.0	36.0	.90 15.1
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	370.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	-536.7	3344.4	*	2677.	319. AG	91.	100.0	.0	12.0	2.62 136.0
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2020.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2020.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	995.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1562.5	1060.9	*	161.	133. AG	180.	100.0	.0	36.0	.52 8.2
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.7	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	195.	3.7	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	370.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	370.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	

JOB: PurpleLine - S10 LOWLRT 2015 PM  
DATE: 12/20/2007 TIME: 07:59:21.35

RUN: PurpleLine S10 LOWLRT 2015 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	94	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650ebTq	150	95	2.0	1510	1645	37.80	1	3
19. 0	650ebLq	150	134	2.0	370	1770	37.80	1	3
24. 0	650wbT	150	89	2.0	995	1664	37.80	1	3
26. 0	650wbL	150	128	2.0	235	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWLRT 2015 PM

RUN: PurpleLine S10 LOWLRT 2015 PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.1	1.1	1.1	.4	.7	.5	.5	.0	.0	.1	.3	.4	.5	.5	.1	.1	.1	.0	.0
5.	*	.9	1.0	.7	.2	.7	.5	.5	.0	.0	.0	.1	.4	.5	.4	.2	.3	.4	.0	.0
10.	*	.5	.7	.6	.3	.7	.5	.5	.0	.0	.0	.1	.2	.4	.4	.5	.4	.4	.2	.0
15.	*	.4	.5	.4	.2	.7	.5	.4	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0
20.	*	.3	.4	.4	.3	.6	.4	.4	.0	.0	.0	.1	.2	.1	.5	.4	.4	.4	.0	.0
25.	*	.3	.4	.3	.3	.6	.4	.3	.0	.0	.0	.1	.1	.1	.5	.4	.3	.5	.0	.0
30.	*	.2	.2	.2	.4	.6	.4	.3	.0	.0	.0	.0	.1	.1	.4	.5	.4	.5	.2	.0
35.	*	.1	.2	.2	.4	.6	.4	.3	.0	.0	.0	.0	.1	.1	.4	.5	.4	.6	.2	.0
40.	*	.0	.2	.2	.4	.6	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1
45.	*	.0	.2	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1
50.	*	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1
55.	*	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1
60.	*	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.4	.3	.5	.7	.3	.1
65.	*	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
70.	*	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
75.	*	.0	.0	.2	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1
80.	*	.0	.0	.2	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1
85.	*	.1	.1	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
90.	*	.1	.2	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
95.	*	.1	.2	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.2
100.	*	.1	.2	.2	.2	.5	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
105.	*	.1	.2	.2	.3	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
110.	*	.0	.2	.2	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
115.	*	.0	.1	.2	.4	.5	.6	.6	.1	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3
120.	*	.0	.0	.1	.4	.6	.6	.5	.1	.2	.0	.0	.0	.0	.3	.3	.8	.7	.3	.3
125.	*	.0	.0	.1	.3	.6	.5	.4	.3	.4	.2	.0	.0	.0	.3	.3	.8	.7	.3	.3
130.	*	.0	.0	.0	.2	.5	.4	.4	.3	.5	.4	.2	.0	.0	.3	.3	.8	.6	.4	.4
135.	*	.0	.0	.0	.1	.3	.3	.2	.4	.6	.6	.3	.1	.0	.4	.4	1.0	.6	.4	.4
140.	*	.0	.0	.0	.0	.2	.2	.1	.4	.7	.7	.5	.2	.0	.4	.5	1.0	.7	.5	.4
145.	*	.0	.0	.0	.0	.2	.1	.1	.4	.9	.9	.5	.2	.0	.4	.5	1.0	.7	.4	.4
150.	*	.0	.0	.0	.0	.0	.0	.1	.4	.9	.8	.5	.2	.0	.4	.6	1.0	.7	.4	.6
155.	*	.0	.0	.0	.0	.0	.0	.0	.3	1.0	.8	.5	.3	.2	.1	.5	.7	1.1	.6	.7
160.	*	.0	.0	.0	.0	.0	.0	.0	.4	.8	.8	.5	.4	.2	.1	.6	.8	1.0	.8	.9
165.	*	.1	.1	.2	.0	.0	.0	.0	.4	.8	.8	.5	.4	.3	.2	.6	.7	1.0	.8	.9
170.	*	.1	.2	.2	.0	.0	.0	.0	.4	.9	.8	.4	.4	.3	.2	.6	.8	1.2	.6	1.0
175.	*	.2	.2	.4	.0	.0	.0	.0	.3	.9	.8	.5	.6	.3	.7	1.0	1.3	.4	.9	.8
180.	*	.3	.4	.5	.2	.0	.0	.0	.3	.9	.8	.5	.4	.5	.5	.7	.9	1.0	.5	.9
185.	*	.6	.7	.8	.2	.0	.0	.0	.3	.9	.8	.5	.6	.7	.6	.7	.8	.8	.5	.8
190.	*	.7	.8	.9	.4	.0	.0	.0	.3	.8	.9	.7	.7	.6	.7	.2	.5	.6	.4	.8
195.	*	.8	.9	1.0	.5	.0	.0	.0	.4	.8	1.0	.8	.7	.7	.9	.4	.4	.5	.3	.7
200.	*	.8	1.0	1.0	.6	.1	.0	.0	.4	1.0	1.1	.8	.8	.7	.8	.3	.3	.3	.4	.7
205.	*	.9	1.0	1.1	.7	.3	.0	.0	.4	1.1	1.0	.8	.7	.6	.8	.2	.2	.2	.4	.7

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JOB: PurpleLine - S10 LOWLRT 2015 PM

RUN: PurpleLine S10 LOWLRT 2015 PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.9	1.0	1.1	.7	.3	.0	.0	.7	1.1	1.1	.6	.5	.7	.9	.2	.2	.2	.5	.7
215.	*	1.0	1.0	1.1	.7	.3	.1	.0	.7	1.2	1.0	.7	.5	.8	.9	.2	.2	.2	.5	.7
220.	*	1.0	1.0	1.0	.8	.3	.2	.0	.7	1.2	.9	.6	.5	.7	1.0	.2	.2	.3	.5	.7
225.	*	1.0	1.0	1.0	.8	.4	.2	.0	.8	1.2	.8	.5	.5	.7	1.0	.2	.2	.3	.5	.7
230.	*	1.0	1.0	1.0	.8	.4	.2	.0	.8	1.3	.7	.5	.5	.9	1.0	.2	.2	.3	.5	.7
235.	*	.9	.9	.9	.8	.4	.2	.1	.9	1.3	.7	.5	.5	.9	1.0	.2	.2	.3	.5	.7
240.	*	.9	.9	.9	.7	.4	.2	.1	.9	1.2	.6	.4	.5	.9	1.0	.1	.2	.3	.5	.7
245.	*	.8	.8	.8	.7	.4	.2	.1	.9	1.2	.5	.4	.5	1.0	1.0	.0	.2	.3	.5	.7
250.	*	.8	.8	.8	.7	.4	.2	.1	1.1	1.2	.4	.4	.6	1.0	1.0	.0	.2	.3	.5	.7
255.	*	.8	.8	.8	.7	.5	.2	.1	1.1	1.2	.4	.3	.7	.9	.9	.0	.2	.3	.5	.7
260.	*	.8	.8	.8	.7	.4	.2	.1	1.1	1.2	.4	.5	.7	1.0	.9	.0	.1	.3	.5	.7
265.	*	.8	.8	.8	.7	.5	.2	.1	1.2	1.0	.4	.5	.8	1.1	1.0	.0	.1	.3	.5	.8
270.	*	.8	.8	.9	.7	.5	.2	.1	1.2	1.1	.4	.6	1.0	1.1	1.0	.0	.1	.3	.5	.9
275.	*	.8	.8	.9	.7	.5	.3	.1	1.1	1.1	.4	.5	1.0	1.1	1.1	.0	.2	.3	.5	.7

280.	*	.8	.8	.9	.7	.5	.3	.1	1.0	.9	.4	.5	1.1	1.1	.9	.1	.2	.3	.5	.7	.5
285.	*	.8	.8	.9	.7	.4	.3	.1	.9	.8	.6	.5	1.0	1.1	.9	.1	.3	.3	.5	.7	.5
290.	*	.8	.8	1.0	.7	.3	.4	.2	1.0	.8	.5	.7	.9	1.1	.8	.2	.3	.2	.5	.6	.5
295.	*	.8	.8	1.0	.7	.4	.4	.3	1.0	.8	.5	.8	.9	1.0	.8	.2	.3	.3	.4	.7	.5
300.	*	.8	.8	1.0	.6	.5	.4	.3	1.0	.8	.6	.7	1.1	1.0	.9	.2	.3	.3	.4	.7	.7
305.	*	.8	.8	1.0	.5	.4	.4	.2	.9	.8	.6	.8	1.1	1.1	.8	.0	.2	.3	.4	.7	.7
310.	*	.9	.9	1.1	.6	.6	.4	.3	.7	.7	.5	.8	1.1	1.0	.7	.0	.0	.3	.4	.7	.7
315.	*	.9	.9	1.2	.7	.5	.5	.6	.7	.7	.6	.9	1.0	.9	.5	.0	.0	.2	.4	.6	.5
320.	*	.9	1.0	1.3	.7	.7	.7	.6	.7	.7	.5	.8	.9	.7	.5	.0	.0	.0	.3	.6	.5
325.	*	1.0	1.2	1.5	.8	.6	.7	.5	.4	.4	.4	.6	.8	.7	.5	.0	.0	.0	.1	.5	.5
330.	*	1.0	1.3	1.5	.8	.9	.7	.6	.3	.2	.3	.6	.8	.7	.5	.0	.0	.0	.0	.3	.2
335.	*	1.3	1.4	1.5	.6	.8	.8	.7	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.2
340.	*	1.3	1.4	1.4	.5	.9	.8	.7	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.3	1.4	1.4	.5	.9	.8	.6	.1	.2	.3	.4	.7	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.2	1.2	1.3	.5	.8	.8	.5	.0	.1	.3	.4	.7	.5	.6	.0	.0	.0	.0	.0	.0
355.	*	1.1	1.2	1.3	.5	.8	.7	.5	.0	.1	.2	.4	.6	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.1	1.1	.4	.7	.5	.5	.0	.0	.1	.3	.4	.5	.5	.1	.1	.1	.0	.0	.0
-----																					
MAX	*	1.3	1.4	1.5	.8	.9	.8	.7	1.2	1.3	1.1	.9	1.1	1.1	1.1	.7	1.0	1.3	.8	1.0	1.0
DEGR.	*	335	335	325	220	330	335	335	265	230	200	315	300	265	275	175	175	175	160	155	170

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JOB: PurpleLine - S10 LOWLRT 2015 PM

RUN: PurpleLine S10 LOWLRT 2015 PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.9	1.0	.8	.5	.4	.4	.3
5.	*	.0	.8	.9	.8	.5	.5	.4	.4
10.	*	.0	.8	.9	.8	.4	.6	.5	.4
15.	*	.0	.8	.8	.8	.6	.7	.4	.4
20.	*	.0	.8	.8	1.0	.7	.7	.4	.5
25.	*	.0	.8	.8	1.0	.6	.7	.3	.6
30.	*	.0	.8	.9	.9	.6	.4	.5	.6
35.	*	.0	.8	1.0	.9	.6	.2	.6	.7
40.	*	.0	1.0	1.1	1.1	.4	.2	.5	.8
45.	*	.0	1.0	1.1	1.0	.4	.3	.5	1.0
50.	*	.0	1.0	1.1	.8	.4	.3	.6	1.0
55.	*	.0	1.0	1.1	.7	.4	.4	.8	1.0
60.	*	.1	1.0	1.0	.5	.4	.3	.8	1.0
65.	*	.1	1.0	1.0	.5	.3	.3	.8	1.0
70.	*	.1	1.0	1.0	.3	.3	.3	.9	1.0
75.	*	.1	1.1	1.0	.3	.3	.4	.9	.9
80.	*	.1	1.1	1.0	.3	.3	.4	.9	.8
85.	*	.1	1.1	1.1	.3	.2	.4	1.0	.8
90.	*	.1	1.1	1.1	.3	.4	.5	1.0	.7
95.	*	.1	1.2	1.0	.4	.4	.7	.9	.7
100.	*	.2	1.3	.9	.3	.4	.7	.8	.8
105.	*	.2	1.3	.9	.4	.4	.7	.7	.9
110.	*	.2	1.2	.8	.5	.5	.6	.9	.7
115.	*	.2	1.0	.7	.5	.5	.9	.9	.6
120.	*	.3	.9	.8	.6	.9	.8	.8	.6
125.	*	.3	.8	.7	.6	.7	.7	.8	.6
130.	*	.3	.6	.5	.5	.7	.6	.7	.6
135.	*	.3	.5	.5	.5	.5	.6	.8	.6
140.	*	.5	.4	.6	.6	.6	.6	.8	.6
145.	*	.5	.4	.4	.4	.6	.6	.7	.6
150.	*	.6	.5	.4	.4	.6	.7	.7	.6
155.	*	.8	.3	.4	.4	.6	.7	.7	.5
160.	*	.8	.2	.3	.4	.5	.6	.5	.5
165.	*	.9	.2	.3	.4	.5	.6	.5	.6
170.	*	.8	.0	.2	.3	.3	.5	.5	.5
175.	*	.8	.0	.1	.2	.3	.4	.4	.5
180.	*	.8	.0	.0	.1	.2	.3	.4	.5
185.	*	.8	.0	.0	.0	.1	.1	.2	.2
190.	*	.7	.0	.0	.0	.0	.1	.1	.2
195.	*	.6	.0	.0	.0	.0	.0	.1	.1
200.	*	.6	.0	.0	.0	.0	.0	.0	.1
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine - S10 LOWLRT 2015 PM

RUN: PurpleLine S10 LOWLRT 2015 PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0

230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.4	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.0	.0	.0	.0
270.	*	.4	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.0	.0	.0	.0	.0	.0	.0
280.	*	.4	.0	.0	.0	.0	.0	.0	.0
285.	*	.5	.0	.0	.0	.0	.0	.0	.0
290.	*	.5	.0	.0	.0	.0	.0	.0	.0
295.	*	.5	.0	.0	.0	.0	.0	.0	.0
300.	*	.5	.0	.0	.0	.0	.0	.0	.0
305.	*	.6	.1	.1	.0	.0	.0	.0	.0
310.	*	.6	.3	.3	.1	.0	.0	.0	.0
315.	*	.5	.3	.4	.3	.2	.0	.0	.0
320.	*	.5	.6	.6	.4	.3	.1	.0	.0
325.	*	.5	.8	.7	.6	.3	.3	.1	.0
330.	*	.2	.9	1.0	.7	.6	.3	.3	.1
335.	*	.1	1.1	1.2	.8	.6	.3	.3	.2
340.	*	.0	1.2	1.1	.9	.7	.5	.2	.2
345.	*	.0	1.0	1.1	.8	.6	.5	.3	.2
350.	*	.0	.9	1.0	.8	.5	.5	.3	.1
355.	*	.0	.9	1.0	.8	.5	.4	.3	.3
360.	*	.0	.9	1.0	.8	.5	.4	.4	.3
-----									
MAX	*	.9	1.3	1.2	1.1	.9	.9	1.0	1.0
DEGR.	*	165	100	335	40	120	115	85	45

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 325 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 335 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC1 .

S10	HIGHLRT	2015AM				60.0321.0.0000.000280.30480000	1	1
SE	MID	S	1341.	775.	5.0			
SE	164	S	1349.	856.	5.0			
SE	82	S	1357.	938.	5.0			
SE	CNR		1401.	1043.	5.0			
SE	82	E	1485.	981.	5.0			
SE	164	E	1546.	926.	5.0			
SE	MID	E	1608.	872.	5.0			
NE	MID	E	1582.	1083.	5.0			
NE	164	E	1521.	1138.	5.0			
NE	82	E	1466.	1200.	5.0			
NE	CNR		1422.	1281.	5.0			
NE	82	N	1402.	1367.	5.0			
NE	164	N	1402.	1449.	5.0			
NE	MID	N	1409.	1531.	5.0			
NW	MID	N	1317.	1719.	5.0			
NW	164	N	1310.	1638.	5.0			
NW	82	N	1302.	1555.	5.0			
NW	CNR		1267.	1462.	5.0			
NW	82	W	1178.	1495.	5.0			
NW	164	W	1126.	1560.	5.0			
NW	MID	W	1075.	1624.	5.0			
SW	MID	W	1062.	1408.	5.0			
SW	164	W	1113.	1342.	5.0			
SW	82	W	1160.	1272.	5.0			
SW	CNR		1206.	1204.	5.0			
SW	82	S	1226.	1123.	5.0			
SW	164	S	1237.	1038.	5.0			
SW	MID	S	1237.	955.	5.0			
SITE	10	HIGHLRT	2015AM			38	1	0
0	1	650nbAP	AG	1236.	15.	1271.	361.	1170 3.5 0 56 30.
0	1	650nbT	AG	1271.	361.	1355.	1221.	835 3.5 0 56 30.
0	2	650nbTq	AG	1343.	1096.	1304.	697.	0. 36 3
0	150	85	2.0	835	37.8	1675	1 3	
0	1	650nbL	AG	1247.	388.	1329.	1246.	265 3.5 0 32 30.
0	2	650nbLq	AG	1316.	1110.	1277.	702.	0. 12 1
0	150	127	2.0	265	37.8	1717	1 3	
0	1	650nbD	AG	1356.	1220.	1420.	2001.	1165 3.5 0 56 30.
0	1	650nbD	AG	1420.	2001.	1507.	2421.	1165 3.5 0 56 30.
0	1	650sbAP	AG	1463.	2422.	1386.	2066.	2350 3.5 0 56 30.
0	1	650sbAP	AG	1386.	2066.	1350.	1713.	2350 3.5 0 56 30.
0	1	650sbT	AG	1351.	1713.	1306.	1295.	1980 3.5 0 56 30.
0	2	650sbTq	AG	1315.	1375.	1349.	1693.	0. 36 3
0	150	78	2.0	1980	37.8	1673	1 3	
0	1	650sbL	AG	1372.	1706.	1331.	1273.	185 3.5 0 32 30.
0	2	650sbLq	AG	1338.	1348.	1370.	1691.	0. 12 1
0	150	120	2.0	185	37.8	1770	1 3	
0	1	650sbD	AG	1306.	1294.	1178.	15.	2635 3.5 0 56 30.
0	1	193wbAP	AG	2729.	161.	1679.	955.	1685 3.5 0 56 30.
0	1	193wbT	AG	1679.	954.	1336.	1269.	1260 3.5 0 56 30.
0	2	650wbT	AG	1444.	1170.	1670.	962.	0. 36 3
0	150	95	2.0	1260	37.8	1654	1 3	
0	1	193wbL	AG	1649.	949.	1334.	1233.	185 3.5 0 32 30.
0	2	650wbL	AG	1426.	1151.	1644.	954.	0. 12 1
0	150	130	2.0	185	37.8	1770	1 3	
0	1	193wbD	AG	1336.	1269.	1001.	1661.	1710 3.5 0 56 30.
0	1	193wbD	AG	1001.	1661.	429.	2424.	1710 3.5 0 56 30.
0	1	650nbR	AG	1297.	505.	1350.	1048.	70 3.5 0 32 30.
0	1	650nbR	AG	1353.	1047.	1426.	1070.	70 3.5 0 32 30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	185 3.5 0 32 30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	185 3.5 0 32 30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	240 3.5 0 32 30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	240 3.5 0 32 30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	240 3.5 0 32 30.
0	1	193ebAP	AG	321.	2423.	1023.	1497.	1520 3.5 0 56 30.
0	1							

0		193ebT	AG	1024.	1497.	1300.	1181.	960	3.5	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
	150		101	2.0	960	37.8	1612	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	90	3.5	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
	150		136	2.0	90	37.8	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	470	3.5	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	470	3.5	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	470	3.5	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	1215	3.5	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	1215	3.5	0	56	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

DATE: 12/20/2007 TIME: 08:21:59.16

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.4	967.4	*	129.	186. AG	172.	100.0	.0	36.0	.41 6.6
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1245.2	369.5	*	744.	185. AG	86.	100.0	.0	12.0	1.22 37.8
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1347.0	1674.0	*	301.	6. AG	158.	100.0	.0	36.0	.87 15.3
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.3	1468.9	*	121.	5. AG	81.	100.0	.0	12.0	.60 6.2
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	70.	3.5	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	960.	3.5	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	1076.5	1435.9	*	177.	319. AG	205.	100.0	.0	36.0	.66 9.0
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	90.	3.5	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1166.7	1375.1	*	76.	320. AG	92.	100.0	.0	12.0	.76 3.9
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	470.	3.5	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	1215.	3.5	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	1215.	3.5	.0	56.0	

JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

DATE: 12/20/2007 TIME: 08:21:59.16

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	85	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650nbTq	150	78	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	120	2.0	185	1770	37.80	1	3
17. 0	650wbT	150	95	2.0	1260	1654	37.80	1	3
19. 0	650wbL	150	130	2.0	185	1770	37.80	1	3
31. 0	193ebTQ	150	101	2.0	960	1612	37.80	1	3
33. 0	193ebLQ	150	136	2.0	90	1770	37.80	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*



17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.4	.5	.6	.4	.5	.5	.3	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5.	*	.3	.3	.4	.3	.5	.5	.3	.0	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10.	*	.2	.2	.3	.3	.5	.5	.3	.0	.0	.0	.1	.1	.1	.1	.3	.3	.5	.3	.0	.0
15.	*	.3	.3	.3	.3	.5	.4	.2	.0	.0	.0	.1	.1	.1	.1	.3	.4	.7	.4	.0	.0
20.	*	.1	.2	.2	.4	.5	.4	.2	.0	.0	.0	.0	.1	.1	.1	.4	.6	.8	.5	.1	.0
25.	*	.1	.1	.1	.4	.5	.3	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.6	.1	.0	
30.	*	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	1.0	.6	.1	.1	
35.	*	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	
40.	*	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	
45.	*	.1	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.9	.6	.2	.1	
50.	*	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	
55.	*	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	
60.	*	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.8	.6	.2	.1	
65.	*	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.1	
70.	*	.0	.0	.1	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	
75.	*	.0	.0	.1	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	
80.	*	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	
85.	*	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	
90.	*	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	
95.	*	.0	.0	.0	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	
100.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	
105.	*	.0	.0	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	
110.	*	.0	.0	.1	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2	
115.	*	.0	.0	.1	.3	.3	.3	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	
120.	*	.0	.0	.0	.2	.4	.3	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3	
125.	*	.0	.0	.0	.2	.4	.3	.3	.2	.4	.3	.0	.0	.0	.4	.7	.7	.7	.3	.3	
130.	*	.0	.0	.0	.1	.3	.2	.2	.3	.4	.4	.1	.0	.0	.4	.7	.8	.7	.3	.3	
135.	*	.0	.0	.0	.1	.2	.2	.1	.4	.6	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4	
140.	*	.0	.0	.0	.0	.1	.1	.1	.5	.7	.6	.4	.1	.0	.5	.8	.8	.8	.4	.2	
145.	*	.0	.0	.0	.0	.1	.0	.0	.6	.8	.8	.3	.1	.0	.5	.8	.9	.7	.6	.3	
150.	*	.0	.0	.0	.0	.0	.0	.0	.6	.8	.8	.4	.2	.1	.6	.9	1.1	.7	.4	.4	
155.	*	.0	.0	.0	.0	.0	.0	.0	.6	.9	.9	.4	.2	.1	.7	.9	1.1	.7	.4	.5	
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.4	.2	.1	.8	1.0	1.1	.4	.4	.5	
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.4	.2	.1	.8	.9	1.0	.4	.5	.5	
170.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.1	.9	.5	.2	.2	.8	1.0	1.1	.4	.5	.6	
175.	*	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.9	.9	.8	.5	.4	.5	
180.	*	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.3	.2	.8	.8	.7	.5	.5	.5	
185.	*	.3	.3	.3	.1	.0	.0	.0	.8	.9	.8	.4	.5	.2	.3	.6	.6	.6	.2	.5	
190.	*	.3	.3	.3	.3	.0	.0	.0	.9	.9	.8	.5	.6	.4	.3	.5	.5	.6	.2	.4	
195.	*	.3	.4	.4	.3	.1	.0	.0	.8	.9	.9	.5	.7	.4	.6	.4	.4	.4	.3	.4	
200.	*	.4	.4	.4	.3	.1	.0	.0	.8	1.0	1.0	.5	.5	.4	.6	.3	.4	.4	.2	.4	
205.	*	.4	.4	.4	.4	.1	.1	.0	.9	1.0	.9	.6	.3	.4	.6	.1	.3	.3	.2	.4	

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JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.4	.4	.4	.4	.2	.1	.0	.9	1.1	.9	.6	.3	.5	.7	.1	.1	.2	.2	.4	.3
215.	*	.4	.4	.4	.4	.2	.1	.1	.9	1.1	.9	.4	.3	.7	.6	.1	.1	.2	.2	.4	.2
220.	*	.4	.4	.4	.5	.2	.1	.1	1.0	1.2	.8	.2	.3	.7	.6	.1	.2	.2	.3	.4	.2
225.	*	.4	.4	.4	.5	.2	.1	.1	1.0	1.2	.7	.3	.3	.6	.7	.0	.2	.2	.3	.4	.2
230.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.2	.6	.3	.4	.6	.7	.0	.2	.2	.3	.4	.2
235.	*	.4	.4	.4	.6	.2	.1	.1	.9	1.1	.5	.3	.4	.7	.7	.0	.1	.2	.3	.3	.2
240.	*	.4	.4	.4	.6	.2	.1	.1	.9	1.0	.4	.3	.4	.7	.6	.0	.1	.2	.3	.3	.2
245.	*	.4	.4	.4	.6	.2	.1	.1	1.0	1.0	.3	.3	.3	.7	.5	.0	.0	.2	.3	.3	.2
250.	*	.4	.4	.4	.6	.2	.1	.1	1.1	1.1	.2	.3	.4	.7	.6	.0	.1	.1	.3	.3	.3
255.	*	.4	.4	.4	.6	.2	.1	.1	1.1	1.1	.2	.3	.5	.7	.6	.0	.0	.1	.2	.2	.3
260.	*	.4	.4	.4	.6	.3	.1	.1	1.1	1.1	.2	.3	.5	.7	.5	.0	.0	.1	.2	.2	.3
265.	*	.4	.4	.4	.6	.3	.1	.1	1.2	1.1	.2	.3	.6	.7	.5	.0	.0	.1	.2	.2	.3
270.	*	.4	.4	.4	.6	.3	.1	.1	1.2	1.1	.2	.4	.6	.7	.5	.0	.0	.1	.2	.2	.3
275.	*	.4	.4	.4	.6	.3	.1	.1	1.3	1.0	.2	.4	.6	.6	.4	.0	.0	.1	.1	.2	.3
280.	*	.4	.4	.4	.6	.3	.2	.1	1.2	1.0	.2	.5	.6	.6	.4	.0	.0	.1	.1	.3	.3

285.	*	.4	.4	.4	.6	.2	.2	.1	1.1	.8	.3	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
290.	*	.4	.4	.4	.6	.2	.2	.2	1.0	.8	.3	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
295.	*	.4	.4	.5	.6	.2	.2	.2	1.0	.8	.4	.4	.6	.4	.4	.0	.1	.0	.2	.4	.3
300.	*	.4	.4	.5	.5	.3	.3	.3	.9	.8	.5	.4	.6	.4	.4	.0	.1	.1	.2	.4	.4
305.	*	.4	.4	.5	.4	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.0	.0	.1	.2	.5	.4
310.	*	.4	.4	.6	.6	.3	.3	.3	.5	.6	.5	.4	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.4	.4	.6	.6	.5	.4	.2	.4	.3	.5	.4	.5	.5	.4	.0	.0	.0	.2	.4	.4
320.	*	.4	.4	.7	.5	.4	.3	.3	.4	.5	.4	.5	.5	.6	.5	.0	.0	.0	.1	.3	.3
325.	*	.4	.4	.7	.6	.3	.3	.3	.3	.3	.4	.5	.5	.6	.5	.0	.0	.0	.0	.3	.2
330.	*	.4	.5	.9	.6	.2	.4	.5	.3	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.4	.5	.9	.4	.3	.5	.6	.1	.2	.3	.5	.6	.5	.6	.0	.0	.0	.0	.1	.1
340.	*	.4	.5	.9	.5	.6	.6	.6	.1	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.0
345.	*	.5	.5	.7	.4	.6	.6	.5	.0	.1	.3	.4	.5	.6	.5	.1	.0	.0	.0	.0	.0
350.	*	.5	.5	.8	.4	.7	.6	.5	.0	.0	.2	.3	.5	.5	.5	.1	.0	.1	.0	.0	.0
355.	*	.4	.5	.7	.5	.6	.6	.4	.0	.0	.0	.3	.4	.5	.3	.1	.1	.3	.0	.0	.0
360.	*	.4	.5	.6	.4	.5	.5	.3	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
-----																					
MAX	*	.5	.5	.9	.6	.7	.6	.6	1.3	1.2	1.0	.6	.7	.7	.7	.9	1.0	1.1	.8	.6	.6
DEGR.	*	345	0	330	235	350	340	335	275	220	160	205	195	215	210	175	160	150	135	145	170

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JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.8	.8	.4	.5	.4	.2
5.	*	.0	.4	.8	.9	.5	.5	.4	.3
10.	*	.0	.5	.8	.9	.6	.6	.5	.4
15.	*	.0	.5	.8	.9	.5	.6	.6	.4
20.	*	.0	.5	.7	.9	.5	.7	.7	.4
25.	*	.0	.6	.8	1.0	.4	.6	.4	.6
30.	*	.0	.6	.9	1.0	.5	.6	.4	.6
35.	*	.0	.7	.9	.9	.5	.4	.4	.6
40.	*	.0	.7	1.0	.9	.6	.3	.3	.6
45.	*	.1	.9	1.0	.8	.5	.3	.3	.7
50.	*	.1	.9	1.0	.8	.5	.3	.5	.7
55.	*	.1	.9	1.0	.7	.2	.3	.6	.7
60.	*	.0	1.1	1.1	.6	.2	.3	.6	.7
65.	*	.0	1.1	1.1	.5	.2	.4	.5	.7
70.	*	.0	1.1	1.1	.4	.2	.4	.6	.7
75.	*	.0	1.1	1.1	.4	.3	.5	.6	.7
80.	*	.1	1.1	1.2	.4	.3	.5	.6	.6
85.	*	.1	1.1	1.1	.4	.4	.5	.7	.5
90.	*	.1	1.2	1.1	.3	.5	.5	.7	.5
95.	*	.2	1.2	1.0	.3	.5	.6	.7	.5
100.	*	.2	1.0	.9	.3	.6	.6	.5	.4
105.	*	.2	1.0	.9	.5	.6	.7	.5	.4
110.	*	.2	1.0	.9	.5	.6	.7	.5	.4
115.	*	.2	1.1	.8	.5	.4	.6	.5	.4
120.	*	.2	1.1	.7	.5	.5	.7	.5	.4
125.	*	.3	1.1	.7	.5	.6	.6	.4	.4
130.	*	.2	.9	.6	.5	.5	.6	.5	.4
135.	*	.3	.6	.4	.4	.5	.6	.5	.4
140.	*	.2	.5	.4	.3	.5	.5	.5	.5
145.	*	.2	.4	.5	.2	.5	.5	.4	.5
150.	*	.5	.3	.1	.3	.5	.5	.5	.5
155.	*	.5	.2	.1	.3	.5	.5	.5	.6
160.	*	.5	.1	.2	.2	.5	.4	.5	.6
165.	*	.5	.1	.1	.2	.4	.4	.4	.6
170.	*	.4	.1	.1	.2	.4	.3	.5	.5
175.	*	.4	.1	.1	.1	.3	.3	.4	.5
180.	*	.3	.0	.1	.1	.2	.3	.4	.5
185.	*	.3	.0	.0	.1	.1	.2	.3	.4
190.	*	.3	.0	.0	.0	.1	.1	.2	.3
195.	*	.2	.0	.0	.0	.0	.1	.1	.2
200.	*	.2	.0	.0	.0	.0	.0	.1	.1
205.	*	.2	.0	.0	.0	.0	.0	.0	.1

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JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0

235.	*	.3	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.1	.1	.0	.0
315.	*	.4	.2	.3	.1	.1	.0	.0
320.	*	.3	.3	.3	.3	.2	.1	.0
325.	*	.2	.4	.4	.4	.5	.1	.0
330.	*	.1	.4	.6	.6	.5	.1	.0
335.	*	.1	.4	.7	.7	.5	.1	.0
340.	*	.0	.4	.8	.7	.6	.2	.1
345.	*	.0	.4	.7	.8	.6	.3	.1
350.	*	.0	.5	.7	.8	.5	.4	.1
355.	*	.0	.4	.7	.8	.5	.4	.3
360.	*	.0	.4	.8	.8	.4	.5	.4

MAX	*	.5	1.2	1.2	1.0	.6	.7	.7
DEGR.	*	150	90	80	25	10	20	45

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 275 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 220 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 90 DEGREES FROM REC22 .

PurpleLine - S10 Existing AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 Existing AM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 1064 6.0 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	760 6.0 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150		80 2.0 760 65.9 1675 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	240 6.0 0 32 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 12 1
150		120 2.0 240 65.9 1770 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	1056 6.0 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	1056 6.0 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	2136 5.9 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	2136 5.9 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1800 5.9 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150		82 2.0 1800 65.9 1673 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	168 5.9 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150		123 2.0 168 65.9 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	2396 5.9 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1380 5.8 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	872 5.8 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150		109 2.0 872 65.9 872 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	80 5.8 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150		132 2.0 80 65.9 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1104 5.8 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1104 5.8 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1528 5.8 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1144 5.8 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150		101 2.0 1144 65.9 1655 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	168 5.8 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150		124 2.0 168 65.9 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1552 5.8 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1552 5.8 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	64	6.0	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	64	6.0	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	168	5.9	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	168	5.9	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	428	5.8	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	428	5.8	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	428	5.8	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	428	5.8	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	216	5.8	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	216	5.8	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	216	5.8	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 Existing AM  
DATE: 12/20/2007 TIME: 07:54:34.30

RUN: PurpleLine S10 Existing AM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1064.	6.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	760.	6.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1332.2	985.9	*	111.	186. AG	283.	100.0	.0	36.0	.34 5.6
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	240.	6.0	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1300.1	943.6	*	167.	185. AG	141.	100.0	.0	12.0	.78 8.5
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1056.	6.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1056.	6.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2136.	5.9	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2136.	5.9	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1800.	5.9	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1344.6	1652.2	*	279.	6. AG	290.	100.0	.0	36.0	.84 14.2
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	168.	5.9	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1348.5	1460.5	*	113.	5. AG	145.	100.0	.0	12.0	.62 5.7
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2396.	5.9	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1380.	5.8	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	872.	5.8	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	545.8	2072.2	*	1007.	318. AG	385.	100.0	.0	36.0	1.35 51.2
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	80.	5.8	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1196.8	1381.3	*	58.	319. AG	156.	100.0	.0	12.0	.48 2.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1104.	5.8	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1104.	5.8	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1528.	5.8	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1144.	5.8	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1600.0	1026.4	*	212.	133. AG	357.	100.0	.0	36.0	.77 10.8
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	168.	5.8	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1510.6	1074.6	*	114.	132. AG	146.	100.0	.0	12.0	.65 5.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1552.	5.8	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1552.	5.8	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	64.	6.0	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	64.	6.0	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	168.	5.9	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	168.	5.9	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	428.	5.8	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	428.	5.8	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	428.	5.8	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	428.	5.8	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	216.	5.8	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	216.	5.8	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	216.	5.8	.0	32.0	

JOB: PurpleLine - S10 Existing AM  
DATE: 12/20/2007 TIME: 07:54:34.30

RUN: PurpleLine S10 Existing AM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	80	2.0	760	1675	65.90	1	3
5. 0	650nbLq	150	120	2.0	240	1770	65.90	1	3
11. 0	650sbTq	150	82	2.0	1800	1673	65.90	1	3
13. 0	650sbLq	150	123	2.0	168	1770	65.90	1	3
17. 0	650ebTq	150	109	2.0	872	1770	65.90	1	3
19. 0	650ebLq	150	132	2.0	80	1770	65.90	1	3
24. 0	650wbT	150	101	2.0	1144	1655	65.90	1	3
26. 0	650wbL	150	124	2.0	168	1770	65.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 Existing AM

RUN: PurpleLine S10 Existing AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.6	.9	1.2	.5	.9	.8	.5	.0	.0	.1	.4	.6	.6	.4	.4	.3	.4	.2	.0	.0
5.	*	.6	.8	1.0	.5	.9	.8	.5	.0	.0	.0	.2	.4	.5	.4	.5	.4	.5	.3	.0	.0
10.	*	.4	.6	.8	.5	.9	.7	.4	.0	.0	.0	.1	.2	.3	.3	.5	.7	.9	.4	.0	.0
15.	*	.3	.4	.6	.5	.9	.7	.3	.0	.0	.0	.1	.2	.2	.7	.7	1.0	.7	.1	.0	.0
20.	*	.2	.4	.5	.5	.8	.6	.3	.0	.0	.0	.1	.1	.1	.7	.6	1.2	.8	.1	.0	.0
25.	*	.1	.2	.6	.6	.8	.5	.3	.0	.0	.0	.0	.1	.1	.6	.6	1.3	.8	.1	.1	.0
30.	*	.1	.3	.5	.6	.8	.5	.3	.0	.0	.0	.0	.1	.1	.6	.7	1.3	1.0	.1	.1	.0
35.	*	.1	.3	.5	.6	.8	.4	.4	.0	.0	.0	.0	.0	.0	.6	.7	1.4	1.0	.4	.1	.0
40.	*	.1	.3	.5	.7	.8	.4	.4	.0	.0	.0	.0	.0	.0	.6	.6	1.3	1.0	.4	.1	.0
45.	*	.1	.3	.4	.7	.8	.4	.3	.0	.0	.0	.0	.0	.0	.5	.7	1.4	1.0	.4	.1	.0
50.	*	.1	.1	.4	.7	.8	.3	.3	.0	.0	.0	.0	.0	.0	.5	.7	1.4	1.0	.4	.1	.0
55.	*	.0	.1	.4	.7	.8	.3	.3	.0	.0	.0	.0	.0	.0	.5	.7	1.4	1.0	.4	.2	.0
60.	*	.0	.1	.4	.7	.7	.3	.3	.0	.0	.0	.0	.0	.0	.5	.7	1.2	.9	.5	.2	.0
65.	*	.0	.1	.4	.7	.7	.3	.3	.0	.0	.0	.0	.0	.0	.5	.8	1.2	.9	.5	.2	.0
70.	*	.0	.0	.3	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.4	.8	1.2	.9	.5	.2	.0
75.	*	.0	.0	.2	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.4	.9	1.2	.9	.5	.3	.0
80.	*	.1	.0	.2	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	1.0	1.2	.9	.5	.3	.0
85.	*	.1	.1	.0	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.5	1.0	1.2	1.0	.5	.3	.0
90.	*	.2	.2	.1	.5	.4	.5	.4	.0	.0	.0	.0	.0	.0	.5	1.1	1.2	1.0	.5	.3	.0
95.	*	.2	.2	.2	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0	.4	1.1	1.2	1.0	.5	.3	.0
100.	*	.2	.2	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.5	1.1	1.2	1.0	.5	.3	.0
105.	*	.2	.2	.2	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.5	1.2	1.2	1.0	.6	.3	.0
110.	*	.0	.2	.2	.4	.5	.5	.5	.0	.2	.0	.0	.0	.0	.4	1.2	1.2	1.0	.7	.3	.0
115.	*	.0	.2	.2	.3	.5	.5	.5	.2	.2	.1	.0	.0	.0	.4	1.2	1.2	1.0	.6	.4	.0
120.	*	.0	.0	.2	.3	.4	.5	.5	.2	.4	.3	.0	.0	.0	.4	1.2	1.2	.9	.6	.4	.0
125.	*	.0	.0	.0	.3	.4	.4	.4	.4	.7	.4	.2	.0	.0	.5	1.2	1.2	.9	.8	.4	.0
130.	*	.0	.0	.0	.2	.4	.4	.3	.6	.8	.7	.2	.1	.0	.6	1.2	1.2	1.0	.8	.6	.0
135.	*	.0	.0	.0	.1	.3	.4	.3	.8	1.1	.9	.5	.2	.1	.5	1.2	1.2	1.1	.8	.6	.0
140.	*	.0	.0	.0	.0	.2	.2	.1	.9	1.4	1.1	.6	.2	.2	.0	.5	1.4	1.5	1.2	.8	.7
145.	*	.0	.0	.0	.0	.1	.1	.1	.9	1.6	1.3	.7	.4	.2	.1	.6	1.5	1.6	1.1	1.0	.9
150.	*	.0	.0	.0	.0	.0	.0	.1	1.1	1.8	1.6	.7	.3	.1	.1	.8	1.5	1.6	1.3	.8	.9
155.	*	.0	.0	.0	.0	.0	.0	.0	1.2	1.8	1.5	.8	.4	.3	.1	1.0	1.6	1.7	1.2	1.0	.9
160.	*	.0	.0	.0	.0	.0	.0	.0	1.2	1.7	1.4	.8	.5	.4	.2	1.1	1.6	1.7	1.0	1.1	1.0
165.	*	.0	.0	.0	.0	.0	.0	.0	1.4	1.7	1.4	.8	.4	.4	.3	1.1	1.8	1.7	.9	1.1	1.1
170.	*	.1	.1	.1	.0	.0	.0	.0	1.4	1.7	1.4	.7	.4	.5	.3	1.3	1.8	1.6	.9	1.2	1.1
175.	*	.1	.1	.1	.0	.0	.0	.0	1.3	1.6	1.5	.5	.5	.5	.5	1.2	1.5	1.6	.9	1.3	1.2
180.	*	.2	.2	.2	.1	.0	.0	.0	1.4	1.7	1.4	.7	.7	.7	.4	1.2	1.5	1.4	.7	1.1	1.1
185.	*	.3	.3	.3	.2	.0	.0	.0	1.3	1.5	1.5	.6	.8	.8	.4	1.1	1.2	1.0	.7	1.0	1.1
190.	*	.4	.4	.4	.2	.0	.0	.0	1.3	1.5	1.4	.7	.8	.8	.8	1.0	1.0	.9	.7	1.1	1.0
195.	*	.4	.4	.4	.3	.1	.0	.0	1.3	1.6	1.6	.7	.9	.7	.8	.7	.8	.7	.7	1.0	1.0
200.	*	.5	.5	.5	.3	.1	.1	.0	1.4	1.5	1.6	.7	.9	.7	.8	.5	.6	.6	.7	1.0	.9
205.	*	.5	.5	.5	.3	.1	.1	.0	1.4	1.6	1.4	.7	.8	.8	.9	.5	.5	.5	.7	1.0	.9

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JOB: PurpleLine - S10 Existing AM

RUN: PurpleLine S10 Existing AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.5	.5	.5	.4	.1	.1	.1	1.4	1.7	1.6	.7	.7	.9	1.1	.3	.4	.4	.7	.9	.9
215.	.5	.5	.5	.4	.2	.1	.1	1.4	1.7	1.5	.8	.5	.8	1.2	.3	.3	.4	.8	1.0	.9
220.	.5	.5	.5	.6	.2	.1	.1	1.4	1.8	1.4	.7	.5	1.1	1.2	.3	.3	.4	.8	1.0	.9
225.	.5	.5	.5	.6	.2	.1	.1	1.4	1.8	1.3	.6	.6	1.1	1.1	.3	.3	.4	.8	1.0	.9
230.	.5	.5	.5	.7	.2	.1	.1	1.4	1.8	1.1	.5	.5	1.1	1.3	.3	.3	.4	.7	1.0	.9
235.	.5	.5	.5	.7	.2	.1	.1	1.4	1.8	.9	.5	.5	1.1	1.2	.3	.3	.4	.7	1.0	.9
240.	.4	.4	.4	.8	.1	.1	.1	1.5	1.9	.8	.5	.7	1.3	1.2	.3	.4	.4	.7	1.0	.9
245.	.3	.3	.3	.8	.1	.1	.1	1.5	1.9	.8	.4	.8	1.3	1.2	.3	.4	.4	.7	.9	.9
250.	.3	.3	.3	.9	.1	.1	.1	1.5	1.9	.5	.4	.8	1.4	1.2	.3	.4	.4	.7	1.0	.9
255.	.3	.3	.3	.9	.2	.1	.1	1.8	1.9	.5	.5	.9	1.4	1.3	.3	.4	.4	.7	1.0	.9
260.	.3	.3	.3	.9	.3	.1	.1	1.8	1.8	.5	.6	1.0	1.4	1.2	.3	.5	.4	.7	1.0	1.0
265.	.3	.3	.3	.9	.3	.1	.1	1.8	1.8	.5	.6	1.1	1.4	1.3	.3	.5	.4	.7	1.0	1.0
270.	.3	.3	.4	.9	.4	.1	.1	1.9	1.7	.4	.6	1.2	1.3	1.3	.4	.5	.5	.8	1.1	1.0
275.	.4	.4	.5	.9	.4	.2	.1	2.0	1.8	.4	.7	1.4	1.3	1.3	.4	.4	.5	.7	1.0	1.0

280.	*	.3	.3	.4	.9	.4	.3	.1	2.1	1.8	.5	.8	1.4	1.3	1.4	.4	.5	.5	.8	1.1	1.0
285.	*	.3	.3	.4	.9	.4	.3	.2	2.0	1.8	.6	.9	1.4	1.3	1.4	.4	.5	.5	.8	1.2	1.0
290.	*	.3	.3	.4	.9	.4	.3	.2	2.0	1.7	.8	.9	1.4	1.4	1.3	.4	.4	.6	.8	1.2	1.3
295.	*	.3	.3	.5	.8	.5	.4	.3	1.9	1.7	.9	1.0	1.6	1.3	1.2	.3	.4	.5	.8	1.2	1.4
300.	*	.3	.3	.5	.9	.4	.4	.4	2.0	1.5	1.1	1.0	1.6	1.4	1.2	.2	.4	.5	.8	1.2	1.3
305.	*	.3	.3	.6	.9	.5	.4	.4	1.8	1.3	1.0	1.2	1.6	1.2	1.1	.2	.3	.4	.7	1.3	1.2
310.	*	.3	.3	.7	.9	.6	.6	.8	1.4	1.3	1.0	1.2	1.6	1.3	1.0	.0	.2	.3	.6	1.2	1.1
315.	*	.4	.5	.9	.9	.8	.7	.8	1.3	1.2	.9	1.1	1.4	1.1	.8	.0	.0	.2	.5	1.0	1.0
320.	*	.6	.7	1.1	1.1	.8	1.0	.9	1.1	.9	.7	1.3	1.1	1.0	.8	.0	.0	.0	.5	.8	.7
325.	*	.6	.8	1.3	1.2	1.2	1.2	1.0	.7	.7	.8	1.0	1.0	1.0	.9	.0	.0	.0	.2	.7	.5
330.	*	.7	.9	1.4	1.0	1.3	1.1	1.0	.6	.6	.6	.9	.9	.9	.9	.0	.0	.0	.0	.4	.3
335.	*	.7	.9	1.5	.9	1.2	1.2	1.0	.5	.4	.4	.8	1.0	.9	.8	.0	.0	.0	.0	.2	.2
340.	*	.9	.9	1.4	.8	1.2	1.3	.9	.2	.3	.4	.7	1.0	1.0	.7	.1	.0	.0	.0	.1	.1
345.	*	.9	1.0	1.4	.9	1.2	1.1	.7	.1	.3	.4	.7	.9	.9	.6	.1	.0	.1	.0	.1	.1
350.	*	.8	1.0	1.4	.8	1.0	.9	.6	.0	.2	.3	.6	.8	.7	.6	.1	.1	.1	.0	.1	.0
355.	*	.8	1.0	1.3	.5	1.1	.8	.5	.0	.0	.2	.5	.7	.6	.5	.2	.2	.3	.0	.0	.0
360.	*	.6	.9	1.2	.5	.9	.8	.5	.0	.0	.1	.4	.6	.6	.4	.4	.3	.4	.2	.0	.0
-----																					
MAX	*	.9	1.0	1.5	1.2	1.3	1.3	1.0	2.1	1.9	1.6	1.3	1.6	1.4	1.4	1.3	1.8	1.7	1.3	1.3	1.4
DEGR.	*	340	345	335	325	330	340	325	280	240	195	320	305	300	280	170	165	155	150	175	295

1

JOB: PurpleLine - S10 Existing AM

RUN: PurpleLine S10 Existing AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	1.6	1.5	1.1	.9	.7	.7	.7
5.	*	.0	1.4	1.3	1.1	.9	.7	.7	.9
10.	*	.0	1.4	1.3	1.2	.9	.9	.9	1.0
15.	*	.0	1.3	1.3	1.4	.9	.9	.8	1.0
20.	*	.0	1.3	1.3	1.5	.8	.9	.8	1.2
25.	*	.0	1.4	1.4	1.5	.9	.7	.8	1.1
30.	*	.0	1.4	1.5	1.4	.9	.8	.8	1.1
35.	*	.1	1.4	1.5	1.5	.9	.7	.7	1.1
40.	*	.1	1.5	1.6	1.4	.8	.5	.8	1.3
45.	*	.1	1.5	1.6	1.4	.7	.6	1.0	1.4
50.	*	.1	1.5	1.5	1.3	.7	.7	1.1	1.4
55.	*	.1	1.5	1.5	1.2	.7	.6	1.1	1.5
60.	*	.1	1.6	1.6	.9	.6	.6	1.2	1.3
65.	*	.1	1.6	1.7	.9	.5	.8	1.3	1.4
70.	*	.1	1.6	1.7	.7	.6	.8	1.4	1.2
75.	*	.1	1.6	1.7	.6	.4	.8	1.5	1.0
80.	*	.2	1.6	1.8	.6	.5	.9	1.5	.8
85.	*	.2	1.7	1.7	.6	.6	.9	1.5	.8
90.	*	.2	1.8	1.7	.6	.6	1.1	1.4	.7
95.	*	.3	1.7	1.7	.6	.7	1.2	1.3	.6
100.	*	.3	1.7	1.5	.6	.7	1.1	1.2	.7
105.	*	.3	1.7	1.4	.6	.7	1.1	1.2	.8
110.	*	.3	1.8	1.6	.7	.7	1.0	1.3	.7
115.	*	.3	1.8	1.3	.8	.9	1.2	1.2	.7
120.	*	.4	1.8	1.3	.9	.9	1.1	1.1	.5
125.	*	.4	1.6	1.1	.7	.9	1.1	.8	.5
130.	*	.5	1.4	.8	.7	.9	.9	.8	.5
135.	*	.6	.9	.8	.6	.7	.8	.8	.5
140.	*	.7	.8	.7	.5	.7	.8	.7	.6
145.	*	.9	.5	.5	.5	.8	.8	.7	.6
150.	*	1.0	.3	.4	.5	.7	.7	.8	.6
155.	*	1.0	.2	.4	.6	.7	.8	.8	.6
160.	*	1.1	.1	.3	.4	.7	.7	.7	.7
165.	*	1.1	.1	.2	.2	.7	.7	.7	.7
170.	*	1.1	.1	.2	.2	.5	.6	.7	.7
175.	*	1.1	.1	.1	.2	.3	.6	.6	.7
180.	*	1.2	.1	.1	.1	.2	.3	.5	.6
185.	*	1.0	.0	.1	.1	.2	.2	.4	.5
190.	*	.9	.0	.0	.1	.1	.2	.3	.4
195.	*	.9	.0	.0	.0	.1	.1	.2	.3
200.	*	.9	.0	.0	.0	.0	.1	.1	.2
205.	*	.9	.0	.0	.0	.0	.0	.1	.1

1

JOB: PurpleLine - S10 Existing AM

RUN: PurpleLine S10 Existing AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.9	.0	.0	.0	.0	.0	.0	.1
215.	*	.9	.0	.0	.0	.0	.0	.0	.0
220.	*	.9	.0	.0	.0	.0	.0	.0	.0
225.	*	.9	.0	.0	.0	.0	.0	.0	.0



230.	*	.9	.0	.0	.0	.0	.0	.0	.0
235.	*	.9	.0	.0	.0	.0	.0	.0	.0
240.	*	.9	.0	.0	.0	.0	.0	.0	.0
245.	*	.9	.0	.0	.0	.0	.0	.0	.0
250.	*	.9	.0	.0	.0	.0	.0	.0	.0
255.	*	.9	.0	.0	.0	.0	.0	.0	.0
260.	*	.9	.0	.0	.0	.0	.0	.0	.0
265.	*	.9	.0	.0	.0	.0	.0	.0	.0
270.	*	1.0	.0	.0	.0	.0	.0	.0	.0
275.	*	1.0	.0	.0	.0	.0	.0	.0	.0
280.	*	1.1	.0	.0	.0	.0	.0	.0	.0
285.	*	1.2	.0	.0	.0	.0	.0	.0	.0
290.	*	1.2	.0	.0	.0	.0	.0	.0	.0
295.	*	1.1	.1	.1	.0	.0	.0	.0	.0
300.	*	1.2	.2	.1	.1	.0	.0	.0	.0
305.	*	1.1	.4	.3	.2	.1	.0	.0	.0
310.	*	1.0	.6	.6	.3	.2	.1	.0	.0
315.	*	.9	1.0	.8	.6	.3	.2	.1	.1
320.	*	.6	1.3	1.3	.8	.5	.4	.2	.1
325.	*	.5	1.7	1.6	1.2	.7	.5	.3	.2
330.	*	.3	1.8	1.8	1.4	1.0	.6	.4	.2
335.	*	.1	2.0	1.7	1.4	1.2	.8	.5	.4
340.	*	.1	1.9	1.7	1.4	1.1	.9	.5	.3
345.	*	.0	1.9	1.6	1.2	.9	.7	.4	.5
350.	*	.0	1.7	1.5	1.2	.8	.7	.4	.4
355.	*	.0	1.6	1.5	1.1	.8	.7	.6	.6
360.	*	.0	1.6	1.5	1.1	.9	.7	.7	.7
-----									
MAX	*	1.2	2.0	1.8	1.5	1.2	1.2	1.5	1.5
DEGR.	*	180	335	80	20	335	95	75	55

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 280 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 335 DEGREES FROM REC22.  
 THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 240 DEGREES FROM REC9 .

S10 HIGHBRT 2015PM				60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0			
SE 164 S	1349.	856.	5.0			
SE 82 S	1357.	938.	5.0			
SE CNR	1401.	1043.	5.0			
SE 82 E	1485.	981.	5.0			
SE 164 E	1546.	926.	5.0			
SE MID E	1608.	872.	5.0			
NE MID E	1582.	1083.	5.0			
NE 164 E	1521.	1138.	5.0			
NE 82 E	1466.	1200.	5.0			
NE CNR	1422.	1281.	5.0			
NE 82 N	1402.	1367.	5.0			
NE 164 N	1402.	1449.	5.0			
NE MID N	1409.	1531.	5.0			
NW MID N	1317.	1719.	5.0			
NW 164 N	1310.	1638.	5.0			
NW 82 N	1302.	1555.	5.0			
NW CNR	1267.	1462.	5.0			
NW 82 W	1178.	1495.	5.0			
NW 164 W	1126.	1560.	5.0			
NW MIDW	1075.	1624.	5.0			
SW MID W	1062.	1408.	5.0			
SW 164 W	1113.	1342.	5.0			
SW 82 W	1160.	1272.	5.0			
SW CNR	1206.	1204.	5.0			
SW 82 S	1226.	1123.	5.0			
SW 164 S	1237.	1038.	5.0			
SW MID S	1237.	955.	5.0			
SITE 10 HIGHBRT 2015PM		38	1	0		
1						
0	650nbAP	AG	1236.	15.	1271.	361.
1						
0	650nbT	AG	1271.	361.	1355.	1221.
2						
0	650nbTq	AG	1343.	1096.	1304.	697.
150		90	2.0	1865	37.8	1671 1 3
1						
0	650nbL	AG	1247.	388.	1329.	1246.
2						
0	650nbLq	AG	1316.	1110.	1277.	702.
150		119	2.0	470	37.8	1717 1 3
1						
0	650nbD	AG	1356.	1220.	1420.	2001.
1						
0	650nbD	AG	1420.	2001.	1507.	2421.
1						
0	650sbAP	AG	1463.	2422.	1386.	2066.
1						
0	650sbAP	AG	1386.	2066.	1350.	1713.
1						
0	650sbT	AG	1351.	1713.	1306.	1295.
2						
0	650sbTq	AG	1315.	1375.	1349.	1693.
150		93	2.0	1120	37.8	1678 1 3
1						
0	650sbL	AG	1372.	1706.	1331.	1273.
2						
0	650sbLq	AG	1338.	1348.	1370.	1691.
150		123	2.0	315	37.8	1770 1 3
1						
0	650sbD	AG	1306.	1294.	1178.	15.
1						
0	193wbAP	AG	2729.	161.	1679.	955.
1						
0	193wbT	AG	1679.	954.	1336.	1269.
2						
0	650wbT	AG	1444.	1170.	1670.	962.
150		89	2.0	1560	37.8	1664 1 3
1						
0	193wbL	AG	1649.	949.	1334.	1233.
2						
0	650wbL	AG	1426.	1151.	1644.	954.
150		128	2.0	235	37.8	1770 1 3
1						
0	193wbD	AG	1336.	1269.	1001.	1661.
1						
0	193wbD	AG	1001.	1661.	429.	2424.
1						
0	650nbR	AG	1297.	505.	1350.	1048.
1						
0	650nbR	AG	1353.	1047.	1426.	1070.
1						
0	650sbR	AG	1334.	1706.	1311.	1458.
1						
0	650sbR	AG	1311.	1458.	1212.	1415.
1						
0	193wbR	AG	1666.	987.	1450.	1178.
1						
0	193wbR	AG	1450.	1178.	1402.	1274.
1						
0	193wbR	AG	1402.	1274.	1371.	1385.
1						
0	193ebAP	AG	321.	2423.	1023.	1497.
1						

0		193ebT	AG	1024.	1497.	1300.	1181.	1510	3.5	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150		95		2.0	1510	37.8	1645	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	120	3.5	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150		134		2.0	120	37.8	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	370	3.5	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	370	3.5	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	370	3.5	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	2020	3.5	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	2020	3.5	0	56	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:37:30.36

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1301.9	675.6	*	422.	186. AG	183.	100.0	.0	36.0	1.00 21.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.5	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1123.8	-901.0	*	2020.	185. AG	80.	100.0	.0	12.0	1.52 102.6
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.2	1563.6	*	190.	6. AG	189.	100.0	.0	36.0	.63 9.6
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1725.	3.5	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1560.	3.5	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1635.5	993.8	*	260.	133. AG	180.	100.0	.0	36.0	.82 13.2
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.5	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	195.	3.5	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	1510.	3.5	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	997.0	1526.5	*	297.	319. AG	193.	100.0	.0	36.0	.90 15.1
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	120.	3.5	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1146.4	1399.0	*	108.	320. AG	91.	100.0	.0	12.0	.85 5.5
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	370.	3.5	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	2020.	3.5	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	2020.	3.5	.0	56.0	

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:37:30.36

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	93	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650wbT	150	89	2.0	1560	1664	37.80	1	3
19. 0	650wbL	150	128	2.0	235	1770	37.80	1	3
31. 0	193ebTQ	150	95	2.0	1510	1645	37.80	1	3
33. 0	193ebLQ	150	134	2.0	120	1770	37.80	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*

17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.1	1.1	.9	.6	.7	.6	.6	.0	.0	.1	.2	.4	.5	.1	.1	.1	.0	.0	.0
5.	*	.8	.8	.7	.4	.6	.6	.6	.0	.0	.1	.4	.4	.4	.2	.3	.4	.0	.0	.0
10.	*	.5	.7	.6	.5	.6	.6	.5	.0	.0	.0	.1	.2	.4	.4	.5	.4	.4	.2	.0
15.	*	.4	.5	.4	.4	.6	.6	.5	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0
20.	*	.4	.4	.4	.5	.6	.6	.5	.0	.0	.0	.1	.1	.1	.5	.4	.4	.4	.0	.0
25.	*	.3	.4	.3	.5	.6	.6	.4	.0	.0	.0	.1	.1	.1	.5	.4	.3	.4	.0	.0
30.	*	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.1	.1	.4	.4	.3	.5	.2	.0
35.	*	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.4	.5	.4	.5	.2	.0
40.	*	.2	.2	.2	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.0
45.	*	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.1
50.	*	.1	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.2	.1
55.	*	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1
60.	*	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.3	.1
65.	*	.0	.2	.3	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
70.	*	.0	.1	.3	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
75.	*	.0	.1	.3	.6	.6	.3	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1
80.	*	.0	.1	.3	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1
85.	*	.0	.0	.2	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
90.	*	.1	.1	.1	.6	.6	.4	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
95.	*	.1	.1	.2	.6	.7	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
100.	*	.1	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
105.	*	.1	.2	.3	.7	.5	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
110.	*	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
115.	*	.0	.1	.2	.6	.6	.4	.5	.2	.2	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3
120.	*	.0	.1	.1	.5	.6	.4	.4	.3	.3	.1	.0	.0	.0	.3	.3	.8	.7	.3	.3
125.	*	.0	.0	.1	.4	.5	.4	.4	.3	.4	.3	.1	.0	.0	.3	.3	.8	.7	.3	.3
130.	*	.0	.0	.0	.4	.4	.4	.3	.4	.8	.5	.2	.0	.0	.3	.3	.8	.6	.5	.4
135.	*	.0	.0	.0	.2	.3	.2	.3	.7	.9	.7	.4	.2	.0	.0	.3	.3	.9	.7	.5
140.	*	.0	.0	.0	.1	.2	.2	.2	.8	1.0	.9	.6	.2	.0	.0	.3	.4	.9	.8	.6
145.	*	.0	.0	.0	.0	.1	.1	.1	.9	1.1	1.1	.4	.1	.1	.0	.4	.5	1.0	.8	.4
150.	*	.0	.0	.0	.0	.1	.0	.0	1.0	1.1	.9	.5	.3	.1	.0	.4	.6	1.0	.8	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.1	.1	.5	.8	1.1	.8	.6
160.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.9	.5	.4	.3	.2	.6	.8	1.1	.8	.7
165.	*	.1	.1	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.3	.2	.5	.7	1.0	.8	.7
170.	*	.1	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.4	.2	.6	.8	1.2	.7	1.0
175.	*	.2	.2	.3	.0	.0	.0	.0	1.0	1.0	.9	.5	.6	.7	.4	.7	.9	1.3	.5	.9
180.	*	.4	.5	.6	.2	.0	.0	.0	1.0	1.0	.9	.5	.6	.7	.4	.7	1.0	1.1	.5	.9
185.	*	.6	.7	.9	.3	.0	.0	.0	.9	1.0	.9	.6	.8	.7	.7	.7	.7	.9	.5	.7
190.	*	.8	.9	1.0	.5	.0	.0	.0	.9	.9	1.1	.7	.8	.7	.7	.2	.5	.6	.3	.7
195.	*	.9	1.0	1.1	.6	.1	.0	.0	.9	1.0	1.2	.8	.8	.7	1.0	.3	.3	.4	.2	.6
200.	*	.9	1.1	1.1	.7	.2	.0	.0	.9	1.2	1.2	.8	.7	.6	.8	.3	.3	.3	.3	.5
205.	*	1.0	1.1	1.2	.8	.4	.1	.0	1.0	1.3	1.2	.8	.7	.5	.8	.2	.2	.2	.3	.5

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	1.0	1.1	1.2	.8	.4	.1	.0	1.1	1.3	1.2	.6	.5	.6	.8	.2	.2	.2	.4	.5
215.	*	1.1	1.1	1.2	.8	.4	.2	.0	1.1	1.4	1.1	.6	.5	.8	.8	.2	.2	.2	.4	.5
220.	*	1.1	1.1	1.1	.8	.5	.2	.0	1.1	1.4	1.0	.5	.5	.7	.9	.2	.2	.2	.5	.5
225.	*	1.1	1.1	1.1	.8	.5	.2	.0	1.1	1.4	.9	.5	.5	.7	1.0	.2	.2	.2	.5	.5
230.	*	1.0	1.0	1.0	.8	.5	.2	.0	1.1	1.4	.7	.4	.5	.8	1.0	.2	.2	.2	.5	.4
235.	*	1.0	1.0	1.0	.7	.5	.2	.1	1.1	1.3	.7	.3	.3	.9	1.0	.2	.2	.2	.4	.5
240.	*	1.0	1.0	1.0	.6	.5	.2	.1	1.1	1.2	.5	.3	.3	.9	1.0	.0	.2	.2	.4	.5
245.	*	.9	.9	.9	.6	.5	.2	.1	1.1	1.2	.4	.3	.4	.9	.9	.0	.2	.2	.4	.5
250.	*	.9	.9	.9	.6	.5	.2	.1	1.1	1.2	.5	.4	.5	.9	.9	.0	.2	.2	.4	.5
255.	*	.9	.9	.9	.6	.5	.2	.1	1.1	1.2	.5	.5	.6	.9	.9	.0	.1	.2	.4	.5
260.	*	.9	.9	.9	.6	.4	.2	.1	1.2	1.2	.5	.6	.6	.9	.9	.0	.1	.2	.4	.5
265.	*	.9	.9	.9	.6	.4	.2	.1	1.2	1.1	.4	.6	.7	.9	.9	.0	.1	.2	.3	.6
270.	*	.9	.9	.9	.6	.4	.2	.1	1.2	1.2	.4	.6	.7	1.0	1.0	.0	.0	.2	.3	.5
275.	*	.9	.9	.9	.6	.4	.2	.1	1.2	1.2	.5	.5	.7	1.0	.9	.0	.1	.2	.3	.6
280.	*	.9	.9	.9	.6	.4	.2	.1	1.0	1.0	.5	.5	.8	1.0	.8	.1	.1	.2	.3	.5

285.	*	.9	.9	.9	.6	.4	.2	.1	1.0	.9	.6	.5	.8	.9	.6	.1	.2	.2	.4	.5	.4
290.	*	.9	.9	.9	.6	.5	.3	.2	1.0	.8	.6	.5	.8	.8	.7	.1	.2	.1	.4	.5	.4
295.	*	.9	.9	.9	.6	.4	.3	.2	1.0	.8	.6	.5	.8	.9	.6	.1	.2	.2	.2	.4	.4
300.	*	.9	.9	.9	.6	.4	.3	.2	.9	.8	.5	.6	1.0	.8	.6	.1	.1	.2	.2	.4	.5
305.	*	.9	.9	.9	.5	.5	.4	.3	.8	.8	.4	.7	.9	.9	.6	.0	.1	.2	.3	.5	.5
310.	*	1.0	1.0	.9	.7	.6	.5	.3	.7	.7	.4	.7	.9	.9	.6	.0	.0	.1	.3	.5	.5
315.	*	1.0	1.0	1.0	.7	.7	.6	.3	.6	.7	.5	.6	.8	.8	.5	.0	.0	.1	.3	.5	.4
320.	*	1.0	1.0	1.1	.7	.5	.4	.4	.6	.5	.3	.7	.8	.7	.5	.0	.0	.0	.1	.5	.4
325.	*	1.0	1.0	1.1	.8	.6	.4	.6	.4	.4	.3	.6	.8	.7	.5	.0	.0	.0	.1	.3	.3
330.	*	1.1	1.2	1.2	.8	.4	.6	.6	.4	.3	.3	.6	.7	.7	.5	.0	.0	.0	.0	.3	.2
335.	*	1.3	1.3	1.2	.6	.7	.7	.7	.1	.3	.3	.6	.7	.6	.5	.0	.0	.0	.0	.1	.2
340.	*	1.3	1.3	1.3	.6	.8	.8	.8	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.2	1.3	1.2	.6	.8	.8	.7	.1	.2	.3	.4	.6	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.2	1.1	1.3	.7	.7	.8	.7	.0	.1	.3	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0
355.	*	1.1	1.2	1.2	.7	.8	.7	.7	.0	.1	.2	.4	.5	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.1	.9	.6	.7	.6	.6	.0	.0	.1	.2	.4	.5	.5	.1	.1	.1	.0	.0	.0
-----																					
MAX	*	1.3	1.3	1.3	.8	.8	.8	.8	1.2	1.4	1.2	.8	1.0	1.0	1.0	.7	1.0	1.3	.8	1.0	.8
DEGR.	*	335	335	340	205	340	340	340	260	215	195	195	300	270	195	175	180	175	140	170	170

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	1.0	.9	1.0	.5	.4	.4	.2
5.	*	.0	1.0	.9	1.0	.4	.4	.5	.3
10.	*	.0	.9	.8	.8	.4	.6	.6	.4
15.	*	.0	.9	.8	.7	.5	.7	.4	.3
20.	*	.0	.9	.8	.9	.6	.7	.4	.4
25.	*	.0	.9	.7	1.0	.6	.7	.3	.6
30.	*	.0	.8	.9	1.0	.6	.5	.5	.6
35.	*	.0	.8	1.0	.9	.6	.4	.5	.6
40.	*	.0	.8	1.2	.9	.4	.3	.4	.7
45.	*	.0	1.0	1.2	.8	.4	.3	.4	.8
50.	*	.0	1.0	1.2	.8	.4	.3	.6	.8
55.	*	.0	1.0	1.1	.5	.4	.3	.7	.8
60.	*	.0	1.0	1.1	.5	.4	.3	.7	.9
65.	*	.1	1.0	1.0	.5	.3	.4	.7	.9
70.	*	.1	1.0	1.0	.3	.3	.4	.8	.9
75.	*	.1	1.1	1.1	.3	.4	.5	.8	.9
80.	*	.1	1.1	1.1	.3	.4	.5	.8	.8
85.	*	.1	1.1	1.1	.3	.3	.5	.9	.9
90.	*	.1	1.2	1.0	.4	.4	.5	.9	.8
95.	*	.1	1.3	1.0	.3	.6	.7	.9	.8
100.	*	.2	1.4	1.1	.4	.6	.7	.8	.7
105.	*	.2	1.2	1.0	.5	.6	.7	.7	.8
110.	*	.2	1.2	.9	.6	.7	.7	.8	.8
115.	*	.2	1.2	.9	.6	.8	.8	.8	.7
120.	*	.3	1.1	.9	.7	.9	.9	.7	.8
125.	*	.2	1.0	.9	.6	.6	.8	.7	.7
130.	*	.2	.9	.8	.6	.5	.6	.6	.7
135.	*	.3	.7	.6	.5	.5	.6	.7	.7
140.	*	.4	.6	.7	.4	.7	.6	.7	.7
145.	*	.3	.5	.4	.3	.6	.6	.7	.7
150.	*	.4	.4	.4	.4	.6	.6	.7	.7
155.	*	.6	.4	.3	.4	.6	.7	.7	.6
160.	*	.6	.2	.4	.4	.6	.7	.6	.6
165.	*	.7	.2	.3	.4	.6	.6	.6	.7
170.	*	.6	.0	.3	.4	.6	.6	.6	.6
175.	*	.6	.0	.1	.3	.4	.5	.5	.6
180.	*	.6	.0	.0	.2	.3	.4	.5	.6
185.	*	.6	.0	.0	.0	.2	.2	.3	.3
190.	*	.5	.0	.0	.0	.0	.2	.2	.3
195.	*	.4	.0	.0	.0	.0	.0	.1	.1
200.	*	.4	.0	.0	.0	.0	.0	.0	.1
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.4	.0	.0	.0	.0	.0	.0	.0
220.	*	.4	.0	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0

235.	*	.3	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0
305.	*	.5	.2	.1	.1	.0	.0	.0
310.	*	.5	.3	.3	.1	.1	.0	.0
315.	*	.4	.4	.4	.4	.2	.1	.0
320.	*	.4	.6	.5	.4	.4	.1	.0
325.	*	.3	.8	.7	.6	.4	.2	.1
330.	*	.2	1.0	.9	.7	.7	.4	.1
335.	*	.1	1.2	.9	.8	.7	.4	.1
340.	*	.0	1.1	1.1	1.0	.6	.4	.2
345.	*	.0	1.2	.9	.9	.7	.4	.3
350.	*	.0	1.2	.9	.9	.6	.3	.3
355.	*	.0	1.0	.9	1.0	.6	.3	.3
360.	*	.0	1.0	.9	1.0	.5	.4	.4
-----								
MAX	*	.7	1.4	1.2	1.0	.9	.9	.9
DEGR.	*	165	100	40	0	120	120	85

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 215 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 100 DEGREES FROM REC22.  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC1 .

PurpleLine - S10 Existing PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 Existing PM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 2300 6.0 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	1696 6.0 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150		2.0 1696 65.9 1671 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	428 6.0 0 32 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 12 1
150		2.0 428 65.9 1770 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	2000 6.0 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	2000 6.0 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	1376 5.9 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	1376 5.9 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1016 5.9 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150		2.0 1016 65.9 1678 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	288 5.9 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150		2.0 288 65.9 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	1564 5.9 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1816 6.2 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1372 6.2 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150		2.0 1372 65.9 1645 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	108 6.2 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150		2.0 108 65.9 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1836 6.2 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1836 6.2 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1824 6.0 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1416 6.0 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150		2.0 1416 65.9 1664 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	212 6.0 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150		2.0 212 65.9 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1916 6.0 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1916 6.0 0 56 30.
1			



0		650nbR	AG	1297.	505.	1350.	1048.	176	6.0	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	176	6.0	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	72	5.9	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	72	5.9	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	336	6.2	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	336	6.2	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	336	6.2	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	336	6.2	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	196	6.0	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	196	6.0	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	196	6.0	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 Existing PM  
DATE: 12/20/2007 TIME: 07:54:50.01

RUN: PurpleLine S10 Existing PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2300.	6.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1696.	6.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1312.1	780.2	*	317.	186. AG	318.	100.0	.0	36.0	.91 16.1
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	428.	6.0	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1292.2	860.8	*	250.	185. AG	120.	100.0	.0	12.0	.82 12.7
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2000.	6.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2000.	6.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1376.	5.9	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1376.	5.9	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1016.	5.9	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.6	1568.0	*	194.	6. AG	371.	100.0	.0	36.0	.74 9.9
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	288.	5.9	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1356.9	1550.4	*	203.	5. AG	138.	100.0	.0	12.0	.84 10.3
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1564.	5.9	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1816.	6.2	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1372.	6.2	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	920.6	1653.9	*	446.	318. AG	371.	100.0	.0	36.0	1.02 22.6
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	108.	6.2	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1184.6	1395.1	*	76.	319. AG	152.	100.0	.0	12.0	.54 3.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1836.	6.2	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1836.	6.2	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1824.	6.0	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1416.	6.0	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1660.7	970.5	*	295.	133. AG	350.	100.0	.0	36.0	.91 15.0
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	212.	6.0	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1539.2	1048.7	*	153.	132. AG	145.	100.0	.0	12.0	.78 7.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1916.	6.0	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1916.	6.0	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	176.	6.0	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	176.	6.0	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	72.	5.9	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	72.	5.9	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	336.	6.2	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	336.	6.2	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	336.	6.2	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	336.	6.2	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	196.	6.0	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	196.	6.0	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	196.	6.0	.0	32.0	

JOB: PurpleLine - S10 Existing PM  
DATE: 12/20/2007 TIME: 07:54:50.01

RUN: PurpleLine S10 Existing PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1696	1671	65.90	1	3
5. 0	650nbLq	150	102	2.0	428	1770	65.90	1	3
11. 0	650sbTq	150	105	2.0	1016	1678	65.90	1	3
13. 0	650sbLq	150	117	2.0	288	1770	65.90	1	3
17. 0	650ebTq	150	105	2.0	1372	1645	65.90	1	3
19. 0	650ebLq	150	129	2.0	108	1770	65.90	1	3
24. 0	650wbT	150	99	2.0	1416	1664	65.90	1	3
26. 0	650wbL	150	123	2.0	212	1770	65.90	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 Existing PM

RUN: PurpleLine S10 Existing PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	2.0	1.7	1.5	.7	1.4	1.1	1.1	.0	.1	.1	.3	.6	.7	.8	.2	.2	.3	.0	.1	.0
5.	*	1.6	1.5	1.2	.6	1.2	1.0	1.0	.0	.0	.1	.2	.4	.5	.7	.4	.4	.3	.2	.0	.0
10.	*	1.1	1.3	1.2	.6	1.2	1.0	.9	.0	.0	.0	.1	.3	.4	.5	.5	.5	.4	.0	.0	.0
15.	*	.9	.9	.8	.7	1.1	1.0	.9	.0	.0	.0	.1	.2	.3	.3	.5	.5	.6	.4	.0	.0
20.	*	.6	.7	.5	.6	1.0	.9	.7	.0	.0	.0	.1	.2	.2	.6	.6	.6	.6	.1	.0	.0
25.	*	.6	.6	.7	.7	1.0	.9	.6	.0	.0	.0	.1	.2	.1	.6	.7	.5	.6	.2	.0	.0
30.	*	.6	.7	.6	.7	1.0	.9	.7	.0	.0	.0	.1	.1	.1	.6	.5	.6	.7	.2	.1	.0
35.	*	.5	.5	.6	.7	1.0	1.0	.7	.0	.0	.0	.1	.1	.1	.5	.5	.5	.8	.2	.2	.0
40.	*	.3	.4	.5	.8	1.1	1.0	.7	.0	.0	.0	.0	.1	.1	.5	.5	.6	1.1	.1	.2	.0
45.	*	.3	.4	.5	.8	1.1	1.0	.7	.0	.0	.0	.0	.1	.1	.5	.5	.6	1.1	.2	.2	.0
50.	*	.2	.4	.6	.8	1.0	1.0	.4	.0	.0	.0	.0	.0	.0	.5	.4	.7	1.1	.3	.1	.0
55.	*	.1	.4	.5	.8	.9	.9	.4	.0	.0	.0	.0	.0	.0	.5	.4	.7	1.1	.3	.1	.0
60.	*	.1	.4	.4	.8	.9	.8	.5	.0	.0	.0	.0	.0	.0	.4	.4	.8	1.1	.3	.1	.0
65.	*	.2	.2	.4	.8	.9	.8	.5	.0	.0	.0	.0	.0	.0	.4	.4	.9	1.1	.4	.1	.0
70.	*	.2	.2	.4	.8	.9	.7	.6	.0	.0	.0	.0	.0	.0	.4	.4	.9	1.1	.4	.1	.0
75.	*	.2	.2	.4	.8	1.0	.9	.6	.0	.0	.0	.0	.0	.0	.4	.4	1.0	1.1	.5	.2	.0
80.	*	.2	.3	.4	.8	1.0	.8	.6	.0	.0	.0	.0	.0	.0	.4	.4	1.1	1.1	.6	.3	.0
85.	*	.2	.2	.2	.8	1.0	.8	.6	.0	.0	.0	.0	.0	.0	.4	.4	1.3	1.1	.6	.3	.0
90.	*	.2	.2	.4	.8	.9	.7	.6	.0	.0	.0	.0	.0	.0	.5	.4	1.4	1.1	.7	.4	.0
95.	*	.2	.2	.4	.7	1.0	.8	.7	.0	.0	.0	.0	.0	.0	.5	.4	1.4	1.1	.7	.4	.0
100.	*	.2	.2	.2	.7	1.0	.7	.7	.0	.0	.0	.0	.0	.0	.4	.4	1.5	1.1	.8	.5	.0
105.	*	.2	.2	.2	.8	.9	.7	.7	.0	.1	.0	.0	.0	.0	.4	.4	1.5	1.1	.8	.6	.0
110.	*	.2	.2	.2	.7	1.1	.8	.8	.1	.2	.0	.0	.0	.0	.4	.4	1.5	1.1	.7	.7	.0
115.	*	.1	.2	.2	.5	.9	.8	.8	.3	.3	.1	.0	.0	.0	.4	.4	1.6	1.1	.7	.7	.0
120.	*	.0	.1	.2	.5	1.0	.8	.8	.5	.6	.4	.1	.0	.0	.3	.4	1.6	1.1	.7	.7	.0
125.	*	.0	.0	.2	.4	.8	.8	.7	.8	.6	.3	.0	.0	.0	.3	.4	1.6	1.2	.9	.8	.0
130.	*	.0	.0	.1	.3	.6	.7	.5	.9	1.2	.9	.5	.3	.0	.4	.5	1.7	1.4	1.2	.8	.0
135.	*	.0	.0	.0	.2	.5	.5	.4	1.2	1.6	1.0	.6	.3	.2	.0	.4	.5	2.0	1.4	1.3	1.0
140.	*	.0	.0	.0	.1	.3	.3	.2	1.5	1.7	1.4	.7	.5	.3	.2	.4	.9	2.0	1.6	1.2	1.1
145.	*	.0	.0	.0	.0	.2	.2	.1	1.7	2.1	1.6	1.1	.5	.4	.4	.5	1.0	2.1	1.5	1.3	1.2
150.	*	.0	.0	.0	.0	.1	.1	.1	1.7	2.1	1.7	1.0	.7	.6	.4	.6	1.0	2.1	1.3	1.5	1.3
155.	*	.1	.1	.1	.0	.1	.0	.1	1.9	2.0	1.8	1.0	.6	.6	.3	.6	1.0	2.1	1.4	1.4	1.3
160.	*	.1	.1	.1	.0	.0	.0	.0	1.8	2.2	1.7	.9	.6	.5	.4	.8	1.3	2.1	1.2	1.3	1.3
165.	*	.1	.1	.2	.0	.0	.0	.0	1.8	2.0	1.7	.9	.6	.5	.5	.8	1.6	2.2	1.2	1.3	1.3
170.	*	.1	.2	.3	.0	.0	.0	.0	1.8	1.9	1.7	.8	.8	.7	.5	1.2	1.8	2.3	1.0	1.4	1.5
175.	*	.2	.3	.4	.1	.0	.0	.0	1.7	1.8	1.7	.9	.6	.8	.8	1.1	1.7	1.8	1.0	1.5	1.4
180.	*	.4	.6	.7	.2	.0	.0	.0	1.6	1.8	1.6	.9	.9	.9	1.0	1.1	1.4	1.5	.7	1.5	1.2
185.	*	.6	.8	1.0	.4	.0	.0	.0	1.6	1.8	1.8	1.0	1.0	1.1	1.1	1.2	1.4	1.4	.7	1.3	1.1
190.	*	.7	1.1	1.3	.6	.0	.0	.0	1.5	1.8	1.7	1.1	1.0	1.1	1.1	.8	1.1	1.1	.7	1.0	1.0
195.	*	.8	1.3	1.6	.7	.1	.0	.0	1.5	1.8	1.8	1.1	1.3	1.1	1.2	.6	.8	.8	.7	1.0	1.0
200.	*	.8	1.5	1.9	.7	.2	.0	.0	1.5	2.0	1.8	1.1	1.2	1.2	1.4	.5	.7	.5	.6	1.0	1.0
205.	*	.9	1.6	2.0	1.0	.2	.1	.0	1.7	2.0	1.8	1.1	1.0	1.0	1.5	.5	.5	.5	.7	1.0	.9

1

JOB: PurpleLine - S10 Existing PM

RUN: PurpleLine S10 Existing PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.9	1.7	2.1	1.1	.3	.2	.0	1.8	2.1	1.8	1.1	1.1	1.0	1.4	.3	.4	.4	.7	1.0	.9
215.	*	.8	1.7	2.0	1.1	.3	.2	.1	1.8	2.1	1.7	.9	1.0	1.1	1.5	.3	.4	.4	.7	1.0	.9
220.	*	.7	1.6	1.9	1.0	.4	.2	.2	1.9	2.2	1.6	.8	.7	1.2	1.6	.3	.4	.5	.8	1.0	1.1
225.	*	.7	1.7	1.9	1.0	.4	.3	.2	2.0	2.3	1.5	.7	.7	1.4	1.6	.3	.4	.5	.8	1.0	1.1
230.	*	.7	1.7	1.8	1.0	.4	.3	.2	2.0	2.3	1.2	.7	.8	1.3	1.7	.3	.3	.5	.8	1.0	1.1
235.	*	.7	1.7	1.8	1.0	.5	.3	.2	2.0	2.3	1.1	.7	.8	1.4	1.7	.3	.3	.5	.8	1.0	1.0
240.	*	.5	1.5	1.6	1.0	.5	.3	.2	2.0	2.3	.8	.7	.9	1.5	1.7	.4	.3	.5	.7	1.0	1.0
245.	*	.5	1.4	1.5	1.0	.6	.4	.3	2.1	2.2	.8	.6	1.0	1.6	1.7	.4	.3	.5	.7	1.0	1.0
250.	*	.6	1.4	1.5	1.0	.6	.4	.3	2.2	2.2	.6	.7	.9	1.6	1.7	.4	.4	.5	.7	1.0	1.0
255.	*	.6	1.4	1.6	1.0	.6	.4	.3	2.2	2.2	.6	.6	1.1	1.7	1.6	.3	.4	.4	.7	1.0	1.0
260.	*	.6	1.4	1.5	1.0	.6	.4	.3	2.2	2.1	.7	.6	1.1	1.8	1.6	.2	.4	.5	.7	1.1	1.1
265.	*	.7	1.4	1.5	1.0	.6	.4	.4	2.2	2.1	.7	.7	1.3	1.8	1.6	.3	.4	.5	.7	1.2	1.1
270.	*	.8	1.5	1.6	1.0	.6	.5	.4	2.3	2.0	.6	.8	1.5	1.8	1.7	.3	.3	.5	.7	1.2	1.1
275.	*	.9	1.5	1.6	1.0	.6	.5	.4	2.3	1.9	.8	1.0	1.5	1.7	1.5	.2	.4	.4	.8	1.2	1.1

280.	*	.9	1.5	1.6	1.0	.6	.5	.4	2.3	1.9	.9	.9	1.7	1.8	1.5	.2	.3	.4	.8	1.3	1.1
285.	*	1.0	1.5	1.5	.9	.6	.6	.4	2.3	2.0	1.0	1.0	1.8	1.7	1.3	.2	.2	.4	.7	1.3	1.1
290.	*	1.1	1.5	1.5	.9	.6	.6	.5	2.4	1.9	1.0	1.0	1.7	1.7	1.4	.2	.2	.4	.7	1.2	1.1
295.	*	1.2	1.5	1.5	.9	.5	.5	.5	2.1	1.9	.8	1.2	1.7	1.8	1.2	.2	.2	.4	.6	1.2	1.1
300.	*	1.2	1.5	1.6	.8	.7	.7	.5	2.1	1.8	1.0	1.3	1.5	1.7	1.1	.2	.2	.2	.7	1.2	1.0
305.	*	1.3	1.6	1.6	.9	.6	.7	.7	2.0	1.5	1.2	1.4	1.7	1.5	.9	.2	.2	.2	.6	1.1	1.0
310.	*	1.4	1.7	1.7	.8	.7	.7	.8	1.8	1.4	1.1	1.3	1.6	1.4	.8	.1	.2	.2	.4	1.0	.9
315.	*	1.4	1.7	1.8	1.0	1.2	1.3	1.1	1.4	1.2	1.2	1.4	1.6	1.4	.7	.0	.1	.2	.4	.9	.9
320.	*	1.7	2.0	2.1	1.1	1.3	1.2	1.2	1.0	1.0	1.1	1.2	1.4	1.3	.6	.0	.0	.1	.3	.8	.6
325.	*	1.9	2.2	2.3	1.2	1.6	1.4	1.4	.7	.7	.9	1.1	1.2	1.2	.6	.0	.0	.0	.2	.5	.5
330.	*	2.1	2.2	2.4	1.0	1.3	1.4	1.5	.4	.6	.7	.9	1.3	1.1	.6	.0	.0	.0	.1	.5	.4
335.	*	2.2	2.3	2.4	1.2	1.3	1.4	1.5	.4	.3	.6	.9	1.2	1.0	.7	.0	.0	.0	.0	.3	.2
340.	*	2.3	2.5	2.3	1.1	1.2	1.4	1.4	.2	.3	.6	.8	1.1	1.0	.8	.0	.0	.0	.0	.1	.1
345.	*	2.4	2.4	2.2	1.0	1.3	1.5	1.4	.1	.2	.5	.8	1.0	.9	.8	.0	.0	.0	.0	.1	.1
350.	*	2.5	2.3	2.2	.9	1.4	1.3	1.3	.1	.1	.3	.7	.9	.9	.7	.1	.0	.0	.0	.1	.1
355.	*	2.2	2.3	1.9	.7	1.5	1.3	1.1	.0	.1	.2	.5	.8	.8	.7	.1	.1	.2	.0	.1	.0
360.	*	2.0	1.7	1.5	.7	1.4	1.1	1.1	.0	.1	.1	.3	.6	.7	.8	.2	.2	.3	.0	.1	.0
-----																					
MAX	*	2.5	2.5	2.4	1.2	1.6	1.5	1.5	2.4	2.3	1.8	1.4	1.8	1.8	1.7	1.2	1.8	2.3	1.6	1.5	1.5
DEGR.	*	350	340	330	325	325	345	330	290	225	155	315	285	295	230	170	170	170	140	150	170

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JOB: PurpleLine - S10 Existing PM

RUN: PurpleLine S10 Existing PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	1.7	1.6	1.4	1.0	.6	.7	.7
5.	.0	1.7	1.6	1.4	.8	.7	.7	.7
10.	.0	1.5	1.4	1.3	1.0	.9	.9	.7
15.	.0	1.5	1.4	1.5	.9	1.0	.8	.7
20.	.0	1.5	1.4	1.5	.9	1.0	.9	1.1
25.	.0	1.5	1.5	1.6	.9	1.0	.8	1.1
30.	.0	1.6	1.6	1.6	.8	.8	.8	1.1
35.	.1	1.6	1.6	1.8	.8	.9	.8	1.3
40.	.0	1.6	1.6	1.7	1.0	.5	.8	1.3
45.	.2	1.6	1.7	1.6	.9	.6	.9	1.4
50.	.2	1.7	1.8	1.5	.6	.7	1.1	1.4
55.	.2	1.7	2.0	1.4	.5	.7	1.2	1.6
60.	.1	1.7	2.0	1.2	.5	.7	1.2	1.4
65.	.1	1.8	2.0	1.0	.6	.7	1.4	1.4
70.	.1	1.8	2.1	.9	.6	.7	1.4	1.4
75.	.1	1.8	2.0	.8	.6	.7	1.4	1.4
80.	.1	2.0	2.1	.5	.6	.8	1.5	1.3
85.	.1	2.0	2.1	.6	.8	1.0	1.4	1.2
90.	.1	2.1	1.9	.7	.7	1.1	1.4	1.2
95.	.2	2.1	1.9	.7	.8	1.1	1.4	1.3
100.	.2	2.0	1.7	.9	.8	1.3	1.4	1.2
105.	.2	2.0	1.7	.9	1.0	1.2	1.4	1.2
110.	.3	2.1	1.6	.8	1.1	1.2	1.4	1.2
115.	.4	2.0	1.6	1.0	1.2	1.1	1.2	1.2
120.	.5	2.0	1.8	1.1	1.2	1.2	1.2	1.2
125.	.4	1.9	1.4	1.2	.9	1.1	1.2	1.1
130.	.6	1.8	1.2	1.0	1.0	1.1	1.2	1.0
135.	.8	1.5	1.2	.7	.9	1.0	1.1	1.0
140.	1.0	1.1	.8	.7	.8	.9	1.1	1.0
145.	1.1	.7	.6	.7	.8	1.0	1.1	1.0
150.	1.3	.5	.5	.6	.8	1.0	1.1	1.0
155.	1.3	.5	.5	.6	.8	1.0	1.1	1.1
160.	1.3	.3	.3	.5	.8	.9	1.0	.9
165.	1.4	.3	.3	.4	.7	.9	1.0	.9
170.	1.3	.2	.3	.3	.6	.7	.9	.7
175.	1.2	.1	.1	.3	.4	.5	.5	.6
180.	1.1	.0	.1	.1	.3	.4	.5	.5
185.	1.1	.0	.0	.1	.1	.3	.3	.4
190.	1.1	.0	.0	.0	.1	.1	.2	.3
195.	1.0	.0	.0	.0	.0	.1	.1	.2
200.	1.0	.0	.0	.0	.0	.0	.1	.1
205.	1.0	.0	.0	.0	.0	.0	.0	.1

1

JOB: PurpleLine - S10 Existing PM

RUN: PurpleLine S10 Existing PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	1.0	.0	.0	.0	.0	.0	.0	.0
215.	1.0	.0	.0	.0	.0	.0	.0	.0
220.	1.0	.0	.0	.0	.0	.0	.0	.0
225.	1.1	.0	.0	.0	.0	.0	.0	.0

230.	*	1.1	.0	.0	.0	.0	.0	.0	.0
235.	*	1.1	.0	.0	.0	.0	.0	.0	.0
240.	*	1.0	.0	.0	.0	.0	.0	.0	.0
245.	*	1.0	.0	.0	.0	.0	.0	.0	.0
250.	*	1.0	.0	.0	.0	.0	.0	.0	.0
255.	*	1.0	.0	.0	.0	.0	.0	.0	.0
260.	*	1.0	.0	.0	.0	.0	.0	.0	.0
265.	*	1.1	.0	.0	.0	.0	.0	.0	.0
270.	*	1.0	.0	.0	.0	.0	.0	.0	.0
275.	*	1.0	.0	.0	.0	.0	.0	.0	.0
280.	*	1.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.9	.0	.0	.0	.0	.0	.0	.0
290.	*	.8	.0	.0	.0	.0	.0	.0	.0
295.	*	.8	.0	.0	.0	.0	.0	.0	.0
300.	*	.8	.1	.1	.0	.0	.0	.0	.0
305.	*	.8	.3	.3	.1	.0	.0	.0	.0
310.	*	.7	.4	.4	.3	.1	.0	.0	.0
315.	*	.7	.9	.9	.4	.3	.1	.0	.0
320.	*	.6	1.1	1.1	.7	.5	.2	.2	.0
325.	*	.5	1.3	1.5	1.0	.7	.4	.2	.2
330.	*	.4	1.7	1.6	1.3	.9	.5	.4	.2
335.	*	.2	1.8	1.7	1.4	1.0	.7	.4	.4
340.	*	.1	2.0	1.7	1.4	1.1	.8	.7	.3
345.	*	.0	1.9	1.8	1.4	.9	.7	.5	.4
350.	*	.0	2.0	1.8	1.3	.9	.6	.4	.5
355.	*	.0	1.7	1.6	1.3	.9	.7	.6	.6
360.	*	.0	1.7	1.6	1.4	1.0	.6	.7	.7
-----									
MAX	*	1.4	2.1	2.1	1.8	1.2	1.3	1.5	1.6
DEGR.	*	165	90	70	35	115	100	80	55

THE HIGHEST CONCENTRATION IS 2.50 PPM AT 340 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.50 PPM AT 350 DEGREES FROM REC1 .  
 THE 3RD HIGHEST CONCENTRATION IS 2.40 PPM AT 330 DEGREES FROM REC3 .

PurpleLine - S10 No Bld 2015 AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 No Bld 2015 AM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 1170 3.5 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	835 3.5 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150	84	2.0 835 37.8 1675 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	265 3.5 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150	127	2.0 265 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	1165 3.5 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	1165 3.5 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	2350 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	2350 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1980 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150	77	2.0 1980 37.8 1673 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	185 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150	120	2.0 185 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	2635 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1520 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	960 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150	101	2.0 960 37.8 1612 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	90 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150	136	2.0 90 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1215 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1215 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1685 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1260 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150	95	2.0 1260 37.8 1654 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	185 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150	130	2.0 185 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1710 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1710 3.5 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	70	3.5	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	70	3.5	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	185	3.5	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	185	3.5	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	470	3.5	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	470	3.5	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	470	3.5	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	470	3.5	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	240	3.5	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	240	3.5	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	240	3.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 No Bld 2015 AM  
DATE: 12/20/2007 TIME: 07:55:53.62

RUN: PurpleLine S10 No Bld 2015 AM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.6	968.9	*	128.	186. AG	170.	100.0	.0	36.0	.40 6.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1307.3	1018.7	*	92.	185. AG	172.	100.0	.0	24.0	.61 4.7
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1346.0	1665.0	*	292.	6. AG	156.	100.0	.0	36.0	.86 14.8
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.3	1468.9	*	121.	5. AG	81.	100.0	.0	12.0	.60 6.2
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	960.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1100.1	1453.6	*	177.	318. AG	205.	100.0	.0	36.0	.66 9.0
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	90.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1184.6	1395.1	*	76.	319. AG	92.	100.0	.0	12.0	.76 3.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1215.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1215.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	70.	3.5	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	470.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	470.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	

JOB: PurpleLine - S10 No Bld 2015 AM  
DATE: 12/20/2007 TIME: 07:55:53.62

RUN: PurpleLine S10 No Bld 2015 AM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	84	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650sbTq	150	77	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	120	2.0	185	1770	37.80	1	3
17. 0	650ebTq	150	101	2.0	960	1612	37.80	1	3
19. 0	650ebLq	150	136	2.0	90	1770	37.80	1	3
24. 0	650wbT	150	95	2.0	1260	1654	37.80	1	3
26. 0	650wbL	150	130	2.0	185	1770	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*



16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 No Bld 2015 AM

RUN: PurpleLine S10 No Bld 2015 AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5.	*	.3	.3	.3	.3	.6	.6	.3	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10.	*	.2	.2	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0
15.	*	.3	.3	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.3	.3	.7	.4	.0	.0
20.	*	.1	.2	.2	.4	.6	.4	.2	.0	.0	.0	.0	.1	.1	.4	.6	.7	.5	.1	.0
25.	*	.1	.1	.1	.4	.6	.4	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.5	.1	.0
30.	*	.1	.1	.1	.5	.6	.3	.2	.0	.0	.0	.0	.0	.0	.4	.5	.9	.6	.1	.1
35.	*	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.5	.9	.6	.1	.1
40.	*	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
45.	*	.1	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
50.	*	.1	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.5	.8	.6	.2	.0
55.	*	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0
60.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.6	.7	.6	.2	.1
65.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.6	.7	.6	.3	.1
70.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.6	.7	.6	.3	.2
75.	*	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
80.	*	.0	.0	.0	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.2	.2
85.	*	.0	.0	.0	.5	.3	.2	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
90.	*	.0	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
95.	*	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
100.	*	.0	.0	.1	.2	.4	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
105.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2
110.	*	.0	.0	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2
115.	*	.0	.0	.1	.3	.3	.4	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
120.	*	.0	.0	.0	.3	.3	.4	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3
125.	*	.0	.0	.0	.2	.3	.4	.3	.2	.4	.3	.0	.0	.0	.3	.7	.7	.7	.3	.3
130.	*	.0	.0	.0	.1	.3	.3	.3	.4	.4	.1	.0	.0	.0	.4	.7	.7	.7	.3	.3
135.	*	.0	.0	.0	.0	.2	.1	.1	.4	.7	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4
140.	*	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.4	.1	.0	.4	.8	.8	.7	.4	.2
145.	*	.0	.0	.0	.0	.0	.0	.1	.6	.9	.8	.3	.1	.0	.5	.8	.9	.7	.6	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	.8	.4	.2	.1	.0	.5	.9	1.1	.7	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.0	.4	.2	.1	.1	.7	.9	1.1	.7	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.5	.2	.1	.1	.7	1.0	1.1	.4	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.5	.2	.1	.1	.7	.9	1.0	.4	.8
170.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.9	.5	.2	.2	.2	.8	1.0	1.0	.4	.8
175.	*	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.9	.9	.8	.4	.7
180.	*	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.7	.8	.7	.4	.7
185.	*	.2	.2	.2	.1	.0	.0	.0	.8	.9	.8	.5	.4	.2	.3	.6	.6	.6	.2	.7
190.	*	.2	.2	.2	.2	.0	.0	.0	.9	.9	.8	.5	.5	.3	.3	.5	.5	.6	.3	.6
195.	*	.2	.3	.3	.2	.0	.0	.0	.8	.9	.8	.5	.6	.4	.6	.4	.5	.5	.3	.6
200.	*	.3	.3	.3	.2	.1	.0	.0	.8	1.0	.9	.6	.4	.4	.6	.3	.4	.4	.3	.6
205.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.4	.6	.1	.3	.3	.3	.6

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JOB: PurpleLine - S10 No Bld 2015 AM

RUN: PurpleLine S10 No Bld 2015 AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.5	.7	.1	.1	.2	.4	.6
215.	*	.3	.3	.3	.3	.1	.1	.1	.9	1.0	.9	.6	.3	.7	.6	.1	.1	.2	.4	.6
220.	*	.3	.3	.3	.4	.1	.1	.1	1.0	1.0	.8	.3	.3	.7	.7	.1	.2	.2	.4	.6
225.	*	.3	.3	.3	.4	.1	.1	.1	1.0	1.1	.7	.3	.3	.6	.7	.0	.2	.2	.3	.6
230.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.1	.6	.3	.4	.6	.7	.0	.2	.2	.3	.5
235.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.0	.6	.3	.4	.7	.6	.0	.1	.2	.3	.5
240.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.1	.5	.3	.4	.7	.5	.0	.1	.2	.3	.5
245.	*	.3	.3	.3	.6	.1	.1	.1	1.0	1.1	.3	.3	.3	.7	.5	.0	.0	.2	.3	.4
250.	*	.3	.3	.3	.6	.1	.1	.1	1.1	1.2	.3	.3	.4	.7	.6	.0	.1	.2	.3	.4
255.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.4
260.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.2
265.	*	.3	.3	.3	.6	.2	.1	.1	1.3	1.1	.3	.3	.6	.7	.5	.0	.0	.1	.2	.2
270.	*	.3	.3	.3	.7	.2	.1	.1	1.3	1.1	.3	.4	.6	.7	.5	.0	.0	.1	.2	.2
275.	*	.3	.3	.3	.7	.3	.2	.1	1.3	1.1	.2	.4	.6	.7	.4	.0	.0	.1	.2	.3

280.	*	.3	.3	.3	.7	.3	.2	.1	1.2	1.1	.2	.5	.6	.6	.4	.0	.0	.1	.2	.3	.3
285.	*	.3	.3	.3	.7	.3	.2	.1	1.2	.9	.2	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
290.	*	.3	.3	.3	.7	.3	.2	.2	1.1	.9	.3	.4	.7	.6	.4	.0	.0	.1	.2	.4	.3
295.	*	.3	.3	.4	.7	.3	.2	1.1	.8	.4	.4	.4	.7	.4	.4	.0	.1	.1	.2	.4	.3
300.	*	.3	.3	.4	.5	.4	.3	.3	.8	.8	.5	.4	.6	.4	.4	.0	.1	.2	.2	.4	.4
305.	*	.3	.3	.4	.5	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.0	.0	.1	.2	.5	.4
310.	*	.3	.3	.5	.5	.2	.2	.1	.6	.6	.5	.5	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.3	.3	.6	.6	.3	.3	.2	.4	.4	.6	.4	.5	.4	.4	.0	.0	.0	.3	.4	.4
320.	*	.3	.3	.7	.5	.4	.4	.3	.4	.5	.4	.5	.5	.6	.5	.0	.0	.0	.1	.4	.4
325.	*	.3	.3	.7	.5	.3	.5	.6	.3	.3	.4	.5	.5	.6	.5	.0	.0	.0	.0	.3	.2
330.	*	.3	.4	.8	.6	.5	.6	.6	.3	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.3	.5	1.0	.5	.6	.6	.6	.1	.2	.3	.5	.6	.5	.6	.0	.0	.0	.0	.1	.1
340.	*	.3	.5	1.0	.5	.7	.6	.5	.0	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.0
345.	*	.4	.5	.7	.4	.7	.7	.5	.0	.1	.3	.3	.5	.6	.5	.1	.0	.0	.0	.0	.0
350.	*	.4	.5	.7	.4	.6	.7	.5	.0	.0	.2	.3	.5	.5	.5	.1	.0	.1	.0	.0	.0
355.	*	.4	.5	.8	.5	.7	.7	.4	.0	.0	.0	.3	.4	.5	.3	.1	.1	.3	.0	.0	.0
360.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
-----																					
MAX	*	.4	.5	1.0	.7	.7	.7	.6	1.3	1.2	1.0	.7	.7	.7	.7	.9	1.0	1.1	.8	.8	.7
DEGR.	*	345	0	335	270	340	345	325	265	250	155	205	285	215	210	175	160	150	135	165	160

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JOB: PurpleLine - S10 No Bld 2015 AM

RUN: PurpleLine S10 No Bld 2015 AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.3	.8	.7	.5	.4	.4	.3
5.	*	.0	.3	.8	.7	.6	.5	.3	.3
10.	*	.0	.3	.8	.8	.6	.5	.5	.4
15.	*	.0	.4	.8	.9	.5	.5	.6	.5
20.	*	.0	.4	.8	1.0	.5	.6	.7	.5
25.	*	.0	.4	.7	1.0	.4	.5	.4	.6
30.	*	.0	.5	.8	.9	.5	.6	.4	.6
35.	*	.0	.5	.8	1.0	.5	.4	.5	.7
40.	*	.0	.6	.9	1.0	.6	.3	.5	.7
45.	*	.1	.7	.9	.8	.5	.3	.5	.7
50.	*	.1	.8	.9	.7	.5	.3	.7	.7
55.	*	.1	.8	.9	.7	.2	.3	.8	.7
60.	*	.0	.9	1.0	.6	.2	.3	.8	.7
65.	*	.0	1.0	1.0	.6	.2	.4	.7	.6
70.	*	.0	1.0	1.0	.5	.2	.4	.8	.6
75.	*	.0	1.0	1.0	.4	.2	.5	.8	.6
80.	*	.0	1.0	1.0	.4	.2	.5	.8	.5
85.	*	.1	1.0	1.0	.4	.3	.4	.8	.4
90.	*	.1	1.1	1.1	.4	.5	.5	.8	.4
95.	*	.2	1.1	1.0	.3	.5	.6	.8	.3
100.	*	.2	1.1	1.0	.3	.5	.6	.7	.3
105.	*	.2	.9	.8	.5	.6	.6	.6	.3
110.	*	.2	.9	.7	.5	.6	.6	.6	.3
115.	*	.2	.9	.8	.5	.4	.5	.6	.3
120.	*	.2	.9	.7	.5	.4	.6	.5	.3
125.	*	.3	.9	.6	.4	.7	.6	.4	.3
130.	*	.2	.8	.5	.4	.5	.7	.5	.3
135.	*	.3	.5	.4	.3	.5	.7	.5	.3
140.	*	.3	.4	.3	.4	.5	.5	.4	.4
145.	*	.3	.3	.2	.4	.5	.5	.4	.4
150.	*	.5	.2	.2	.4	.5	.5	.5	.4
155.	*	.5	.1	.1	.3	.5	.5	.5	.5
160.	*	.6	.1	.1	.1	.5	.3	.5	.5
165.	*	.6	.1	.1	.1	.2	.3	.3	.5
170.	*	.4	.1	.1	.1	.2	.2	.4	.4
175.	*	.4	.1	.1	.1	.2	.2	.3	.4
180.	*	.3	.0	.1	.1	.1	.2	.3	.4
185.	*	.3	.0	.0	.1	.1	.2	.2	.3
190.	*	.3	.0	.0	.0	.1	.1	.2	.3
195.	*	.3	.0	.0	.0	.0	.1	.1	.2
200.	*	.3	.0	.0	.0	.0	.0	.1	.1
205.	*	.3	.0	.0	.0	.0	.0	.0	.1

1

JOB: PurpleLine - S10 No Bld 2015 AM

RUN: PurpleLine S10 No Bld 2015 AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0

230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.1	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.5	.2	.2	.0	.0	.0
330.	*	.1	.4	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.7	.6	.3	.1	.1	.0
340.	*	.0	.5	.7	.6	.4	.1	.1	.1
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.4	.7	.7	.5	.3	.1	.2
355.	*	.0	.4	.8	.7	.5	.3	.3	.2
360.	*	.0	.3	.8	.7	.5	.4	.4	.3
-----									
MAX	*	.6	1.1	1.1	1.0	.7	.7	.8	.7
DEGR.	*	160	90	90	20	125	130	55	35

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 265 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC17.

PurpleLine - S10 No Bld 2015 PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 No Bld 2015 PM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 2530 3.5 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	1865 3.5 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150	84	2.0 1865 37.8 1671 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	470 3.5 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150	119	2.0 470 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	2200 3.5 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	2200 3.5 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	1515 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	1515 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1120 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150	93	2.0 1120 37.8 1678 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	315 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150	123	2.0 315 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	1723 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	2000 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1510 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150	95	2.0 1510 37.8 1645 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	120 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150	134	2.0 120 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	2020 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	2020 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	2010 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1560 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150	89	2.0 1560 37.8 1664 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	235 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150	128	2.0 235 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	2110 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	2110 3.5 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	195	3.5	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	195	3.5	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	80	3.5	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	80	3.5	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	370	3.5	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	370	3.5	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	370	3.5	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	370	3.5	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	215	3.5	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	215	3.5	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	215	3.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 No Bld 2015 PM  
DATE: 12/20/2007 TIME: 07:56:10.59

RUN: PurpleLine S10 No Bld 2015 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1311.9	777.4	*	320.	186. AG	170.	100.0	.0	36.0	.90 16.3
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.5	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1300.8	951.2	*	160.	185. AG	161.	100.0	.0	24.0	.76 8.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.2	1563.6	*	190.	6. AG	189.	100.0	.0	36.0	.63 9.6
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1723.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1510.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1019.7	1543.4	*	297.	318. AG	193.	100.0	.0	36.0	.90 15.1
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	120.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1163.8	1418.6	*	108.	319. AG	91.	100.0	.0	12.0	.85 5.5
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2020.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2020.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1560.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1635.5	993.8	*	260.	133. AG	180.	100.0	.0	36.0	.82 13.2
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.5	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	195.	3.5	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	370.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	370.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	

JOB: PurpleLine - S10 No Bld 2015 PM  
DATE: 12/20/2007 TIME: 07:56:10.59

RUN: PurpleLine S10 No Bld 2015 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	84	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	93	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650ebTq	150	95	2.0	1510	1645	37.80	1	3
19. 0	650ebLq	150	134	2.0	120	1770	37.80	1	3
24. 0	650wbT	150	89	2.0	1560	1664	37.80	1	3
26. 0	650wbL	150	128	2.0	235	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 No Bld 2015 PM

RUN: PurpleLine S10 No Bld 2015 PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.1	1.0	1.0	.5	.7	.7	.7	.0	.0	.1	.2	.4	.5	.1	.1	.1	.0	.0	.0
5.	*	.9	.8	.7	.3	.7	.7	.6	.0	.0	.0	.1	.4	.4	.2	.3	.4	.0	.0	.0
10.	*	.5	.7	.6	.4	.7	.7	.6	.0	.0	.0	.1	.2	.4	.5	.4	.4	.2	.0	.0
15.	*	.4	.5	.4	.3	.7	.7	.5	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0
20.	*	.3	.4	.4	.4	.7	.7	.5	.0	.0	.0	.1	.1	.1	.5	.4	.4	.4	.0	.0
25.	*	.3	.4	.3	.4	.7	.6	.4	.0	.0	.0	.1	.1	.1	.5	.4	.3	.4	.0	.0
30.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.1	.1	.4	.4	.3	.5	.2	.0
35.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0	.4	.5	.4	.5	.2	.0
40.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.0
45.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.1
50.	*	.1	.2	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.2	.1
55.	*	.0	.2	.2	.5	.7	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1
60.	*	.0	.1	.2	.5	.7	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.3	.1
65.	*	.0	.1	.3	.5	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
70.	*	.0	.0	.3	.5	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
75.	*	.0	.0	.3	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1
80.	*	.0	.0	.3	.5	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1
85.	*	.1	.1	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
90.	*	.1	.2	.0	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
95.	*	.1	.2	.2	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
100.	*	.1	.2	.2	.4	.7	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
105.	*	.1	.2	.2	.5	.8	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
110.	*	.0	.2	.2	.5	.5	.5	.6	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
115.	*	.0	.1	.2	.4	.5	.6	.6	.2	.2	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3
120.	*	.0	.0	.1	.4	.6	.6	.5	.3	.3	.1	.0	.0	.0	.3	.3	.8	.7	.3	.3
125.	*	.0	.0	.1	.3	.6	.5	.4	.4	.5	.3	.1	.0	.0	.3	.3	.8	.7	.3	.3
130.	*	.0	.0	.0	.2	.5	.4	.4	.4	.8	.5	.2	.0	.0	.3	.3	.8	.6	.5	.4
135.	*	.0	.0	.0	.1	.3	.3	.2	.7	.9	.7	.4	.2	.0	.3	.3	.9	.7	.5	.4
140.	*	.0	.0	.0	.0	.2	.2	.1	.8	1.0	.9	.6	.3	.0	.3	.4	.9	.8	.6	.5
145.	*	.0	.0	.0	.0	.2	.1	.1	.9	1.1	1.1	.5	.2	.1	.0	.4	.5	1.0	.8	.5
150.	*	.0	.0	.0	.0	.0	.0	.1	1.0	1.1	1.0	.5	.3	.1	.0	.4	.6	1.0	.8	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	.9	.5	.4	.1	.1	.5	.8	1.1	.8	.9
160.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.3	.2	.6	.8	1.1	.8	.9
165.	*	.1	.1	.1	.0	.0	.0	.0	1.1	1.0	.9	.5	.4	.4	.2	.5	.7	1.0	.8	1.0
170.	*	.1	.1	.2	.0	.0	.0	.0	1.1	1.0	.9	.5	.4	.4	.2	.6	.7	1.2	.6	1.0
175.	*	.1	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.4	.6	.7	.3	.6	.9	1.3	.4	.8
180.	*	.2	.3	.4	.2	.0	.0	.0	1.0	1.0	.9	.5	.5	.6	.4	.6	.9	1.0	.5	.9
185.	*	.3	.4	.7	.2	.0	.0	.0	.9	1.0	.8	.5	.7	.7	.6	.6	.6	.8	.4	.8
190.	*	.4	.6	.7	.3	.0	.0	.0	.9	.9	1.0	.6	.8	.6	.6	.2	.5	.5	.4	.8
195.	*	.4	.7	.8	.4	.0	.0	.0	.9	.9	1.1	.8	.8	.6	.9	.4	.4	.5	.3	.6
200.	*	.4	.7	.9	.5	.0	.0	.0	.9	1.0	1.0	.8	.8	.6	.7	.3	.3	.3	.4	.6
205.	*	.4	.8	1.0	.6	.2	.0	.0	.9	1.2	1.1	.7	.8	.5	.8	.2	.2	.2	.4	.6

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JOB: PurpleLine - S10 No Bld 2015 PM

RUN: PurpleLine S10 No Bld 2015 PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.4	.8	1.0	.6	.2	.0	.0	.9	1.2	1.2	.6	.5	.6	.8	.2	.2	.2	.5	.6
215.	*	.4	.9	1.0	.6	.3	.0	.0	1.0	1.2	1.1	.7	.5	.8	.8	.2	.2	.2	.5	.6
220.	*	.4	.9	1.0	.7	.3	.1	.0	1.1	1.2	1.0	.6	.5	.7	1.0	.2	.2	.2	.5	.6
225.	*	.4	.9	1.0	.7	.3	.1	.0	1.1	1.3	.8	.5	.5	.7	1.0	.2	.2	.2	.5	.6
230.	*	.3	.8	.9	.7	.3	.1	.0	1.1	1.4	.8	.5	.5	.9	1.0	.2	.2	.2	.5	.6
235.	*	.3	.8	.8	.6	.3	.2	.0	1.1	1.3	.8	.4	.4	.9	1.0	.2	.2	.2	.5	.6
240.	*	.3	.8	.8	.7	.4	.2	.0	1.1	1.3	.6	.4	.4	.9	1.0	.1	.2	.2	.5	.6
245.	*	.3	.8	.8	.7	.4	.2	.0	1.1	1.3	.5	.3	.5	.9	.9	.0	.2	.2	.4	.6
250.	*	.4	.8	.8	.7	.4	.2	.1	1.2	1.3	.5	.3	.6	.9	.9	.0	.2	.2	.4	.6
255.	*	.4	.8	.8	.7	.5	.2	.1	1.2	1.3	.5	.4	.7	.9	.9	.0	.2	.2	.4	.6
260.	*	.4	.8	.8	.7	.4	.2	.1	1.3	1.3	.5	.6	.7	.9	.9	.0	.1	.2	.4	.6
265.	*	.5	.8	.8	.7	.5	.2	.1	1.3	1.1	.5	.6	.8	.9	.9	.0	.1	.2	.4	.7
270.	*	.5	.8	.9	.7	.5	.2	.1	1.3	1.2	.5	.6	.9	1.0	1.0	.0	.1	.2	.4	.8
275.	*	.5	.8	.9	.7	.5	.3	.1	1.2	1.2	.5	.5	.9	1.0	1.0	.0	.1	.2	.4	.6

280.	*	.6	.8	.9	.7	.4	.3	.1	1.0	1.0	.5	.5	1.0	1.0	.8	.1	.1	.2	.4	.6	.4
285.	*	.6	.8	.9	.7	.4	.3	.1	1.0	.9	.7	.5	.9	.9	.7	.1	.2	.2	.4	.6	.4
290.	*	.7	.8	1.0	.7	.3	.4	.2	1.0	.8	.6	.6	.8	1.0	.7	.1	.2	.1	.4	.5	.4
295.	*	.7	.8	1.0	.7	.4	.4	.3	1.0	.8	.6	.7	.8	.9	.6	.1	.2	.2	.3	.5	.4
300.	*	.7	.8	1.0	.5	.5	.4	.3	1.0	.8	.5	.6	1.0	.8	.7	.1	.2	.2	.3	.5	.5
305.	*	.8	.8	1.0	.5	.4	.4	.2	.9	.8	.5	.7	1.0	.9	.6	.0	.1	.2	.3	.5	.5
310.	*	.8	.8	1.1	.6	.4	.2	.3	.7	.7	.4	.7	.9	.9	.6	.0	.0	.2	.3	.5	.5
315.	*	.8	.8	1.1	.6	.4	.4	.5	.7	.7	.6	.8	.9	.8	.5	.0	.0	.1	.3	.5	.4
320.	*	.8	1.0	1.2	.5	.6	.7	.6	.6	.6	.4	.7	.8	.7	.5	.0	.0	.0	.2	.5	.4
325.	*	.9	1.0	1.3	.7	.6	.7	.7	.4	.4	.3	.6	.8	.7	.5	.0	.0	.0	.1	.4	.4
330.	*	1.0	1.2	1.4	.7	.9	.7	.7	.4	.3	.3	.6	.7	.7	.5	.0	.0	.0	.0	.3	.2
335.	*	1.1	1.2	1.4	.5	.8	.8	.7	.1	.3	.3	.6	.7	.6	.5	.0	.0	.0	.0	.1	.2
340.	*	1.2	1.3	1.4	.5	.9	.8	.9	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.2	1.3	1.4	.5	.8	.9	.8	.1	.2	.3	.4	.6	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.1	1.2	1.2	.6	.8	.9	.6	.0	.1	.3	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0
355.	*	1.1	1.1	1.2	.6	.8	.8	.7	.0	.1	.2	.4	.5	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.0	1.0	.5	.7	.7	.7	.0	.0	.1	.2	.4	.5	.5	.1	.1	.1	.0	.0	.0
-----																					
MAX	*	1.2	1.3	1.4	.7	.9	.9	.9	1.3	1.4	1.2	.8	1.0	1.0	1.0	.6	.9	1.3	.8	1.0	.8
DEGR.	*	340	340	330	220	330	345	340	260	230	210	195	300	270	220	160	175	175	140	165	160

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JOB: PurpleLine - S10 No Bld 2015 PM

RUN: PurpleLine S10 No Bld 2015 PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.8	.9	.8	.4	.4	.4	.3
5.	.0	.7	.8	.8	.4	.5	.4	.3
10.	.0	.7	.8	.8	.4	.6	.5	.4
15.	.0	.7	.7	.8	.6	.7	.4	.4
20.	.0	.7	.7	1.0	.7	.7	.4	.5
25.	.0	.7	.7	1.0	.6	.7	.3	.6
30.	.0	.7	.9	.9	.6	.4	.5	.6
35.	.0	.7	1.0	.9	.6	.2	.6	.7
40.	.0	.8	1.1	1.1	.4	.2	.5	.8
45.	.0	.9	1.1	1.0	.4	.3	.5	1.0
50.	.0	.9	1.1	.8	.4	.3	.6	1.0
55.	.0	.9	1.1	.7	.4	.3	.8	1.0
60.	.0	.9	1.0	.5	.4	.3	.8	.9
65.	.1	.9	1.0	.5	.3	.4	.8	.9
70.	.1	.9	1.0	.3	.3	.4	.9	.9
75.	.1	1.0	1.0	.3	.4	.5	.9	.9
80.	.1	1.0	1.0	.3	.4	.5	.9	.9
85.	.1	1.0	1.1	.3	.3	.5	1.0	.8
90.	.1	1.0	1.1	.3	.4	.6	1.0	.6
95.	.1	1.2	1.0	.4	.5	.8	1.0	.6
100.	.2	1.3	.9	.4	.5	.8	.9	.7
105.	.2	1.3	.9	.6	.5	.7	.7	.8
110.	.2	1.1	.8	.6	.6	.7	.9	.7
115.	.2	1.0	.9	.6	.6	.9	.9	.6
120.	.3	1.0	.9	.6	.9	.8	.8	.5
125.	.2	.9	.8	.7	.8	.7	.8	.5
130.	.2	.7	.6	.6	.7	.6	.7	.5
135.	.3	.5	.6	.5	.5	.6	.7	.5
140.	.5	.3	.6	.6	.5	.6	.7	.5
145.	.4	.4	.4	.4	.6	.6	.6	.5
150.	.5	.4	.4	.4	.6	.7	.6	.5
155.	.6	.2	.4	.4	.6	.7	.6	.5
160.	.6	.2	.3	.4	.4	.6	.5	.4
165.	.7	.1	.3	.4	.4	.5	.4	.5
170.	.7	.0	.1	.3	.3	.4	.4	.5
175.	.7	.0	.1	.1	.3	.4	.4	.4
180.	.7	.0	.0	.1	.1	.2	.3	.4
185.	.7	.0	.0	.0	.1	.1	.2	.2
190.	.6	.0	.0	.0	.0	.1	.1	.2
195.	.5	.0	.0	.0	.0	.0	.1	.1
200.	.5	.0	.0	.0	.0	.0	.0	.1
205.	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine - S10 No Bld 2015 PM

RUN: PurpleLine S10 No Bld 2015 PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.4	.0	.0	.0	.0	.0	.0	.0
215.	.4	.0	.0	.0	.0	.0	.0	.0
220.	.4	.0	.0	.0	.0	.0	.0	.0
225.	.4	.0	.0	.0	.0	.0	.0	.0



230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.5	.1	.1	.0	.0	.0	.0	.0
310.	*	.5	.2	.2	.1	.0	.0	.0	.0
315.	*	.4	.2	.3	.2	.1	.0	.0	.0
320.	*	.4	.5	.5	.3	.2	.0	.0	.0
325.	*	.4	.6	.6	.5	.2	.2	.0	.0
330.	*	.2	.7	.8	.6	.5	.2	.2	.0
335.	*	.1	.9	1.0	.7	.5	.2	.2	.1
340.	*	.0	1.0	1.0	.8	.6	.4	.1	.1
345.	*	.0	.9	1.0	.7	.5	.4	.2	.1
350.	*	.0	.8	.9	.7	.4	.4	.2	.1
355.	*	.0	.8	.9	.7	.4	.3	.3	.3
360.	*	.0	.8	.9	.8	.4	.4	.4	.3
-----									
MAX	*	.7	1.3	1.1	1.1	.9	.9	1.0	1.0
DEGR.	*	165	100	40	40	120	115	85	45

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 330 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 230 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 340 DEGREES FROM REC2 .

PurpleLine - S10 LOWBRT 2015 AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 LOWBRT 2015 AM	52	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 1170 3.5 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	835 3.5 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150	83	2.0 835 37.8 1675 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	265 3.5 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150	127	2.0 265 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	1165 3.5 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	1165 3.5 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	2350 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	2350 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1980 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150	78	2.0 1980 37.8 1673 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	185 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150	122	2.0 185 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	2635 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1520 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	960 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150	101	2.0 960 37.8 1612 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	90 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150	136	2.0 90 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1215 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1215 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1685 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1260 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150	95	2.0 1260 37.8 1654 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	185 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150	130	2.0 185 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1710 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1710 3.5 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	70	3.5	0	32	30.
1												
0		650nbR	AG	1350.	1048.	1448.	1090.	70	3.5	0	32	30.
1												
0		650sbR	AG	1334.	1706.	1311.	1458.	185	3.5	0	32	30.
1												
0		650sbR	AG	1311.	1458.	1212.	1415.	185	3.5	0	32	30.
1												
0		193ebR	AG	1052.	1487.	1147.	1372.	470	3.5	0	32	30.
1												
0		193ebR	AG	1147.	1372.	1219.	1224.	470	3.5	0	32	30.
1												
0		193ebR	AG	1219.	1224.	1247.	1117.	470	3.5	0	32	30.
1												
0		193ebR	AG	1247.	1117.	1269.	958.	470	3.5	0	32	30.
1												
0		193wbR	AG	1666.	987.	1450.	1178.	240	3.5	0	32	30.
1												
0		193wbR	AG	1450.	1178.	1402.	1274.	240	3.5	0	32	30.
1												
0		193wbR	AG	1402.	1274.	1371.	1385.	240	3.5	0	32	30.
1												
0		BRTeb	AG	339.	2424.	992.	1562.	34	2.0	0	32	30.
1												
0		BRTeb	AG	992.	1562.	1123.	1405.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1123.	1405.	1292.	1225.	34	2.0	0	32	30.
2												
0		BRTeb	AG	1210.	1312.	1124.	1403.	0.	12	1		
150		101		2.0	34	10.1	1770	1	3			
1												
0		BRTeb	AG	1292.	1223.	1579.	953.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1579.	953.	1789.	780.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1789.	780.	2728.	63.	34	2.0	0	32	30.
1												
0		BRTwb	AG	2730.	173.	1701.	956.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1701.	956.	1356.	1262.	34	2.0	0	32	30.
2												
0		BRTwb	AG	1453.	1176.	1634.	1015.	0.	12	1		
150		95		2.0	34	10.1	1611	1	3			
1												
0		BRTwb	AG	1356.	1261.	1136.	1520.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1136.	1520.	1006.	1680.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1006.	1680.	449.	2422.	34	2.0	0	32	30.
1.0	04	1000	OY	5	0	72						

JOB: PurpleLine - S10 LOWBRT 2015 AM  
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RUN: PurpleLine S10 LOWBRT 2015 AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.7	970.4	*	126.	186. AG	168.	100.0	.0	36.0	.40 6.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1307.3	1018.7	*	92.	185. AG	172.	100.0	.0	24.0	.61 4.7
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1347.0	1674.0	*	301.	6. AG	158.	100.0	.0	36.0	.87 15.3
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.5	1470.9	*	123.	5. AG	82.	100.0	.0	12.0	.65 6.3
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	960.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1100.1	1453.6	*	177.	318. AG	205.	100.0	.0	36.0	.66 9.0
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	90.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1184.6	1395.1	*	76.	319. AG	92.	100.0	.0	12.0	.76 3.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1215.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1215.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	70.	3.5	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	470.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	470.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	
40. 0	BRTeb	339.0	2424.0	992.0	1562.0	*	1081.	143. AG	34.	2.0	.0	32.0	
41. 0	BRTeb	992.0	1562.0	1123.0	1405.0	*	204.	140. AG	34.	2.0	.0	32.0	
42. 0	BRTeb	1123.0	1405.0	1292.0	1225.0	*	247.	137. AG	34.	2.0	.0	32.0	
43. 0	BRTeb	1210.0	1312.0	1197.1	1325.6	*	19.	317. AG	18.	100.0	.0	12.0	.06 1.0
44. 0	BRTeb	1292.0	1223.0	1579.0	953.0	*	394.	133. AG	34.	2.0	.0	32.0	

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RUN: PurpleLine S10 LOWBRT 2015 AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTeb	1579.0	953.0	1789.0	780.0	*	272.	129. AG	34.	2.0	.0	32.0	
46. 0	BRTeb	1789.0	780.0	2728.0	63.0	*	1181.	127. AG	34.	2.0	.0	32.0	
47. 0	BRTwb	2730.0	173.0	1701.0	956.0	*	1293.	307. AG	34.	2.0	.0	32.0	
48. 0	BRTwb	1701.0	956.0	1356.0	1262.0	*	461.	312. AG	34.	2.0	.0	32.0	
49. 0	BRTwb	1453.0	1176.0	1466.2	1164.3	*	18.	132. AG	17.	100.0	.0	12.0	.06 .9
50. 0	BRTwb	1356.0	1261.0	1136.0	1520.0	*	340.	320. AG	34.	2.0	.0	32.0	
51. 0	BRTwb	1136.0	1520.0	1006.0	1680.0	*	206.	321. AG	34.	2.0	.0	32.0	
52. 0	BRTwb	1006.0	1680.0	449.0	2422.0	*	928.	323. AG	34.	2.0	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2015 AM  
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RUN: PurpleLine S10 LOWBRT 2015 AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	83	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650sbTq	150	78	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	122	2.0	185	1770	37.80	1	3
17. 0	650ebTq	150	101	2.0	960	1612	37.80	1	3
19. 0	650ebLq	150	136	2.0	90	1770	37.80	1	3

24. 0	650wbT	*	150	95	2.0	1260	1654	37.80	1	3
26. 0	650wbL	*	150	130	2.0	185	1770	37.80	1	3
43. 0	BRTeb	*	150	101	2.0	34	1770	10.10	1	3
49. 0	BRTwb	*	150	95	2.0	34	1611	10.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWBRT 2015 AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.3	.5	.7	.4	.6	.6	.4	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5. *	.3	.3	.3	.3	.6	.6	.3	.0	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10. *	.2	.2	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.1	.3	.3	.5	.3	.0	.0
15. *	.3	.3	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.1	.3	.4	.7	.4	.0	.0
20. *	.1	.1	.2	.4	.6	.4	.2	.0	.0	.0	.0	.1	.1	.1	.4	.6	.8	.5	.1	.0
25. *	.1	.1	.1	.4	.6	.4	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.6	.1	.0	.0
30. *	.1	.1	.1	.5	.6	.3	.2	.0	.0	.0	.0	.0	.0	.4	.6	1.0	.6	.1	.1	.1
35. *	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	.1
40. *	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	.1
45. *	.1	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.9	.6	.2	.1	.1
50. *	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	.0
55. *	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	.0
60. *	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.8	.6	.2	.1	.1
65. *	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.1	.1
70. *	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.2
75. *	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.2
80. *	.0	.0	.0	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.2
85. *	.0	.0	.0	.5	.3	.2	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.2
90. *	.0	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	.2
95. *	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	.2
100. *	.0	.0	.1	.2	.4	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.2
105. *	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.2
110. *	.0	.0	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2	.2
115. *	.0	.0	.1	.3	.3	.4	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.2
120. *	.0	.0	.0	.3	.3	.4	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3	.3
125. *	.0	.0	.0	.2	.3	.4	.3	.2	.4	.3	.0	.0	.0	.4	.7	.7	.7	.3	.3	.3
130. *	.0	.0	.0	.1	.3	.3	.3	.4	.4	.4	.1	.0	.0	.4	.7	.8	.7	.3	.3	.3
135. *	.0	.0	.0	.0	.2	.1	.1	.4	.7	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4	.2
140. *	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.4	.1	.0	.5	.8	.8	.8	.4	.2	.2
145. *	.0	.0	.0	.0	.0	.0	.1	.6	.9	.8	.3	.1	.0	.5	.8	.9	.7	.6	.4	.4
150. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	.8	.4	.2	.1	.6	.9	1.1	.7	.5	.5	.5
155. *	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.0	.4	.2	.1	.1	.7	.9	1.1	.7	.5	.6
160. *	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.5	.2	.1	.1	.8	1.0	1.1	.4	.6	.7
165. *	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.5	.2	.1	.1	.8	.9	1.0	.4	.8	.7
170. *	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.9	.5	.2	.2	.2	.8	1.0	1.1	.4	.8	.7
175. *	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.9	.9	.9	.4	.7	.6
180. *	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.3	.2	.2	.8	.8	.7	.4	.7	.6
185. *	.2	.2	.2	.1	.0	.0	.0	.8	.9	.8	.5	.4	.2	.3	.6	.6	.6	.2	.7	.5
190. *	.2	.2	.2	.2	.0	.0	.0	.9	.9	.8	.5	.5	.3	.3	.5	.5	.6	.3	.6	.5

195. \* .2 .3 .3 .2 .0 .0 .0 .8 .9 .8 .5 .6 .4 .6 .4 .5 .5 .3 .6 .4  
 200. \* .3 .3 .3 .2 .1 .0 .0 .8 1.0 .9 .6 .3 .4 .6 .3 .4 .4 .3 .6 .4  
 205. \* .3 .3 .3 .3 .1 .1 .0 .9 1.0 .8 .7 .3 .4 .6 .1 .3 .3 .3 .6 .3

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JOB: PurpleLine - S10 LOWBRT 2015 AM

RUN: PurpleLine S10 LOWBRT 2015 AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----
210. * .3 .3 .3 .3 .1 .1 .0 .9 1.0 .8 .7 .3 .5 .7 .1 .1 .2 .4 .6 .2
215. * .3 .3 .3 .3 .1 .1 .1 .9 1.0 .9 .6 .3 .7 .6 .1 .1 .2 .4 .6 .2
220. * .3 .3 .3 .3 .1 .1 .1 1.0 1.0 .8 .3 .3 .7 .7 .1 .2 .2 .4 .6 .2
225. * .3 .3 .3 .4 .1 .1 .1 1.0 1.1 .7 .3 .3 .6 .7 .0 .2 .2 .3 .6 .2
230. * .3 .3 .3 .4 .1 .1 .1 .9 1.1 .6 .3 .4 .6 .7 .0 .2 .2 .3 .5 .2
235. * .3 .3 .3 .4 .1 .1 .1 .9 1.0 .6 .3 .4 .7 .7 .0 .1 .2 .3 .5 .3
240. * .3 .3 .3 .5 .1 .1 .1 .9 1.1 .5 .3 .4 .7 .6 .0 .1 .2 .3 .5 .3
245. * .3 .3 .3 .6 .1 .1 .1 1.0 1.1 .3 .3 .3 .7 .5 .0 .0 .2 .3 .4 .3
250. * .3 .3 .3 .6 .1 .1 .1 1.1 1.2 .3 .3 .4 .7 .6 .0 .1 .2 .3 .4 .3
255. * .3 .3 .3 .6 .2 .1 .1 1.1 1.2 .3 .3 .5 .7 .6 .0 .0 .1 .3 .4 .3
260. * .3 .3 .3 .6 .2 .1 .1 1.1 1.2 .3 .3 .5 .7 .6 .0 .0 .1 .3 .2 .3
265. * .3 .3 .3 .6 .2 .1 .1 1.3 1.1 .3 .3 .6 .7 .5 .0 .0 .1 .2 .2 .3
270. * .3 .3 .3 .7 .2 .1 .1 1.3 1.1 .3 .4 .6 .7 .5 .0 .0 .1 .2 .2 .3
275. * .3 .3 .3 .7 .3 .2 .1 1.3 1.1 .2 .4 .6 .7 .4 .0 .0 .1 .2 .3 .3
280. * .3 .3 .3 .7 .3 .2 .1 1.2 1.1 .2 .5 .6 .6 .4 .0 .0 .1 .2 .3 .3
285. * .3 .3 .3 .7 .3 .2 .1 1.2 .9 .2 .4 .7 .6 .4 .0 .0 .0 .1 .4 .3
290. * .3 .3 .3 .7 .3 .2 .2 1.1 .9 .3 .4 .7 .6 .4 .0 .0 .1 .2 .4 .3
295. * .3 .3 .4 .7 .3 .3 .2 1.1 .8 .4 .4 .7 .4 .4 .0 .1 .1 .2 .4 .3
300. * .3 .3 .4 .5 .4 .3 .3 .8 .8 .5 .4 .6 .4 .4 .0 .1 .2 .2 .4 .4
305. * .3 .3 .4 .5 .3 .3 .3 .8 .7 .4 .5 .6 .4 .4 .0 .0 .1 .2 .5 .4
310. * .3 .3 .4 .5 .2 .2 .1 .6 .6 .5 .5 .5 .4 .4 .0 .0 .1 .3 .5 .4
315. * .3 .3 .6 .5 .3 .3 .2 .4 .4 .6 .5 .5 .5 .4 .0 .0 .0 .3 .4 .4
320. * .3 .3 .6 .5 .4 .4 .3 .4 .5 .4 .5 .5 .6 .5 .0 .0 .0 .1 .4 .4
325. * .3 .3 .7 .5 .3 .5 .6 .3 .3 .4 .5 .5 .6 .5 .0 .0 .0 .0 .3 .2
330. * .3 .3 .8 .6 .5 .6 .6 .3 .3 .5 .6 .5 .5 .5 .0 .0 .0 .0 .2 .2
335. * .3 .5 1.0 .5 .6 .6 .6 .1 .2 .3 .5 .6 .5 .6 .0 .0 .0 .1 .1 .1
340. * .3 .5 1.0 .5 .7 .7 .5 .1 .1 .3 .4 .5 .5 .5 .0 .0 .0 .1 .0 .0
345. * .4 .5 .7 .4 .7 .7 .5 .0 .1 .3 .4 .5 .6 .5 .1 .0 .0 .0 .0 .0
350. * .4 .5 .8 .4 .7 .7 .5 .0 .0 .2 .3 .5 .5 .5 .1 .0 .1 .0 .0 .0
355. * .4 .5 .8 .5 .7 .7 .4 .0 .0 .0 .3 .4 .5 .3 .1 .1 .3 .0 .0 .0
360. * .3 .5 .7 .4 .6 .6 .4 .0 .0 .0 .2 .3 .4 .3 .2 .2 .3 .0 .0 .0
-----
MAX * .4 .5 1.0 .7 .7 .7 .6 1.3 1.2 1.0 .7 .7 .7 .7 .9 1.0 1.1 .8 .8 .7
DEGR. * 345 0 335 270 340 340 325 265 250 155 205 285 215 210 175 160 150 135 165 160
  
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JOB: PurpleLine - S10 LOWBRT 2015 AM

RUN: PurpleLine S10 LOWBRT 2015 AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

```

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28
-----
0. * .0 .3 .8 .7 .5 .4 .4 .3
5. * .0 .3 .8 .7 .6 .5 .3 .3
10. * .0 .3 .8 .8 .6 .5 .5 .4
15. * .0 .4 .8 .9 .5 .5 .6 .5
20. * .0 .4 .8 1.0 .5 .6 .7 .5
25. * .0 .4 .7 1.0 .4 .5 .4 .6
30. * .0 .5 .8 .9 .5 .6 .4 .6
35. * .0 .5 .8 1.0 .5 .4 .5 .7
40. * .0 .6 .9 1.0 .6 .3 .5 .7
45. * .1 .7 .9 .8 .5 .3 .5 .7
50. * .1 .8 .9 .7 .5 .3 .7 .7
55. * .1 .8 .9 .7 .2 .3 .8 .7
60. * .0 .9 1.0 .6 .2 .3 .8 .7
65. * .0 1.0 1.0 .6 .2 .4 .7 .6
70. * .0 1.0 1.0 .5 .2 .4 .8 .6
75. * .0 1.0 1.0 .4 .2 .5 .8 .5
80. * .1 1.0 1.0 .4 .2 .5 .8 .5
85. * .1 1.0 1.0 .4 .3 .4 .8 .4
90. * .1 1.1 1.1 .4 .5 .5 .8 .4
95. * .2 1.1 1.0 .3 .5 .6 .8 .3
100. * .2 1.1 1.0 .3 .5 .6 .7 .3
105. * .2 .9 .8 .5 .6 .6 .6 .3
110. * .2 .9 .7 .5 .6 .6 .6 .3
115. * .2 .9 .8 .5 .4 .5 .6 .3
120. * .2 .9 .7 .5 .4 .6 .4 .3
125. * .3 .9 .6 .4 .7 .6 .4 .3
130. * .2 .8 .5 .4 .5 .7 .5 .3
135. * .3 .5 .4 .3 .5 .7 .5 .3
140. * .3 .4 .3 .4 .5 .5 .4 .4
145. * .3 .3 .2 .4 .5 .5 .4 .4
150. * .5 .2 .2 .4 .5 .5 .5 .4
  
```

155.	*	.5	.1	.1	.3	.5	.5	.5	.5
160.	*	.6	.1	.1	.1	.5	.3	.5	.5
165.	*	.6	.1	.1	.1	.2	.3	.3	.5
170.	*	.4	.1	.1	.1	.2	.2	.4	.4
175.	*	.4	.1	.1	.1	.2	.2	.3	.4
180.	*	.3	.0	.1	.1	.1	.2	.3	.4
185.	*	.3	.0	.0	.1	.1	.2	.2	.3
190.	*	.3	.0	.0	.0	.1	.1	.2	.3
195.	*	.3	.0	.0	.0	.0	.1	.1	.2
200.	*	.3	.0	.0	.0	.0	.0	.1	.1
205.	*	.3	.0	.0	.0	.0	.0	.0	.1

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JOB: PurpleLine - S10 LOWBRT 2015 AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.1	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.5	.2	.2	.0	.0	.0
330.	*	.1	.4	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.7	.6	.3	.1	.1	.0
340.	*	.0	.5	.7	.6	.4	.1	.1	.1
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.4	.7	.7	.5	.3	.1	.2
355.	*	.0	.4	.8	.7	.5	.3	.3	.2
360.	*	.0	.3	.8	.7	.5	.4	.4	.3

MAX	*	.6	1.1	1.1	1.0	.7	.7	.8	.7
DEGR.	*	160	90	90	20	125	130	55	35

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 265 DEGREES FROM REC8 .  
THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC9 .  
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC17.

PurpleLine - S10 LOWBRT 2015 PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 LOWBRT 2015 PM	52	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 2530 3.7 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	1865 3.7 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150		2.0 1865 37.8 1671 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	470 3.7 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150		2.0 470 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	2200 3.7 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	2200 3.7 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	1515 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	1515 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1120 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150		2.0 1120 37.8 1678 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	315 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150		2.0 315 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	1725 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	2000 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1510 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150		2.0 1510 37.8 1645 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	370 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150		2.0 370 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	2020 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	2020 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	2010 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	995 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150		2.0 995 37.8 1664 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	235 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150		2.0 235 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	2110 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	2110 3.5 0 56 30.
1			



0		650nbR	AG	1297.	505.	1350.	1048.	195	3.7	0	32	30.
1												
0		650nbR	AG	1350.	1048.	1448.	1090.	195	3.7	0	32	30.
1												
0		650sbR	AG	1334.	1706.	1311.	1458.	80	3.5	0	32	30.
1												
0		650sbR	AG	1311.	1458.	1212.	1415.	80	3.5	0	32	30.
1												
0		193ebR	AG	1052.	1487.	1147.	1372.	370	3.5	0	32	30.
1												
0		193ebR	AG	1147.	1372.	1219.	1224.	370	3.5	0	32	30.
1												
0		193ebR	AG	1219.	1224.	1247.	1117.	370	3.5	0	32	30.
1												
0		193ebR	AG	1247.	1117.	1269.	958.	370	3.5	0	32	30.
1												
0		193wbR	AG	1666.	987.	1450.	1178.	215	3.5	0	32	30.
1												
0		193wbR	AG	1450.	1178.	1402.	1274.	215	3.5	0	32	30.
1												
0		193wbR	AG	1402.	1274.	1371.	1385.	215	3.5	0	32	30.
1												
0		BRTeb	AG	339.	2424.	992.	1562.	34	2.0	0	32	30.
1												
0		BRTeb	AG	992.	1562.	1123.	1405.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1123.	1405.	1292.	1225.	34	2.0	0	32	30.
2												
0		BRTeb	AG	1210.	1312.	1124.	1403.	0.	12	1		
150				95	2.0	34	10.1	1770	1	3		
1												
0		BRTeb	AG	1292.	1223.	1579.	953.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1579.	953.	1789.	780.	34	2.0	0	32	30.
1												
0		BRTeb	AG	1789.	780.	2728.	63.	34	2.0	0	32	30.
1												
0		BRTwb	AG	2730.	173.	1701.	956.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1701.	956.	1356.	1262.	34	2.0	0	32	30.
2												
0		BRTwb	AG	1453.	1176.	1634.	1015.	0.	12	1		
150				89	2.0	34	10.1	1611	1	3		
1												
0		BRTwb	AG	1356.	1261.	1136.	1520.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1136.	1520.	1006.	1680.	34	2.0	0	32	30.
1												
0		BRTwb	AG	1006.	1680.	449.	2422.	34	2.0	0	32	30.
1.0	04	1000	OY	5	0	72						

JOB: PurpleLine - S10 LOWBRT 2015 PM  
DATE: 12/20/2007 TIME: 07:58:19.72

RUN: PurpleLine S10 LOWBRT 2015 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.7	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.7	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1301.9	675.6	*	422.	186. AG	183.	100.0	.0	36.0	1.00 21.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.7	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1300.8	951.2	*	160.	185. AG	161.	100.0	.0	24.0	.76 8.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.7	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.7	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.4	1565.6	*	192.	6. AG	191.	100.0	.0	36.0	.64 9.7
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1725.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1510.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1019.7	1543.4	*	297.	318. AG	193.	100.0	.0	36.0	.90 15.1
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	370.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	-536.7	3344.4	*	2677.	319. AG	91.	100.0	.0	12.0	2.62 136.0
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2020.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2020.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	995.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1562.5	1060.9	*	161.	133. AG	180.	100.0	.0	36.0	.52 8.2
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.7	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	195.	3.7	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	370.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	370.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	
40. 0	BRTeb	339.0	2424.0	992.0	1562.0	*	1081.	143. AG	34.	2.0	.0	32.0	
41. 0	BRTeb	992.0	1562.0	1123.0	1405.0	*	204.	140. AG	34.	2.0	.0	32.0	
42. 0	BRTeb	1123.0	1405.0	1292.0	1225.0	*	247.	137. AG	34.	2.0	.0	32.0	
43. 0	BRTeb	1210.0	1312.0	1197.9	1324.8	*	18.	317. AG	17.	100.0	.0	12.0	.06 .9
44. 0	BRTeb	1292.0	1223.0	1579.0	953.0	*	394.	133. AG	34.	2.0	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2015 PM  
DATE: 12/20/2007 TIME: 07:58:19.72

RUN: PurpleLine S10 LOWBRT 2015 PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTeb	1579.0	953.0	1789.0	780.0	*	272.	129. AG	34.	2.0	.0	32.0	
46. 0	BRTeb	1789.0	780.0	2728.0	63.0	*	1181.	127. AG	34.	2.0	.0	32.0	
47. 0	BRTwb	2730.0	173.0	1701.0	956.0	*	1293.	307. AG	34.	2.0	.0	32.0	
48. 0	BRTwb	1701.0	956.0	1356.0	1262.0	*	461.	312. AG	34.	2.0	.0	32.0	
49. 0	BRTwb	1453.0	1176.0	1465.4	1165.0	*	17.	132. AG	16.	100.0	.0	12.0	.06 .8
50. 0	BRTwb	1356.0	1261.0	1136.0	1520.0	*	340.	320. AG	34.	2.0	.0	32.0	
51. 0	BRTwb	1136.0	1520.0	1006.0	1680.0	*	206.	321. AG	34.	2.0	.0	32.0	
52. 0	BRTwb	1006.0	1680.0	449.0	2422.0	*	928.	323. AG	34.	2.0	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2015 PM  
DATE: 12/20/2007 TIME: 07:58:19.72

RUN: PurpleLine S10 LOWBRT 2015 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	94	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650ebTq	150	95	2.0	1510	1645	37.80	1	3
19. 0	650ebLq	150	134	2.0	370	1770	37.80	1	3

24. 0	650wbT	*	150	89	2.0	995	1664	37.80	1	3
26. 0	650wbL	*	150	128	2.0	235	1770	37.80	1	3
43. 0	BRTeb	*	150	95	2.0	34	1770	10.10	1	3
49. 0	BRTwb	*	150	89	2.0	34	1611	10.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWBRT 2015 PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.1	1.1	1.1	.4	.7	.5	.5	.0	.0	.1	.3	.4	.5	.5	.1	.1	.1	.0	.0	.0
5. *	.9	1.0	.7	.2	.7	.5	.5	.0	.0	.0	.1	.4	.5	.4	.2	.3	.4	.0	.0	.0
10. *	.5	.7	.6	.3	.7	.5	.5	.0	.0	.0	.1	.2	.4	.4	.5	.4	.4	.2	.0	.0
15. *	.4	.5	.4	.2	.7	.5	.4	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0	.0
20. *	.3	.4	.4	.3	.6	.4	.4	.0	.0	.0	.1	.2	.1	.5	.4	.4	.4	.0	.0	.0
25. *	.3	.4	.3	.3	.6	.4	.3	.0	.0	.0	.1	.1	.1	.5	.4	.3	.5	.0	.0	.0
30. *	.2	.2	.2	.4	.6	.4	.3	.0	.0	.0	.0	.1	.1	.4	.5	.4	.5	.2	.0	.0
35. *	.1	.2	.2	.4	.6	.4	.3	.0	.0	.0	.0	.1	.1	.4	.5	.4	.6	.2	.0	.0
40. *	.0	.2	.2	.4	.6	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1	.1
45. *	.0	.2	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1	.1
50. *	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1	.1
55. *	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1	.1
60. *	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.4	.3	.5	.7	.3	.1	.1
65. *	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1	.1
70. *	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1	.1
75. *	.0	.0	.2	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1	.1
80. *	.0	.0	.2	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1	.1
85. *	.1	.1	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2	.2
90. *	.1	.2	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2	.2
95. *	.1	.2	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.2	.2
100. *	.1	.2	.2	.2	.5	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2	.2
105. *	.1	.2	.2	.3	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2	.2
110. *	.0	.2	.2	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2	.2
115. *	.0	.1	.2	.4	.5	.6	.6	.1	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3	.3
120. *	.0	.0	.1	.4	.6	.6	.5	.1	.2	.0	.0	.0	.0	.3	.3	.8	.7	.3	.3	.3
125. *	.0	.0	.1	.3	.6	.5	.4	.3	.4	.2	.0	.0	.0	.3	.3	.8	.7	.3	.3	.3
130. *	.0	.0	.0	.2	.5	.4	.4	.3	.5	.4	.2	.0	.0	.3	.3	.8	.6	.4	.4	.4
135. *	.0	.0	.0	.1	.3	.3	.2	.4	.6	.6	.3	.1	.0	.4	.4	1.0	.6	.4	.4	.4
140. *	.0	.0	.0	.0	.2	.2	.1	.4	.7	.7	.5	.2	.0	.4	.5	1.0	.7	.5	.4	.4
145. *	.0	.0	.0	.0	.2	.1	.1	.4	.9	.9	.5	.2	.0	.4	.5	1.0	.7	.4	.4	.4
150. *	.0	.0	.0	.0	.0	.0	.1	.4	.9	.8	.5	.2	.0	.4	.6	1.0	.7	.4	.6	.6
155. *	.0	.0	.0	.0	.0	.0	.0	.3	1.0	.8	.5	.3	.2	.1	.5	.7	1.1	.6	1.0	.7
160. *	.0	.0	.0	.0	.0	.0	.0	.4	.8	.8	.5	.4	.2	.1	.6	.8	1.0	.8	.9	.9
165. *	.1	.1	.2	.0	.0	.0	.0	.4	.8	.8	.5	.4	.3	.2	.6	.7	1.0	.8	1.0	.9
170. *	.1	.2	.2	.0	.0	.0	.0	.4	.9	.8	.4	.4	.3	.2	.6	.8	1.2	.6	1.0	1.0
175. *	.2	.2	.4	.0	.0	.0	.0	.3	.9	.8	.5	.6	.6	.3	.7	1.0	1.3	.4	.9	.8
180. *	.3	.4	.5	.2	.0	.0	.0	.3	.9	.8	.5	.4	.5	.5	.7	.9	1.0	.5	.9	.8
185. *	.6	.7	.8	.2	.0	.0	.0	.3	.9	.8	.5	.6	.7	.6	.7	.8	.8	.5	.8	.8
190. *	.7	.8	.9	.4	.0	.0	.0	.3	.8	.9	.7	.7	.6	.7	.2	.5	.6	.4	.8	.8

195.	*	.8	.9	1.0	.5	.0	.0	.0	.4	.8	1.0	.8	.7	.7	.9	.4	.4	.5	.3	.7	.7
200.	*	.8	1.0	1.0	.6	.1	.0	.0	.4	1.0	1.1	.8	.8	.7	.8	.3	.3	.3	.4	.7	.7
205.	*	.9	1.0	1.1	.7	.3	.0	.0	.4	1.1	1.0	.8	.7	.6	.8	.2	.2	.2	.4	.7	.7

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JOB: PurpleLine - S10 LOWBRT 2015 PM

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WIND	*	CONCENTRATION																			
ANGLE	*	(PPM)																			
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.9	1.0	1.1	.7	.3	.0	.0	.7	1.1	1.1	.6	.5	.7	.9	.2	.2	.2	.5	.7	.7
215.	*	1.0	1.0	1.1	.7	.3	.1	.0	.7	1.2	1.0	.7	.5	.8	.9	.2	.2	.2	.5	.7	.7
220.	*	1.0	1.0	1.0	.8	.3	.2	.0	.7	1.2	.9	.6	.5	.7	1.0	.2	.2	.3	.5	.7	.7
225.	*	1.0	1.0	1.0	.8	.4	.2	.0	.8	1.2	.8	.5	.5	.7	1.0	.2	.2	.3	.5	.7	.7
230.	*	1.0	1.0	1.0	.8	.4	.2	.0	.8	1.3	.7	.5	.5	.9	1.0	.2	.2	.3	.5	.7	.7
235.	*	.9	.9	.9	.8	.4	.2	.1	.9	1.3	.7	.5	.5	.9	1.0	.2	.2	.3	.5	.7	.7
240.	*	.9	.9	.9	.7	.4	.2	.1	.9	1.2	.6	.4	.5	.9	1.0	.1	.2	.3	.5	.7	.6
245.	*	.8	.8	.8	.7	.4	.2	.1	.9	1.2	.5	.4	.5	1.0	1.0	.0	.2	.3	.5	.7	.6
250.	*	.8	.8	.8	.7	.4	.2	.1	1.1	1.2	.4	.4	.6	1.0	1.0	.0	.2	.3	.5	.7	.6
255.	*	.8	.8	.8	.7	.5	.2	.1	1.1	1.2	.4	.3	.7	.9	.9	.0	.2	.3	.5	.7	.6
260.	*	.8	.8	.8	.7	.4	.2	.1	1.1	1.2	.4	.5	.7	1.0	.9	.0	.1	.3	.5	.7	.5
265.	*	.8	.8	.8	.7	.5	.2	.1	1.2	1.0	.4	.5	.8	1.1	1.0	.0	.1	.3	.5	.8	.5
270.	*	.8	.8	.9	.7	.5	.2	.1	1.2	1.1	.4	.6	1.0	1.1	1.0	.0	.1	.3	.5	.9	.6
275.	*	.8	.8	.9	.7	.5	.3	.1	1.1	1.1	.4	.5	1.0	1.1	1.1	.0	.2	.3	.5	.7	.6
280.	*	.8	.8	.9	.7	.5	.3	.1	1.0	.9	.4	.5	1.1	1.1	.9	.1	.2	.3	.5	.7	.5
285.	*	.8	.8	.9	.7	.4	.3	.1	.9	.8	.6	.5	1.0	1.1	.9	.1	.3	.3	.5	.7	.5
290.	*	.8	.8	1.0	.7	.3	.4	.2	1.0	.8	.5	.7	.9	1.1	.8	.2	.3	.2	.5	.6	.5
295.	*	.8	.8	1.0	.7	.4	.4	.3	1.0	.8	.5	.8	.9	1.0	.8	.2	.3	.3	.4	.7	.5
300.	*	.8	.8	1.0	.6	.5	.4	.3	1.0	.8	.6	.7	1.1	1.0	.9	.2	.3	.3	.4	.7	.7
305.	*	.8	.8	1.0	.5	.4	.4	.2	.9	.8	.6	.8	1.1	1.1	.8	.0	.2	.3	.4	.7	.7
310.	*	.9	.9	1.1	.6	.6	.4	.3	.7	.7	.5	.8	1.1	1.0	.7	.0	.0	.3	.4	.7	.7
315.	*	.9	.9	1.2	.7	.5	.5	.6	.7	.7	.6	.9	1.0	.9	.5	.0	.0	.2	.4	.6	.5
320.	*	.9	1.0	1.3	.7	.7	.7	.6	.7	.7	.5	.8	.9	.7	.5	.0	.0	.0	.3	.6	.5
325.	*	1.0	1.2	1.5	.8	.6	.7	.5	.4	.4	.4	.6	.8	.7	.5	.0	.0	.0	.1	.5	.5
330.	*	1.0	1.3	1.5	.8	.9	.7	.6	.3	.2	.3	.6	.8	.7	.5	.0	.0	.0	.3	.2	
335.	*	1.3	1.4	1.5	.6	.8	.8	.7	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.1	.2	
340.	*	1.3	1.4	1.4	.5	.9	.8	.7	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.1	.1	
345.	*	1.3	1.4	1.4	.5	.9	.8	.6	.1	.2	.3	.4	.7	.7	.6	.0	.0	.0	.1	.0	
350.	*	1.2	1.2	1.3	.5	.8	.8	.5	.0	.1	.3	.4	.7	.5	.6	.0	.0	.0	.0	.0	
355.	*	1.1	1.2	1.3	.5	.8	.7	.5	.0	.1	.2	.4	.6	.5	.6	.1	.1	.0	.0	.0	
360.	*	1.1	1.1	1.1	.4	.7	.5	.5	.0	.0	.1	.3	.4	.5	.5	.1	.1	.1	.0	.0	
MAX	*	1.3	1.4	1.5	.8	.9	.8	.7	1.2	1.3	1.1	.9	1.1	1.1	1.1	.7	1.0	1.3	.8	1.0	1.0
DEGR.	*	335	335	325	220	330	335	335	265	230	200	315	300	265	275	175	175	175	160	155	170

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JOB: PurpleLine - S10 LOWBRT 2015 PM

RUN: PurpleLine S10 LOWBRT 2015 PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.9	1.0	.8	.5	.4	.4	.3
5.	*	.0	.8	.9	.8	.5	.5	.4	.4
10.	*	.0	.8	.9	.8	.4	.6	.5	.4
15.	*	.0	.8	.8	.8	.6	.7	.4	.4
20.	*	.0	.8	.8	1.0	.7	.7	.4	.5
25.	*	.0	.8	.8	1.0	.6	.7	.3	.6
30.	*	.0	.8	.9	.9	.6	.4	.5	.6
35.	*	.0	.8	1.0	.9	.6	.2	.6	.7
40.	*	.0	1.0	1.1	1.1	.4	.2	.5	.8
45.	*	.0	1.0	1.1	1.0	.4	.3	.5	1.0
50.	*	.0	1.0	1.1	.8	.4	.3	.6	1.0
55.	*	.0	1.0	1.1	.7	.4	.4	.8	1.0
60.	*	.1	1.0	1.0	.5	.4	.3	.8	1.0
65.	*	.1	1.0	1.0	.5	.3	.3	.8	1.0
70.	*	.1	1.0	1.0	.3	.3	.3	.9	1.0
75.	*	.1	1.1	1.0	.3	.3	.4	.9	.9
80.	*	.1	1.1	1.0	.3	.3	.4	.9	.8
85.	*	.1	1.1	1.1	.3	.2	.4	1.0	.8
90.	*	.1	1.1	1.1	.3	.4	.5	1.0	.7
95.	*	.1	1.2	1.0	.4	.4	.7	.9	.7
100.	*	.2	1.3	.9	.3	.4	.7	.8	.8
105.	*	.2	1.3	.9	.4	.4	.7	.7	.9
110.	*	.2	1.2	.8	.5	.5	.6	.9	.7
115.	*	.2	1.0	.7	.5	.5	.9	.9	.6
120.	*	.3	.9	.8	.6	.9	.8	.8	.6
125.	*	.3	.8	.7	.6	.7	.7	.8	.6
130.	*	.3	.6	.5	.5	.7	.6	.7	.6
135.	*	.3	.5	.5	.5	.5	.6	.8	.6
140.	*	.5	.4	.6	.6	.6	.6	.8	.6
145.	*	.5	.4	.4	.4	.6	.6	.7	.6
150.	*	.6	.5	.4	.4	.6	.7	.7	.6

155.	*	.8	.3	.4	.4	.6	.7	.7	.5
160.	*	.8	.2	.3	.4	.5	.6	.5	.5
165.	*	.9	.2	.3	.4	.5	.6	.5	.6
170.	*	.8	.0	.2	.3	.3	.5	.5	.5
175.	*	.8	.0	.1	.2	.3	.4	.4	.5
180.	*	.8	.0	.0	.1	.2	.3	.4	.5
185.	*	.8	.0	.0	.0	.1	.1	.2	.2
190.	*	.7	.0	.0	.0	.0	.1	.1	.2
195.	*	.6	.0	.0	.0	.0	.0	.1	.1
200.	*	.6	.0	.0	.0	.0	.0	.0	.1
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine - S10 LOWBRT 2015 PM

RUN: PurpleLine S10 LOWBRT 2015 PM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.4	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.0	.0	.0	.0
270.	*	.4	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.0	.0	.0	.0	.0	.0	.0
280.	*	.4	.0	.0	.0	.0	.0	.0	.0
285.	*	.5	.0	.0	.0	.0	.0	.0	.0
290.	*	.5	.0	.0	.0	.0	.0	.0	.0
295.	*	.5	.0	.0	.0	.0	.0	.0	.0
300.	*	.5	.0	.0	.0	.0	.0	.0	.0
305.	*	.6	.1	.1	.0	.0	.0	.0	.0
310.	*	.6	.3	.3	.1	.0	.0	.0	.0
315.	*	.5	.3	.4	.3	.2	.0	.0	.0
320.	*	.5	.6	.6	.4	.3	.1	.0	.0
325.	*	.5	.8	.7	.6	.3	.3	.1	.0
330.	*	.2	.9	1.0	.7	.6	.3	.3	.1
335.	*	.1	1.1	1.2	.8	.6	.3	.3	.2
340.	*	.0	1.2	1.1	.9	.7	.5	.2	.2
345.	*	.0	1.0	1.1	.8	.6	.5	.3	.2
350.	*	.0	.9	1.0	.8	.5	.5	.3	.1
355.	*	.0	.9	1.0	.8	.5	.4	.3	.3
360.	*	.0	.9	1.0	.8	.5	.4	.4	.3
MAX	*	.9	1.3	1.2	1.1	.9	.9	1.0	1.0
DEGR.	*	165	100	335	40	120	115	85	45

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 325 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 335 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC1 .

S10 HIGHBRT 2015AM				60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0			
SE 164 S	1349.	856.	5.0			
SE 82 S	1357.	938.	5.0			
SE CNR	1401.	1043.	5.0			
SE 82 E	1485.	981.	5.0			
SE 164 E	1546.	926.	5.0			
SE MID E	1608.	872.	5.0			
NE MID E	1582.	1083.	5.0			
NE 164 E	1521.	1138.	5.0			
NE 82 E	1466.	1200.	5.0			
NE CNR	1422.	1281.	5.0			
NE 82 N	1402.	1367.	5.0			
NE 164 N	1402.	1449.	5.0			
NE MID N	1409.	1531.	5.0			
NW MID N	1317.	1719.	5.0			
NW 164 N	1310.	1638.	5.0			
NW 82 N	1302.	1555.	5.0			
NW CNR	1267.	1462.	5.0			
NW 82 W	1178.	1495.	5.0			
NW 164 W	1126.	1560.	5.0			
NW MIDW	1075.	1624.	5.0			
SW MID W	1062.	1408.	5.0			
SW 164 W	1113.	1342.	5.0			
SW 82 W	1160.	1272.	5.0			
SW CNR	1206.	1204.	5.0			
SW 82 S	1226.	1123.	5.0			
SW 164 S	1237.	1038.	5.0			
SW MID S	1237.	955.	5.0			
SITE 10 HIGHBRT 2015AM		52	1	0		
1						
0	650nbAP	AG	1236.	15.	1271.	361.
1						
0	650nbT	AG	1271.	361.	1355.	1221.
2						
0	650nbTq	AG	1343.	1096.	1304.	697.
150		85	2.0	835	37.8	1675 1 3
1						
0	650nbL	AG	1247.	388.	1329.	1246.
2						
0	650nbLq	AG	1316.	1110.	1277.	702.
150		127	2.0	265	37.8	1717 1 3
1						
0	650nbD	AG	1356.	1220.	1420.	2001.
1						
0	650nbD	AG	1420.	2001.	1507.	2421.
1						
0	650sbAP	AG	1463.	2422.	1386.	2066.
1						
0	650sbAP	AG	1386.	2066.	1350.	1713.
1						
0	650sbT	AG	1351.	1713.	1306.	1295.
2						
0	650sbTq	AG	1315.	1375.	1349.	1693.
150		78	2.0	1980	37.8	1673 1 3
1						
0	650sbL	AG	1372.	1706.	1331.	1273.
2						
0	650sbLq	AG	1338.	1348.	1370.	1691.
150		120	2.0	185	37.8	1770 1 3
1						
0	650sbD	AG	1306.	1294.	1178.	15.
1						
0	193wbAP	AG	2729.	161.	1679.	955.
1						
0	193wbT	AG	1679.	954.	1336.	1269.
2						
0	650wbT	AG	1444.	1170.	1670.	962.
150		95	2.0	1260	37.8	1654 1 3
1						
0	193wbL	AG	1649.	949.	1334.	1233.
2						
0	650wbL	AG	1426.	1151.	1644.	954.
150		130	2.0	185	37.8	1770 1 3
1						
0	193wbD	AG	1336.	1269.	1001.	1661.
1						
0	193wbD	AG	1001.	1661.	429.	2424.
1						
0	650nbR	AG	1297.	505.	1350.	1048.
1						
0	650nbR	AG	1353.	1047.	1426.	1070.
1						
0	650sbR	AG	1334.	1706.	1311.	1458.
1						
0	650sbR	AG	1311.	1458.	1212.	1415.
1						
0	193wbR	AG	1666.	987.	1450.	1178.
1						
0	193wbR	AG	1450.	1178.	1402.	1274.
1						
0	193wbR	AG	1402.	1274.	1371.	1385.
1						
0	193ebAP	AG	321.	2423.	1023.	1497.
1						

0		193ebT	AG	1024.	1497.	1300.	1181.	960	3.5	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150	101			2.0	960	37.8	1612	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	90	3.5	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150	136			2.0	90	37.8	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	470	3.5	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	470	3.5	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	470	3.5	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	1215	3.5	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	1215	3.5	0	56	30.
1												
0		BRTeb	AG	375.	2423.	892.	1734.	34	2.0	15	32	30.
1												
0		BRTeb	AG	892.	1734.	1038.	1547.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1038.	1547.	1337.	1199.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1337.	1199.	1613.	940.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1614.	940.	1803.	786.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1803.	786.	2730.	80.	34	2.0	15	32	30.
1												
0		BRTwb	AG	2731.	98.	1990.	660.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1990.	660.	1665.	916.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1665.	916.	1543.	1020.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1543.	1020.	1403.	1151.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1403.	1151.	1232.	1344.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1232.	1344.	1066.	1531.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1066.	1531.	841.	1824.	34	2.0	15	32	30.
1												
0		BRTwb	AG	841.	1824.	391.	2423.	34	2.0	15	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

DATE: 12/20/2007 TIME: 08:19:44.04

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.4	967.4	*	129.	186. AG	172.	100.0	.0	36.0	.41 6.6
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1245.2	369.5	*	744.	185. AG	86.	100.0	.0	12.0	1.22 37.8
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1347.0	1674.0	*	301.	6. AG	158.	100.0	.0	36.0	.87 15.3
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.3	1468.9	*	121.	5. AG	81.	100.0	.0	12.0	.60 6.2
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	70.	3.5	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	960.	3.5	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	1076.5	1435.9	*	177.	319. AG	205.	100.0	.0	36.0	.66 9.0
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	90.	3.5	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1166.7	1375.1	*	76.	320. AG	92.	100.0	.0	12.0	.76 3.9
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	470.	3.5	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	1215.	3.5	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	1215.	3.5	.0	56.0	
39. 0	BRTeb	375.0	2423.0	892.0	1734.0	*	861.	143. AG	34.	2.0	15.0	32.0	
40. 0	BRTeb	892.0	1734.0	1038.0	1547.0	*	237.	142. AG	34.	2.0	15.0	32.0	
41. 0	BRTeb	1038.0	1547.0	1337.0	1199.0	*	459.	139. AG	34.	2.0	15.0	32.0	
42. 0	BRTeb	1337.0	1199.0	1613.0	940.0	*	378.	133. AG	34.	2.0	15.0	32.0	
43. 0	BRTeb	1614.0	940.0	1803.0	786.0	*	244.	129. AG	34.	2.0	15.0	32.0	
44. 0	BRTeb	1803.0	786.0	2730.0	80.0	*	1165.	127. AG	34.	2.0	15.0	32.0	

JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

DATE: 12/20/2007 TIME: 08:19:44.04

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTwb	2731.0	98.0	1990.0	660.0	*	930.	307. AG	34.	2.0	15.0	32.0	
46. 0	BRTwb	1990.0	660.0	1665.0	916.0	*	414.	308. AG	34.	2.0	15.0	32.0	
47. 0	BRTwb	1665.0	916.0	1543.0	1020.0	*	160.	310. AG	34.	2.0	15.0	32.0	
48. 0	BRTwb	1543.0	1020.0	1403.0	1151.0	*	192.	313. AG	34.	2.0	15.0	32.0	
49. 0	BRTwb	1403.0	1151.0	1232.0	1344.0	*	258.	318. AG	34.	2.0	15.0	32.0	
50. 0	BRTwb	1232.0	1344.0	1066.0	1531.0	*	250.	318. AG	34.	2.0	15.0	32.0	
51. 0	BRTwb	1066.0	1531.0	841.0	1824.0	*	369.	322. AG	34.	2.0	15.0	32.0	
52. 0	BRTwb	841.0	1824.0	391.0	2423.0	*	749.	323. AG	34.	2.0	15.0	32.0	

JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

DATE: 12/20/2007 TIME: 08:19:44.04

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	85	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650sbTq	150	78	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	120	2.0	185	1770	37.80	1	3
17. 0	650wbT	150	95	2.0	1260	1654	37.80	1	3
19. 0	650wbL	150	130	2.0	185	1770	37.80	1	3



31. 0	193ebTQ	*	150	101	2.0	960	1612	37.80	1	3
33. 0	193ebLQ	*	150	136	2.0	90	1770	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.4	.5	.6	.4	.5	.5	.3	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5. *	.3	.3	.4	.3	.5	.5	.3	.0	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10. *	.2	.2	.3	.3	.5	.5	.3	.0	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0
15. *	.3	.3	.3	.3	.5	.4	.2	.0	.0	.0	.0	.1	.1	.1	.3	.4	.7	.4	.0	.0
20. *	.1	.2	.2	.4	.5	.4	.2	.0	.0	.0	.0	.1	.1	.1	.4	.6	.8	.5	.1	.0
25. *	.1	.1	.1	.4	.5	.3	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.6	.1	.0	.0
30. *	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	1.0	.6	.1	.1	.0
35. *	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	.0
40. *	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1	.0
45. *	.1	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.9	.6	.2	.1	.0
50. *	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	.0
55. *	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0	.0
60. *	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.8	.6	.2	.1	.0
65. *	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.1	.0
70. *	.0	.0	.1	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.0
75. *	.0	.0	.1	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.0
80. *	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.0
85. *	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2	.0
90. *	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	.0
95. *	.0	.0	.0	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2	.0
100. *	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.0
105. *	.0	.0	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.0
110. *	.0	.0	.1	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2	.0
115. *	.0	.0	.1	.3	.3	.3	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2	.0
120. *	.0	.0	.0	.2	.4	.3	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3	.0
125. *	.0	.0	.0	.2	.4	.3	.3	.2	.4	.3	.0	.0	.0	.4	.7	.7	.7	.3	.3	.0
130. *	.0	.0	.0	.1	.3	.2	.2	.3	.4	.4	.1	.0	.0	.4	.7	.8	.7	.3	.3	.0
135. *	.0	.0	.0	.1	.2	.2	.1	.4	.6	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4	.0
140. *	.0	.0	.0	.0	.1	.1	.1	.5	.7	.6	.4	.1	.0	.5	.8	.8	.8	.4	.2	.0
145. *	.0	.0	.0	.0	.1	.0	.0	.6	.8	.8	.3	.1	.0	.5	.8	.9	.7	.6	.3	.0
150. *	.0	.0	.0	.0	.0	.0	.0	.6	.8	.8	.4	.2	.1	.0	.6	.9	1.1	.7	.4	.0
155. *	.0	.0	.0	.0	.0	.0	.0	.6	.9	.9	.4	.2	.1	.1	.7	.9	1.1	.7	.4	.0
160. *	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.4	.2	.1	.1	.8	1.0	1.1	.4	.4	.0
165. *	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.4	.2	.1	.1	.8	.9	1.0	.4	.5	.0
170. *	.0	.0	.0	.0	.0	.0	.0	.8	1.1	.9	.5	.2	.2	.2	.8	1.0	1.1	.4	.5	.0
175. *	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.9	.9	.8	.5	.4	.0
180. *	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.3	.2	.2	.8	.8	.7	.5	.5	.0
185. *	.3	.3	.3	.1	.0	.0	.0	.8	.9	.8	.4	.5	.2	.3	.6	.6	.6	.2	.5	.0
190. *	.3	.3	.3	.3	.0	.0	.0	.9	.9	.8	.5	.6	.4	.3	.5	.5	.6	.2	.4	.0
195. *	.3	.4	.4	.3	.1	.0	.0	.8	.9	.9	.5	.7	.4	.6	.4	.4	.4	.3	.4	.0
200. *	.4	.4	.4	.3	.1	.0	.0	.8	1.0	1.0	.5	.5	.4	.6	.3	.4	.4	.2	.4	.0

205. \* .4 .4 .4 .4 .1 .1 .0 .9 1.0 .9 .6 .3 .4 .6 .1 .3 .3 .2 .4 .3  
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JOB: S10 HIGHBRT 2015AM

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WIND	* CONCENTRATION																				
ANGLE	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.4	.4	.4	.4	.2	.1	.0	.9	1.1	.9	.6	.3	.5	.7	.1	.1	.2	.2	.4	.3
215.	*	.4	.4	.4	.4	.2	.1	.1	.9	1.1	.9	.4	.3	.7	.6	.1	.1	.2	.2	.4	.2
220.	*	.4	.4	.4	.5	.2	.1	1.0	1.2	.8	.2	.3	.7	.6	.1	.2	.2	.3	.4	.2	
225.	*	.4	.4	.4	.5	.2	.1	1.0	1.2	.7	.3	.3	.6	.7	.0	.2	.2	.3	.4	.2	
230.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.2	.6	.3	.4	.6	.7	.0	.2	.2	.3	.4	.2
235.	*	.4	.4	.4	.6	.2	.1	.1	.9	1.1	.5	.3	.4	.7	.7	.0	.1	.2	.3	.3	.2
240.	*	.4	.4	.4	.6	.2	.1	.1	.9	1.0	.4	.3	.4	.7	.6	.0	.1	.2	.3	.3	.2
245.	*	.4	.4	.4	.6	.2	.1	1.0	1.0	.3	.3	.3	.7	.5	.0	.0	.2	.3	.3	.2	.2
250.	*	.4	.4	.4	.6	.2	.1	1.1	1.1	.2	.3	.4	.7	.6	.0	.1	.1	.3	.3	.3	.3
255.	*	.4	.4	.4	.6	.2	.1	1.1	1.1	.2	.3	.5	.7	.6	.0	.0	.1	.2	.2	.3	.3
260.	*	.4	.4	.4	.6	.3	.1	1.1	1.1	.2	.3	.5	.7	.5	.0	.0	.1	.2	.2	.3	.3
265.	*	.4	.4	.4	.6	.3	.1	1.1	1.2	1.1	.2	.3	.6	.7	.5	.0	.0	.1	.2	.2	.3
270.	*	.4	.4	.4	.6	.3	.1	1.1	1.2	1.1	.2	.4	.6	.7	.5	.0	.0	.1	.2	.2	.3
275.	*	.4	.4	.4	.6	.3	.1	1.1	1.3	1.0	.2	.4	.6	.6	.4	.0	.0	.1	.1	.2	.3
280.	*	.4	.4	.4	.6	.3	.2	1.1	1.2	1.0	.2	.5	.6	.6	.4	.0	.0	.1	.1	.3	.3
285.	*	.4	.4	.4	.6	.2	.2	1.1	1.1	.8	.3	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
290.	*	.4	.4	.4	.6	.2	.2	1.0	.8	.3	.4	.7	.6	.4	.0	.0	.0	.0	.1	.4	.3
295.	*	.4	.4	.5	.6	.2	.2	1.0	.8	.4	.4	.6	.4	.4	.0	.1	.0	.2	.4	.3	.3
300.	*	.4	.4	.5	.5	.3	.3	.3	.9	.8	.5	.4	.6	.4	.4	.0	.1	.1	.2	.4	.4
305.	*	.4	.4	.5	.4	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.0	.0	.1	.2	.5	.4
310.	*	.4	.4	.6	.6	.3	.3	.3	.5	.6	.5	.4	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.4	.4	.6	.6	.5	.4	.2	.4	.3	.5	.4	.5	.5	.4	.0	.0	.0	.2	.4	.4
320.	*	.4	.4	.7	.5	.4	.3	.3	.4	.5	.4	.5	.5	.6	.5	.0	.0	.0	.1	.3	.3
325.	*	.4	.4	.7	.6	.3	.3	.3	.3	.4	.5	.5	.6	.5	.5	.0	.0	.0	.0	.3	.2
330.	*	.4	.5	.9	.6	.2	.4	.5	.3	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.4	.5	.9	.4	.3	.5	.6	.1	.2	.3	.5	.6	.5	.6	.0	.0	.0	.0	.1	.1
340.	*	.4	.5	.9	.5	.6	.6	.6	.1	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.0
345.	*	.5	.5	.7	.4	.6	.6	.5	.0	.1	.3	.4	.5	.6	.5	.1	.0	.0	.0	.0	.0
350.	*	.5	.5	.8	.4	.7	.6	.5	.0	.0	.2	.3	.5	.5	.5	.1	.0	.1	.0	.0	.0
355.	*	.4	.5	.7	.5	.6	.6	.4	.0	.0	.0	.3	.4	.5	.3	.1	.1	.3	.0	.0	.0
360.	*	.4	.5	.6	.4	.5	.5	.3	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
MAX	*	.5	.5	.9	.6	.7	.6	.6	1.3	1.2	1.0	.6	.7	.7	.7	.9	1.0	1.1	.8	.6	.6
DEGR.	*	345	0	330	235	350	340	335	275	220	160	205	195	215	210	175	160	150	135	145	170

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JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	(PPM)							
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.8	.8	.4	.5	.4
5.	*	.0	.4	.8	.9	.5	.5	.4
10.	*	.0	.5	.8	.9	.6	.6	.5
15.	*	.0	.5	.8	.9	.5	.6	.6
20.	*	.0	.5	.7	.9	.5	.7	.7
25.	*	.0	.6	.8	1.0	.4	.6	.4
30.	*	.0	.6	.9	1.0	.5	.6	.4
35.	*	.0	.7	.9	.9	.5	.4	.4
40.	*	.0	.7	1.0	.9	.6	.3	.3
45.	*	.1	.9	1.0	.8	.5	.3	.3
50.	*	.1	.9	1.0	.8	.5	.3	.5
55.	*	.1	.9	1.0	.7	.2	.3	.6
60.	*	.0	1.1	1.1	.6	.2	.3	.6
65.	*	.0	1.1	1.1	.5	.2	.4	.5
70.	*	.0	1.1	1.1	.4	.2	.4	.6
75.	*	.0	1.1	1.1	.4	.3	.5	.6
80.	*	.1	1.1	1.2	.4	.3	.5	.6
85.	*	.1	1.1	1.1	.4	.4	.5	.7
90.	*	.1	1.2	1.1	.3	.5	.5	.7
95.	*	.2	1.2	1.0	.3	.5	.6	.7
100.	*	.2	1.0	.9	.3	.6	.6	.5
105.	*	.2	1.0	.9	.5	.6	.7	.5
110.	*	.2	1.0	.9	.5	.6	.7	.5
115.	*	.2	1.1	.8	.5	.4	.6	.5
120.	*	.2	1.1	.7	.5	.5	.7	.5
125.	*	.3	1.1	.7	.5	.6	.6	.4
130.	*	.2	.9	.6	.5	.5	.6	.5
135.	*	.3	.6	.4	.4	.5	.6	.5
140.	*	.2	.5	.4	.3	.5	.5	.5
145.	*	.2	.4	.5	.2	.5	.5	.4
150.	*	.5	.3	.1	.3	.5	.5	.5
155.	*	.5	.2	.1	.3	.5	.5	.6
160.	*	.5	.1	.2	.2	.5	.4	.5

165.	*	.5	.1	.1	.2	.4	.4	.4	.6
170.	*	.4	.1	.1	.2	.4	.3	.5	.5
175.	*	.4	.1	.1	.1	.3	.3	.4	.5
180.	*	.3	.0	.1	.1	.2	.3	.4	.5
185.	*	.3	.0	.0	.1	.1	.2	.3	.4
190.	*	.3	.0	.0	.0	.1	.1	.2	.3
195.	*	.2	.0	.0	.0	.0	.1	.1	.2
200.	*	.2	.0	.0	.0	.0	.0	.1	.1
205.	*	.2	.0	.0	.0	.0	.0	.0	.1

1

JOB: S10 HIGHBRT 2015AM

RUN: SITE 10 HIGHBRT 2015AM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.1	.1	.0	.0	.0
315.	*	.4	.2	.3	.1	.1	.0	.0	.0
320.	*	.3	.3	.3	.3	.2	.1	.0	.0
325.	*	.2	.4	.4	.4	.5	.1	.0	.0
330.	*	.1	.4	.6	.6	.5	.1	.1	.0
335.	*	.1	.4	.7	.7	.5	.1	.1	.0
340.	*	.0	.4	.8	.7	.6	.2	.1	.1
345.	*	.0	.4	.7	.8	.6	.3	.1	.1
350.	*	.0	.5	.7	.8	.5	.4	.1	.2
355.	*	.0	.4	.7	.8	.5	.4	.3	.2
360.	*	.0	.4	.8	.8	.4	.5	.4	.2
MAX	*	.5	1.2	1.2	1.0	.6	.7	.7	.7
DEGR.	*	150	90	80	25	10	20	20	45

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 275 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 220 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 90 DEGREES FROM REC22.

S10 HIGHBRT 2015PM				60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0			
SE 164 S	1349.	856.	5.0			
SE 82 S	1357.	938.	5.0			
SE CNR	1401.	1043.	5.0			
SE 82 E	1485.	981.	5.0			
SE 164 E	1546.	926.	5.0			
SE MID E	1608.	872.	5.0			
NE MID E	1582.	1083.	5.0			
NE 164 E	1521.	1138.	5.0			
NE 82 E	1466.	1200.	5.0			
NE CNR	1422.	1281.	5.0			
NE 82 N	1402.	1367.	5.0			
NE 164 N	1402.	1449.	5.0			
NE MID N	1409.	1531.	5.0			
NW MID N	1317.	1719.	5.0			
NW 164 N	1310.	1638.	5.0			
NW 82 N	1302.	1555.	5.0			
NW CNR	1267.	1462.	5.0			
NW 82 W	1178.	1495.	5.0			
NW 164 W	1126.	1560.	5.0			
NW MIDW	1075.	1624.	5.0			
SW MID W	1062.	1408.	5.0			
SW 164 W	1113.	1342.	5.0			
SW 82 W	1160.	1272.	5.0			
SW CNR	1206.	1204.	5.0			
SW 82 S	1226.	1123.	5.0			
SW 164 S	1237.	1038.	5.0			
SW MID S	1237.	955.	5.0			
SITE 10 HIGHBRT 2015PM		52	1	0		
1						
0	650nbAP	AG	1236.	15.	1271.	361.
1						
0	650nbT	AG	1271.	361.	1355.	1221.
2						
0	650nbTq	AG	1343.	1096.	1304.	697.
150		90	2.0	1865	37.8	1671 1 3
1						
0	650nbL	AG	1247.	388.	1329.	1246.
2						
0	650nbLq	AG	1316.	1110.	1277.	702.
150		119	2.0	470	37.8	1717 1 3
1						
0	650nbD	AG	1356.	1220.	1420.	2001.
1						
0	650nbD	AG	1420.	2001.	1507.	2421.
1						
0	650sbAP	AG	1463.	2422.	1386.	2066.
1						
0	650sbAP	AG	1386.	2066.	1350.	1713.
1						
0	650sbT	AG	1351.	1713.	1306.	1295.
2						
0	650sbTq	AG	1315.	1375.	1349.	1693.
150		93	2.0	1120	37.8	1678 1 3
1						
0	650sbL	AG	1372.	1706.	1331.	1273.
2						
0	650sbLq	AG	1338.	1348.	1370.	1691.
150		123	2.0	315	37.8	1770 1 3
1						
0	650sbD	AG	1306.	1294.	1178.	15.
1						
0	193wbAP	AG	2729.	161.	1679.	955.
1						
0	193wbT	AG	1679.	954.	1336.	1269.
2						
0	650wbT	AG	1444.	1170.	1670.	962.
150		89	2.0	1560	37.8	1664 1 3
1						
0	193wbL	AG	1649.	949.	1334.	1233.
2						
0	650wbL	AG	1426.	1151.	1644.	954.
150		128	2.0	235	37.8	1770 1 3
1						
0	193wbD	AG	1336.	1269.	1001.	1661.
1						
0	193wbD	AG	1001.	1661.	429.	2424.
1						
0	650nbR	AG	1297.	505.	1350.	1048.
1						
0	650nbR	AG	1353.	1047.	1426.	1070.
1						
0	650sbR	AG	1334.	1706.	1311.	1458.
1						
0	650sbR	AG	1311.	1458.	1212.	1415.
1						
0	193wbR	AG	1666.	987.	1450.	1178.
1						
0	193wbR	AG	1450.	1178.	1402.	1274.
1						
0	193wbR	AG	1402.	1274.	1371.	1385.
1						
0	193ebAP	AG	321.	2423.	1023.	1497.
1						

0		193ebT	AG	1024.	1497.	1300.	1181.	1510	3.5	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150	95			2.0	1510	37.8	1645	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	120	3.5	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150	134			2.0	120	37.8	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	370	3.5	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	370	3.5	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	370	3.5	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	2020	3.5	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	2020	3.5	0	56	30.
1												
0		BRTeb	AG	375.	2423.	892.	1734.	34	2.0	15	32	30.
1												
0		BRTeb	AG	892.	1734.	1038.	1547.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1038.	1547.	1337.	1199.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1337.	1199.	1613.	940.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1614.	940.	1803.	786.	34	2.0	15	32	30.
1												
0		BRTeb	AG	1803.	786.	2730.	80.	34	2.0	15	32	30.
1												
0		BRTwb	AG	2731.	98.	1990.	660.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1990.	660.	1665.	916.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1665.	916.	1543.	1020.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1543.	1020.	1403.	1151.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1403.	1151.	1232.	1344.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1232.	1344.	1066.	1531.	34	2.0	15	32	30.
1												
0		BRTwb	AG	1066.	1531.	841.	1824.	34	2.0	15	32	30.
1												
0		BRTwb	AG	841.	1824.	391.	2423.	34	2.0	15	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:36:05.45

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1301.9	675.6	*	422.	186. AG	183.	100.0	.0	36.0	1.00 21.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.5	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1123.8	-901.0	*	2020.	185. AG	80.	100.0	.0	12.0	1.52 102.6
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.2	1563.6	*	190.	6. AG	189.	100.0	.0	36.0	.63 9.6
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1725.	3.5	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1560.	3.5	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1635.5	993.8	*	260.	133. AG	180.	100.0	.0	36.0	.82 13.2
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.5	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	195.	3.5	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	1510.	3.5	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	997.0	1526.5	*	297.	319. AG	193.	100.0	.0	36.0	.90 15.1
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	120.	3.5	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1146.4	1399.0	*	108.	320. AG	91.	100.0	.0	12.0	.85 5.5
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	370.	3.5	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	2020.	3.5	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	2020.	3.5	.0	56.0	
39. 0	BRTeb	375.0	2423.0	892.0	1734.0	*	861.	143. AG	34.	2.0	15.0	32.0	
40. 0	BRTeb	892.0	1734.0	1038.0	1547.0	*	237.	142. AG	34.	2.0	15.0	32.0	
41. 0	BRTeb	1038.0	1547.0	1337.0	1199.0	*	459.	139. AG	34.	2.0	15.0	32.0	
42. 0	BRTeb	1337.0	1199.0	1613.0	940.0	*	378.	133. AG	34.	2.0	15.0	32.0	
43. 0	BRTeb	1614.0	940.0	1803.0	786.0	*	244.	129. AG	34.	2.0	15.0	32.0	
44. 0	BRTeb	1803.0	786.0	2730.0	80.0	*	1165.	127. AG	34.	2.0	15.0	32.0	

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:36:05.45

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTwb	2731.0	98.0	1990.0	660.0	*	930.	307. AG	34.	2.0	15.0	32.0	
46. 0	BRTwb	1990.0	660.0	1665.0	916.0	*	414.	308. AG	34.	2.0	15.0	32.0	
47. 0	BRTwb	1665.0	916.0	1543.0	1020.0	*	160.	310. AG	34.	2.0	15.0	32.0	
48. 0	BRTwb	1543.0	1020.0	1403.0	1151.0	*	192.	313. AG	34.	2.0	15.0	32.0	
49. 0	BRTwb	1403.0	1151.0	1232.0	1344.0	*	258.	318. AG	34.	2.0	15.0	32.0	
50. 0	BRTwb	1232.0	1344.0	1066.0	1531.0	*	250.	318. AG	34.	2.0	15.0	32.0	
51. 0	BRTwb	1066.0	1531.0	841.0	1824.0	*	369.	322. AG	34.	2.0	15.0	32.0	
52. 0	BRTwb	841.0	1824.0	391.0	2423.0	*	749.	323. AG	34.	2.0	15.0	32.0	

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:36:05.45

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	93	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650wbT	150	89	2.0	1560	1664	37.80	1	3
19. 0	650wbL	150	128	2.0	235	1770	37.80	1	3

31. 0	193ebTQ	*	150	95	2.0	1510	1645	37.80	1	3
33. 0	193ebLQ	*	150	134	2.0	120	1770	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.1	1.1	.9	.6	.7	.6	.6	.0	.0	.1	.2	.4	.5	.5	.1	.1	.1	.0	.0	.0
5. *	.8	.8	.7	.4	.6	.6	.6	.0	.0	.0	.1	.4	.4	.4	.2	.3	.4	.0	.0	.0
10. *	.5	.7	.6	.5	.6	.6	.5	.0	.0	.0	.1	.2	.4	.4	.5	.4	.4	.2	.0	.0
15. *	.4	.5	.4	.4	.6	.6	.5	.0	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0
20. *	.4	.4	.4	.5	.6	.6	.5	.0	.0	.0	.0	.1	.1	.1	.5	.4	.4	.4	.0	.0
25. *	.3	.4	.3	.5	.6	.6	.4	.0	.0	.0	.0	.1	.1	.1	.5	.4	.3	.4	.0	.0
30. *	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.1	.1	.1	.4	.4	.3	.5	.2	.0
35. *	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.4	.5	.4	.5	.2	.0
40. *	.2	.2	.2	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.0
45. *	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.1
50. *	.1	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.2	.1
55. *	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1
60. *	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.3	.1
65. *	.0	.2	.3	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
70. *	.0	.1	.3	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
75. *	.0	.1	.3	.6	.6	.3	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1
80. *	.0	.1	.3	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1
85. *	.0	.0	.2	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
90. *	.1	.1	.1	.6	.6	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
95. *	.1	.1	.2	.6	.7	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
100. *	.1	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
105. *	.1	.2	.3	.7	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
110. *	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
115. *	.0	.1	.2	.6	.6	.4	.5	.2	.2	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3
120. *	.0	.1	.1	.5	.6	.4	.4	.3	.3	.1	.0	.0	.0	.0	.3	.3	.8	.7	.3	.3
125. *	.0	.0	.1	.4	.5	.4	.4	.3	.4	.3	.1	.0	.0	.0	.3	.3	.8	.7	.3	.3
130. *	.0	.0	.0	.4	.4	.4	.3	.4	.8	.5	.2	.0	.0	.0	.3	.3	.8	.6	.5	.4
135. *	.0	.0	.0	.2	.3	.2	.3	.7	.9	.7	.4	.2	.0	.0	.3	.3	.9	.7	.5	.4
140. *	.0	.0	.0	.1	.2	.2	.2	.8	1.0	.9	.6	.2	.0	.0	.3	.4	.9	.8	.6	.5
145. *	.0	.0	.0	.0	.1	.1	.1	.9	1.1	1.1	.4	.1	.1	.0	.4	.5	1.0	.8	.4	.3
150. *	.0	.0	.0	.0	.1	.0	.0	1.0	1.1	.9	.5	.3	.1	.0	.4	.6	1.0	.8	.4	.3
155. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.1	.1	.5	.8	1.1	.8	.6	.5
160. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.9	.5	.4	.3	.2	.6	.8	1.1	.8	.7	.7
165. *	.1	.1	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.3	.2	.5	.7	1.0	.8	.8	.7
170. *	.1	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.4	.2	.6	.8	1.2	.7	1.0	.8
175. *	.2	.2	.3	.0	.0	.0	.0	1.0	1.0	.9	.5	.6	.7	.4	.7	.9	1.3	.5	.9	.6
180. *	.4	.5	.6	.2	.0	.0	.0	1.0	1.0	.9	.5	.6	.7	.4	.7	1.0	1.1	.5	.9	.6
185. *	.6	.7	.9	.3	.0	.0	.0	.9	1.0	.9	.6	.8	.7	.7	.7	.7	.9	.5	.7	.6
190. *	.8	.9	1.0	.5	.0	.0	.0	.9	.9	1.1	.7	.8	.7	.7	.2	.5	.6	.3	.7	.6
195. *	.9	1.0	1.1	.6	.1	.0	.0	.9	1.0	1.2	.8	.8	.7	1.0	.3	.3	.4	.2	.6	.5
200. *	.9	1.1	1.1	.7	.2	.0	.0	.9	1.2	1.2	.8	.7	.6	.8	.3	.3	.3	.3	.5	.5

205. \* 1.0 1.1 1.2 .8 .4 .1 .0 1.0 1.3 1.2 .8 .7 .5 .8 .2 .2 .2 .3 .5 .5  
1

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----*-----
210. * 1.0 1.1 1.2 .8 .4 .1 .0 1.1 1.3 1.2 .6 .5 .6 .8 .2 .2 .2 .4 .5 .5
215. * 1.1 1.1 1.2 .8 .4 .2 .0 1.1 1.4 1.1 .6 .5 .8 .8 .2 .2 .2 .4 .5 .5
220. * 1.1 1.1 1.1 .8 .5 .2 .0 1.1 1.4 1.0 .5 .5 .7 .9 .2 .2 .2 .5 .5 .5
225. * 1.1 1.1 1.1 .8 .5 .2 .0 1.1 1.4 .9 .5 .5 .7 1.0 .2 .2 .2 .5 .5 .5
230. * 1.0 1.0 1.0 .8 .5 .2 .0 1.1 1.4 .7 .4 .5 .8 1.0 .2 .2 .2 .5 .5 .4
235. * 1.0 1.0 1.0 .7 .5 .2 .1 1.1 1.3 .7 .3 .3 .9 1.0 .2 .2 .2 .4 .5 .4
240. * 1.0 1.0 1.0 .6 .5 .2 .1 1.1 1.2 .5 .3 .3 .9 1.0 .0 .2 .2 .4 .5 .5
245. * .9 .9 .9 .6 .5 .2 .1 1.1 1.2 .4 .3 .4 .9 .9 .0 .2 .2 .4 .5 .5
250. * .9 .9 .9 .6 .5 .2 .1 1.1 1.2 .5 .4 .5 .9 .9 .0 .2 .2 .4 .5 .4
255. * .9 .9 .9 .6 .5 .2 .1 1.1 1.2 .5 .5 .6 .9 .9 .0 .1 .2 .4 .5 .4
260. * .9 .9 .9 .6 .4 .2 .1 1.2 1.2 .5 .6 .6 .9 .9 .0 .1 .2 .4 .5 .4
265. * .9 .9 .9 .6 .4 .2 .1 1.2 1.1 .4 .6 .7 .9 .9 .0 .1 .2 .3 .6 .4
270. * .9 .9 .9 .6 .4 .2 .1 1.2 1.2 .4 .6 .7 1.0 1.0 .0 .0 .2 .3 .5 .4
275. * .9 .9 .9 .6 .4 .2 .1 1.2 1.2 .5 .5 .7 1.0 .9 .0 .1 .2 .3 .6 .4
280. * .9 .9 .9 .6 .4 .2 .1 1.0 1.0 .5 .5 .8 1.0 .8 .1 .1 .2 .3 .5 .4
285. * .9 .9 .9 .6 .4 .2 .1 1.0 .9 .6 .5 .8 .9 .6 .1 .2 .2 .4 .5 .4
290. * .9 .9 .9 .6 .5 .3 .2 1.0 .8 .6 .5 .8 .8 .7 .1 .2 .1 .4 .5 .4
295. * .9 .9 .9 .6 .4 .3 .2 1.0 .8 .6 .5 .8 .9 .6 .1 .2 .2 .4 .4 .4
300. * .9 .9 .9 .6 .4 .3 .2 .9 .8 .5 .6 1.0 .8 .6 .1 .1 .2 .2 .4 .5
305. * .9 .9 .9 .5 .5 .4 .3 .8 .8 .4 .7 .9 .9 .6 .0 .1 .2 .3 .5 .5
310. * 1.0 1.0 .9 .7 .6 .5 .3 .7 .7 .4 .7 .9 .9 .6 .0 .0 .1 .3 .5 .5
315. * 1.0 1.0 1.0 .7 .7 .6 .3 .6 .7 .5 .6 .8 .8 .5 .0 .0 .1 .3 .5 .4
320. * 1.0 1.0 1.1 .7 .5 .4 .4 .6 .5 .3 .7 .8 .7 .5 .0 .0 .0 .1 .5 .4
325. * 1.0 1.0 1.1 .8 .6 .4 .6 .4 .4 .3 .6 .8 .7 .5 .0 .0 .0 .1 .3 .3
330. * 1.1 1.2 1.2 .8 .4 .6 .6 .4 .3 .3 .6 .7 .7 .5 .0 .0 .0 .0 .3 .2
335. * 1.3 1.3 1.2 .6 .7 .7 .7 .1 .3 .3 .6 .7 .6 .5 .0 .0 .0 .0 .1 .2
340. * 1.3 1.3 1.3 .6 .8 .8 .8 .1 .3 .3 .6 .7 .7 .6 .0 .0 .0 .0 .1 .1
345. * 1.2 1.3 1.2 .6 .8 .8 .7 .1 .2 .3 .4 .6 .7 .6 .0 .0 .0 .0 .1 .0
350. * 1.2 1.1 1.3 .7 .7 .8 .7 .0 .1 .3 .4 .6 .5 .6 .0 .0 .0 .0 .0 .0
355. * 1.1 1.2 1.2 .7 .8 .7 .7 .0 .1 .2 .4 .5 .5 .6 .1 .1 .0 .0 .0 .0
360. * 1.1 1.1 .9 .6 .7 .6 .6 .0 .0 .1 .2 .4 .5 .5 .1 .1 .1 .0 .0 .0
-----*-----
MAX * 1.3 1.3 1.3 .8 .8 .8 .8 1.2 1.4 1.2 .8 1.0 1.0 1.0 .7 1.0 1.3 .8 1.0 .8
DEGR. * 335 335 340 205 340 340 340 260 215 195 195 300 270 195 175 180 175 140 170 170
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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

```
WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28
-----*-----
0. * .0 1.0 .9 1.0 .5 .4 .4 .2
5. * .0 1.0 .9 1.0 .4 .4 .5 .3
10. * .0 .9 .8 .8 .4 .6 .6 .4
15. * .0 .9 .8 .7 .5 .7 .4 .3
20. * .0 .9 .8 .9 .6 .7 .4 .4
25. * .0 .9 .7 1.0 .6 .7 .3 .6
30. * .0 .8 .9 1.0 .6 .5 .5 .6
35. * .0 .8 1.0 .9 .6 .4 .5 .6
40. * .0 .8 1.2 .9 .4 .3 .4 .7
45. * .0 1.0 1.2 .8 .4 .3 .4 .8
50. * .0 1.0 1.2 .8 .4 .3 .6 .8
55. * .0 1.0 1.1 .5 .4 .3 .7 .8
60. * .0 1.0 1.1 .5 .4 .3 .7 .9
65. * .1 1.0 1.0 .5 .3 .4 .7 .9
70. * .1 1.0 1.0 .3 .3 .4 .8 .9
75. * .1 1.1 1.1 .3 .4 .5 .8 .9
80. * .1 1.1 1.1 .3 .4 .5 .8 .8
85. * .1 1.1 1.1 .3 .3 .5 .9 .9
90. * .1 1.2 1.0 .4 .4 .5 .9 .8
95. * .1 1.3 1.0 .3 .6 .7 .9 .8
100. * .2 1.4 1.1 .4 .6 .7 .8 .7
105. * .2 1.2 1.0 .5 .6 .7 .7 .8
110. * .2 1.2 .9 .6 .7 .7 .8 .8
115. * .2 1.2 .9 .6 .8 .8 .8 .7
120. * .3 1.1 .9 .7 .9 .9 .7 .8
125. * .2 1.0 .9 .6 .6 .8 .7 .7
130. * .2 .9 .8 .6 .5 .6 .6 .7
135. * .3 .7 .6 .5 .5 .6 .7 .7
140. * .4 .6 .7 .4 .7 .6 .7 .7
145. * .3 .5 .4 .3 .6 .6 .7 .7
150. * .4 .4 .4 .4 .6 .6 .7 .7
155. * .6 .4 .3 .4 .6 .7 .7 .6
160. * .6 .2 .4 .4 .6 .7 .6 .6
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165.	*	.7	.2	.3	.4	.6	.6	.6	.7
170.	*	.6	.0	.3	.4	.4	.6	.6	.6
175.	*	.6	.0	.1	.3	.4	.5	.5	.6
180.	*	.6	.0	.0	.2	.3	.4	.5	.6
185.	*	.6	.0	.0	.0	.2	.2	.3	.3
190.	*	.5	.0	.0	.0	.0	.2	.2	.3
195.	*	.4	.0	.0	.0	.0	.0	.1	.1
200.	*	.4	.0	.0	.0	.0	.0	.0	.1
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.4	.0	.0	.0	.0	.0	.0	.0
220.	*	.4	.0	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.5	.2	.1	.1	.0	.0	.0	.0
310.	*	.5	.3	.3	.1	.1	.0	.0	.0
315.	*	.4	.4	.4	.4	.2	.1	.0	.0
320.	*	.4	.6	.5	.4	.4	.1	.0	.0
325.	*	.3	.8	.7	.6	.4	.2	.1	.0
330.	*	.2	1.0	.9	.7	.7	.4	.2	.1
335.	*	.1	1.2	.9	.8	.7	.4	.1	.1
340.	*	.0	1.1	1.1	1.0	.6	.4	.2	.1
345.	*	.0	1.2	.9	.9	.7	.4	.3	.1
350.	*	.0	1.2	.9	.9	.6	.3	.3	.1
355.	*	.0	1.0	.9	1.0	.6	.3	.3	.3
360.	*	.0	1.0	.9	1.0	.5	.4	.4	.2
MAX	*	.7	1.4	1.2	1.0	.9	.9	.9	.9
DEGR.	*	165	100	40	0	120	120	85	60

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 215 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 100 DEGREES FROM REC22.  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC1 .

PurpleLine - S10 LOWLRT 2015 AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 LOWLRT 2015 AM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 1170 3.5 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	835 3.5 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150	83	2.0 835 37.8 1675 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	265 3.5 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150	127	2.0 265 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	1165 3.5 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	1165 3.5 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	2350 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	2350 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1980 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150	78	2.0 1980 37.8 1673 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	185 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150	122	2.0 185 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	2635 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1520 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	960 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150	101	2.0 960 37.8 1612 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	90 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150	136	2.0 90 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1215 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1215 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1685 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1260 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150	95	2.0 1260 37.8 1654 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	185 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150	130	2.0 185 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1710 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1710 3.5 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	70	3.5	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	70	3.5	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	185	3.5	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	185	3.5	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	470	3.5	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	470	3.5	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	470	3.5	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	470	3.5	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	240	3.5	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	240	3.5	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	240	3.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 LOWLRT 2015 AM  
DATE: 12/20/2007 TIME: 07:59:04.98

RUN: PurpleLine S10 LOWLRT 2015 AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.7	970.4	*	126.	186. AG	168.	100.0	.0	36.0	.40 6.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1307.3	1018.7	*	92.	185. AG	172.	100.0	.0	24.0	.61 4.7
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1347.0	1674.0	*	301.	6. AG	158.	100.0	.0	36.0	.87 15.3
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.5	1470.9	*	123.	5. AG	82.	100.0	.0	12.0	.65 6.3
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	960.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1100.1	1453.6	*	177.	318. AG	205.	100.0	.0	36.0	.66 9.0
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	90.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1184.6	1395.1	*	76.	319. AG	92.	100.0	.0	12.0	.76 3.9
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1215.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1215.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	70.	3.5	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	470.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	470.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	

JOB: PurpleLine - S10 LOWLRT 2015 AM  
DATE: 12/20/2007 TIME: 07:59:04.98

RUN: PurpleLine S10 LOWLRT 2015 AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	83	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650sbTq	150	78	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	122	2.0	185	1770	37.80	1	3
17. 0	650ebTq	150	101	2.0	960	1612	37.80	1	3
19. 0	650ebLq	150	136	2.0	90	1770	37.80	1	3
24. 0	650wbT	150	95	2.0	1260	1654	37.80	1	3
26. 0	650wbL	150	130	2.0	185	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWLRT 2015 AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
5.	*	.3	.3	.3	.3	.6	.6	.3	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0	.0
10.	*	.2	.2	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0
15.	*	.3	.3	.3	.3	.6	.4	.2	.0	.0	.0	.1	.1	.1	.3	.4	.7	.4	.0	.0
20.	*	.1	.1	.2	.4	.6	.4	.2	.0	.0	.0	.0	.1	.1	.4	.6	.8	.5	.1	.0
25.	*	.1	.1	.1	.4	.6	.4	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.6	.1	.0
30.	*	.1	.1	.1	.5	.6	.3	.2	.0	.0	.0	.0	.0	.0	.4	.6	1.0	.6	.1	.1
35.	*	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
40.	*	.1	.1	.1	.5	.6	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
45.	*	.1	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.9	.6	.2	.1
50.	*	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0
55.	*	.0	.1	.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0
60.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.8	.6	.2	.1
65.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.1
70.	*	.0	.0	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
75.	*	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
80.	*	.0	.0	.0	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
85.	*	.0	.0	.0	.5	.3	.2	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
90.	*	.0	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
95.	*	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
100.	*	.0	.0	.1	.2	.4	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
105.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
110.	*	.0	.0	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2
115.	*	.0	.0	.1	.3	.3	.4	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
120.	*	.0	.0	.0	.3	.3	.4	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3
125.	*	.0	.0	.0	.2	.3	.4	.3	.2	.4	.3	.0	.0	.0	.4	.7	.7	.7	.3	.3
130.	*	.0	.0	.0	.1	.3	.3	.3	.4	.4	.1	.0	.0	.0	.4	.7	.8	.7	.3	.3
135.	*	.0	.0	.0	.0	.2	.1	.1	.4	.7	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4
140.	*	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.4	.1	.0	.5	.8	.8	.8	.4	.2
145.	*	.0	.0	.0	.0	.0	.0	.1	.6	.9	.8	.3	.1	.0	.5	.8	.9	.7	.6	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	.8	.4	.2	.1	.0	.6	.9	1.1	.7	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.0	.4	.2	.1	.1	.7	.9	1.1	.7	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.5	.2	.1	.1	.8	1.0	1.1	.4	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.5	.2	.1	.1	.8	.9	1.0	.4	.8
170.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.9	.5	.2	.2	.2	.8	1.0	1.1	.4	.8
175.	*	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.9	.9	.9	.4	.7
180.	*	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.8	.8	.7	.4	.7
185.	*	.2	.2	.2	.1	.0	.0	.0	.8	.9	.8	.5	.4	.2	.3	.6	.6	.6	.2	.7
190.	*	.2	.2	.2	.2	.0	.0	.0	.9	.9	.8	.5	.5	.3	.3	.5	.5	.6	.3	.6
195.	*	.2	.3	.3	.2	.0	.0	.0	.8	.9	.8	.5	.6	.4	.6	.4	.5	.5	.3	.6
200.	*	.3	.3	.3	.2	.1	.0	.0	.8	1.0	.9	.6	.3	.4	.6	.3	.4	.4	.3	.6
205.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.4	.6	.1	.3	.3	.3	.6

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JOB: PurpleLine - S10 LOWLRT 2015 AM

RUN: PurpleLine S10 LOWLRT 2015 AM

PAGE 4

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.3	.3	.3	.3	.1	.1	.0	.9	1.0	.8	.7	.3	.5	.7	.1	.1	.2	.4	.6
215.	*	.3	.3	.3	.3	.1	.1	.1	.9	1.0	.9	.6	.3	.7	.6	.1	.1	.2	.4	.6
220.	*	.3	.3	.3	.3	.1	.1	.1	1.0	1.0	.8	.3	.3	.7	.7	.1	.2	.2	.4	.6
225.	*	.3	.3	.3	.4	.1	.1	.1	1.0	1.1	.7	.3	.3	.6	.7	.0	.2	.2	.3	.6
230.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.1	.6	.3	.4	.6	.7	.0	.2	.2	.3	.5
235.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.3	.4	.7	.7	.0	.1	.2	.3	.5
240.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.1	.5	.3	.4	.7	.6	.0	.1	.2	.3	.5
245.	*	.3	.3	.3	.6	.1	.1	.1	1.0	1.1	.3	.3	.3	.7	.5	.0	.0	.2	.3	.4
250.	*	.3	.3	.3	.6	.1	.1	.1	1.1	1.2	.3	.3	.4	.7	.6	.0	.1	.2	.3	.4
255.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.4
260.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.2	.3	.3	.5	.7	.6	.0	.0	.1	.3	.2
265.	*	.3	.3	.3	.6	.2	.1	.1	1.3	1.1	.3	.3	.6	.7	.5	.0	.0	.1	.2	.2
270.	*	.3	.3	.3	.7	.2	.1	.1	1.3	1.1	.3	.4	.6	.7	.5	.0	.0	.1	.2	.2
275.	*	.3	.3	.3	.7	.3	.2	.1	1.3	1.1	.2	.4	.6	.7	.4	.0	.0	.1	.2	.3

280.	*	.3	.3	.3	.7	.3	.2	.1	1.2	1.1	.2	.5	.6	.6	.4	.0	.0	.1	.2	.3	.3
285.	*	.3	.3	.3	.7	.3	.2	.1	1.2	.9	.2	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
290.	*	.3	.3	.3	.7	.3	.2	.2	1.1	.9	.3	.4	.7	.6	.4	.0	.0	.1	.2	.4	.3
295.	*	.3	.3	.4	.7	.3	.2	1.1	.8	.4	.4	.4	.7	.4	.4	.0	.1	.1	.2	.4	.3
300.	*	.3	.3	.4	.5	.4	.3	.3	.8	.8	.5	.4	.6	.4	.4	.0	.1	.2	.2	.4	.4
305.	*	.3	.3	.4	.5	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.0	.0	.1	.2	.5	.4
310.	*	.3	.3	.4	.5	.2	.1	.6	.6	.5	.5	.5	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.3	.3	.6	.5	.3	.3	.2	.4	.4	.6	.5	.5	.5	.4	.0	.0	.0	.3	.4	.4
320.	*	.3	.3	.6	.5	.4	.4	.3	.4	.5	.4	.5	.5	.6	.5	.0	.0	.0	.1	.4	.4
325.	*	.3	.3	.7	.5	.3	.5	.6	.3	.3	.4	.5	.5	.6	.5	.0	.0	.0	.3	.2	.2
330.	*	.3	.3	.8	.6	.5	.6	.6	.3	.3	.3	.5	.6	.5	.5	.0	.0	.0	.2	.2	.2
335.	*	.3	.5	1.0	.5	.6	.6	.6	.1	.2	.3	.5	.6	.5	.6	.0	.0	.0	.1	.1	.1
340.	*	.3	.5	1.0	.5	.7	.7	.5	.1	.1	.3	.4	.5	.5	.5	.0	.0	.0	.1	.0	.0
345.	*	.4	.5	.7	.4	.7	.7	.5	.0	.1	.3	.4	.5	.6	.5	.1	.0	.0	.0	.0	.0
350.	*	.4	.5	.8	.4	.7	.7	.5	.0	.0	.2	.3	.5	.5	.5	.1	.0	.1	.0	.0	.0
355.	*	.4	.5	.8	.5	.7	.7	.4	.0	.0	.0	.3	.4	.5	.3	.1	.1	.3	.0	.0	.0
360.	*	.3	.5	.7	.4	.6	.6	.4	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
-----																					
MAX	*	.4	.5	1.0	.7	.7	.7	.6	1.3	1.2	1.0	.7	.7	.7	.7	.9	1.0	1.1	.8	.8	.7
DEGR.	*	345	0	335	270	340	340	325	265	250	155	205	285	215	210	175	160	150	135	165	160

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JOB: PurpleLine - S10 LOWLRT 2015 AM

RUN: PurpleLine S10 LOWLRT 2015 AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.3	.8	.7	.5	.4	.4	.3
5.	.0	.3	.8	.7	.6	.5	.3	.3
10.	.0	.3	.8	.8	.6	.5	.5	.4
15.	.0	.4	.8	.9	.5	.5	.6	.5
20.	.0	.4	.8	1.0	.5	.6	.7	.5
25.	.0	.4	.7	1.0	.4	.5	.4	.6
30.	.0	.5	.8	.9	.5	.6	.4	.6
35.	.0	.5	.8	1.0	.5	.4	.5	.7
40.	.0	.6	.9	1.0	.6	.3	.5	.7
45.	.1	.7	.9	.8	.5	.3	.5	.7
50.	.1	.8	.9	.7	.5	.3	.7	.7
55.	.1	.8	.9	.7	.2	.3	.8	.7
60.	.0	.9	1.0	.6	.2	.3	.8	.7
65.	.0	1.0	1.0	.6	.2	.4	.7	.6
70.	.0	1.0	1.0	.5	.2	.4	.8	.6
75.	.0	1.0	1.0	.4	.2	.5	.8	.5
80.	.1	1.0	1.0	.4	.2	.5	.8	.5
85.	.1	1.0	1.0	.4	.3	.4	.8	.4
90.	.1	1.1	1.1	.4	.5	.5	.8	.4
95.	.2	1.1	1.0	.3	.5	.6	.8	.3
100.	.2	1.1	1.0	.3	.5	.6	.7	.3
105.	.2	.9	.8	.5	.6	.6	.6	.3
110.	.2	.9	.7	.5	.6	.6	.6	.3
115.	.2	.9	.8	.5	.4	.5	.6	.3
120.	.2	.9	.7	.5	.4	.6	.4	.3
125.	.3	.9	.6	.4	.7	.6	.4	.3
130.	.2	.8	.5	.4	.5	.7	.5	.3
135.	.3	.5	.4	.3	.5	.7	.5	.3
140.	.3	.4	.3	.4	.5	.5	.4	.4
145.	.3	.3	.2	.4	.5	.5	.4	.4
150.	.5	.2	.2	.4	.5	.5	.5	.4
155.	.5	.1	.1	.3	.5	.5	.5	.5
160.	.6	.1	.1	.1	.5	.3	.5	.5
165.	.6	.1	.1	.1	.2	.3	.3	.5
170.	.4	.1	.1	.1	.2	.2	.4	.4
175.	.4	.1	.1	.1	.2	.2	.3	.4
180.	.3	.0	.1	.1	.1	.2	.3	.4
185.	.3	.0	.0	.1	.1	.2	.2	.3
190.	.3	.0	.0	.0	.1	.1	.2	.3
195.	.3	.0	.0	.0	.0	.1	.1	.2
200.	.3	.0	.0	.0	.0	.0	.1	.1
205.	.3	.0	.0	.0	.0	.0	.0	.1

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JOB: PurpleLine - S10 LOWLRT 2015 AM

RUN: PurpleLine S10 LOWLRT 2015 AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0

230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.1	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.5	.2	.2	.0	.0	.0
330.	*	.1	.4	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.7	.6	.3	.1	.1	.0
340.	*	.0	.5	.7	.6	.4	.1	.1	.1
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.4	.7	.7	.5	.3	.1	.2
355.	*	.0	.4	.8	.7	.5	.3	.3	.2
360.	*	.0	.3	.8	.7	.5	.4	.4	.3
-----									
MAX	*	.6	1.1	1.1	1.0	.7	.7	.8	.7
DEGR.	*	160	90	90	20	125	130	55	35

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 265 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC17.

PurpleLine - S10 LOWLRT 2015 PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 LOWLRT 2015 PM	39	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 2530 3.7 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	1865 3.7 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150		2.0 1865 37.8 1671 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	470 3.7 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150		2.0 470 37.8 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	2200 3.7 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	2200 3.7 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	1515 3.5 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	1515 3.5 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	1120 3.5 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150		2.0 1120 37.8 1678 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	315 3.5 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150		2.0 315 37.8 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	1725 3.5 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	2000 3.5 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1510 3.5 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150		2.0 1510 37.8 1645 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	370 3.5 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150		2.0 370 37.8 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	2020 3.5 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	2020 3.5 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	2010 3.5 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	995 3.5 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150		2.0 995 37.8 1664 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	235 3.5 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150		2.0 235 37.8 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	2110 3.5 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	2110 3.5 0 56 30.
1			



0		650nbR	AG	1297.	505.	1350.	1048.	195	3.7	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	195	3.7	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	80	3.5	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	80	3.5	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	370	3.5	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	370	3.5	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	370	3.5	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	370	3.5	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	215	3.5	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	215	3.5	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	215	3.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 LOWLRT 2015 PM  
DATE: 12/20/2007 TIME: 07:59:21.35

RUN: PurpleLine S10 LOWLRT 2015 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.7	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.7	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1301.9	675.6	*	422.	186. AG	183.	100.0	.0	36.0	1.00 21.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.7	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1300.8	951.2	*	160.	185. AG	161.	100.0	.0	24.0	.76 8.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.7	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.7	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.4	1565.6	*	192.	6. AG	191.	100.0	.0	36.0	.64 9.7
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1725.	3.5	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1510.	3.5	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1019.7	1543.4	*	297.	318. AG	193.	100.0	.0	36.0	.90 15.1
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	370.	3.5	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	-536.7	3344.4	*	2677.	319. AG	91.	100.0	.0	12.0	2.62 136.0
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2020.	3.5	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2020.	3.5	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	995.	3.5	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1562.5	1060.9	*	161.	133. AG	180.	100.0	.0	36.0	.52 8.2
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.7	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	195.	3.7	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	370.	3.5	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	370.	3.5	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	

JOB: PurpleLine - S10 LOWLRT 2015 PM  
DATE: 12/20/2007 TIME: 07:59:21.35

RUN: PurpleLine S10 LOWLRT 2015 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	94	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650ebTq	150	95	2.0	1510	1645	37.80	1	3
19. 0	650ebLq	150	134	2.0	370	1770	37.80	1	3
24. 0	650wbT	150	89	2.0	995	1664	37.80	1	3
26. 0	650wbL	150	128	2.0	235	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWLRT 2015 PM

RUN: PurpleLine S10 LOWLRT 2015 PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.1	1.1	1.1	.4	.7	.5	.5	.0	.0	.1	.3	.4	.5	.5	.1	.1	.1	.0	.0
5.	*	.9	1.0	.7	.2	.7	.5	.5	.0	.0	.0	.1	.4	.5	.4	.2	.3	.4	.0	.0
10.	*	.5	.7	.6	.3	.7	.5	.5	.0	.0	.0	.1	.2	.4	.4	.5	.4	.4	.2	.0
15.	*	.4	.5	.4	.2	.7	.5	.4	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0
20.	*	.3	.4	.4	.3	.6	.4	.4	.0	.0	.0	.1	.2	.1	.5	.4	.4	.4	.0	.0
25.	*	.3	.4	.3	.3	.6	.4	.3	.0	.0	.0	.1	.1	.1	.5	.4	.3	.5	.0	.0
30.	*	.2	.2	.2	.4	.6	.4	.3	.0	.0	.0	.0	.1	.1	.4	.5	.4	.5	.2	.0
35.	*	.1	.2	.2	.4	.6	.4	.3	.0	.0	.0	.0	.1	.1	.4	.5	.4	.6	.2	.0
40.	*	.0	.2	.2	.4	.6	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1
45.	*	.0	.2	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1
50.	*	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.5	.4	.5	.6	.2	.1
55.	*	.0	.1	.2	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1
60.	*	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.4	.3	.5	.7	.3	.1
65.	*	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
70.	*	.0	.0	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
75.	*	.0	.0	.2	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1
80.	*	.0	.0	.2	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1
85.	*	.1	.1	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
90.	*	.1	.2	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
95.	*	.1	.2	.2	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.2
100.	*	.1	.2	.2	.2	.5	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
105.	*	.1	.2	.2	.3	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
110.	*	.0	.2	.2	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
115.	*	.0	.1	.2	.4	.5	.6	.6	.1	.0	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3
120.	*	.0	.0	.1	.4	.6	.6	.5	.1	.2	.0	.0	.0	.0	.3	.3	.8	.7	.3	.3
125.	*	.0	.0	.1	.3	.6	.5	.4	.3	.4	.2	.0	.0	.0	.3	.3	.8	.7	.3	.3
130.	*	.0	.0	.0	.2	.5	.4	.4	.3	.5	.4	.2	.0	.0	.3	.3	.8	.6	.4	.4
135.	*	.0	.0	.0	.1	.3	.3	.2	.4	.6	.6	.3	.1	.0	.4	.4	1.0	.6	.4	.4
140.	*	.0	.0	.0	.0	.2	.2	.1	.4	.7	.7	.5	.2	.0	.4	.5	1.0	.7	.5	.4
145.	*	.0	.0	.0	.0	.2	.1	.1	.4	.9	.9	.5	.2	.0	.4	.5	1.0	.7	.4	.4
150.	*	.0	.0	.0	.0	.0	.0	.1	.4	.9	.8	.5	.2	.0	.4	.6	1.0	.7	.4	.6
155.	*	.0	.0	.0	.0	.0	.0	.0	.3	1.0	.8	.5	.3	.2	.1	.5	.7	1.1	.6	.7
160.	*	.0	.0	.0	.0	.0	.0	.0	.4	.8	.8	.5	.4	.2	.1	.6	.8	1.0	.8	.9
165.	*	.1	.1	.2	.0	.0	.0	.0	.4	.8	.8	.5	.4	.3	.2	.6	.7	1.0	.8	.9
170.	*	.1	.2	.2	.0	.0	.0	.0	.4	.9	.8	.4	.4	.3	.2	.6	.8	1.2	.6	1.0
175.	*	.2	.2	.4	.0	.0	.0	.0	.3	.9	.8	.5	.6	.3	.7	1.0	1.3	.4	.9	.8
180.	*	.3	.4	.5	.2	.0	.0	.0	.3	.9	.8	.5	.4	.5	.5	.7	.9	1.0	.5	.9
185.	*	.6	.7	.8	.2	.0	.0	.0	.3	.9	.8	.5	.6	.7	.6	.7	.8	.8	.5	.8
190.	*	.7	.8	.9	.4	.0	.0	.0	.3	.8	.9	.7	.7	.6	.7	.2	.5	.6	.4	.8
195.	*	.8	.9	1.0	.5	.0	.0	.0	.4	.8	1.0	.8	.7	.7	.9	.4	.4	.5	.3	.7
200.	*	.8	1.0	1.0	.6	.1	.0	.0	.4	1.0	1.1	.8	.8	.7	.8	.3	.3	.3	.4	.7
205.	*	.9	1.0	1.1	.7	.3	.0	.0	.4	1.1	1.0	.8	.7	.6	.8	.2	.2	.2	.4	.7

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JOB: PurpleLine - S10 LOWLRT 2015 PM

RUN: PurpleLine S10 LOWLRT 2015 PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.9	1.0	1.1	.7	.3	.0	.0	.7	1.1	1.1	.6	.5	.7	.9	.2	.2	.2	.5	.7
215.	*	1.0	1.0	1.1	.7	.3	.1	.0	.7	1.2	1.0	.7	.5	.8	.9	.2	.2	.2	.5	.7
220.	*	1.0	1.0	1.0	.8	.3	.2	.0	.7	1.2	.9	.6	.5	.7	1.0	.2	.2	.3	.5	.7
225.	*	1.0	1.0	1.0	.8	.4	.2	.0	.8	1.2	.8	.5	.5	.7	1.0	.2	.2	.3	.5	.7
230.	*	1.0	1.0	1.0	.8	.4	.2	.0	.8	1.3	.7	.5	.5	.9	1.0	.2	.2	.3	.5	.7
235.	*	.9	.9	.9	.8	.4	.2	.1	.9	1.3	.7	.5	.5	.9	1.0	.2	.2	.3	.5	.7
240.	*	.9	.9	.9	.7	.4	.2	.1	.9	1.2	.6	.4	.5	.9	1.0	.1	.2	.3	.5	.7
245.	*	.8	.8	.8	.7	.4	.2	.1	.9	1.2	.5	.4	.5	1.0	1.0	.0	.2	.3	.5	.7
250.	*	.8	.8	.8	.7	.4	.2	.1	1.1	1.2	.4	.4	.6	1.0	1.0	.0	.2	.3	.5	.7
255.	*	.8	.8	.8	.7	.5	.2	.1	1.1	1.2	.4	.3	.7	.9	.9	.0	.2	.3	.5	.7
260.	*	.8	.8	.8	.7	.4	.2	.1	1.1	1.2	.4	.5	.7	1.0	.9	.0	.1	.3	.5	.7
265.	*	.8	.8	.8	.7	.5	.2	.1	1.2	1.0	.4	.5	.8	1.1	1.0	.0	.1	.3	.5	.8
270.	*	.8	.8	.9	.7	.5	.2	.1	1.2	1.1	.4	.6	1.0	1.1	1.0	.0	.1	.3	.5	.9
275.	*	.8	.8	.9	.7	.5	.3	.1	1.1	1.1	.4	.5	1.0	1.1	1.1	.0	.2	.3	.5	.7

280.	*	.8	.8	.9	.7	.5	.3	.1	1.0	.9	.4	.5	1.1	1.1	.9	.1	.2	.3	.5	.7	.5
285.	*	.8	.8	.9	.7	.4	.3	.1	.9	.8	.6	.5	1.0	1.1	.9	.1	.3	.3	.5	.7	.5
290.	*	.8	.8	1.0	.7	.3	.4	.2	1.0	.8	.5	.7	.9	1.1	.8	.2	.3	.2	.5	.6	.5
295.	*	.8	.8	1.0	.7	.4	.4	.3	1.0	.8	.5	.8	.9	1.0	.8	.2	.3	.3	.4	.7	.5
300.	*	.8	.8	1.0	.6	.5	.4	.3	1.0	.8	.6	.7	1.1	1.0	.9	.2	.3	.3	.4	.7	.7
305.	*	.8	.8	1.0	.5	.4	.4	.2	.9	.8	.6	.8	1.1	1.1	.8	.0	.2	.3	.4	.7	.7
310.	*	.9	.9	1.1	.6	.6	.4	.3	.7	.7	.5	.8	1.1	1.0	.7	.0	.0	.3	.4	.7	.7
315.	*	.9	.9	1.2	.7	.5	.5	.6	.7	.7	.6	.9	1.0	.9	.5	.0	.0	.2	.4	.6	.5
320.	*	.9	1.0	1.3	.7	.7	.7	.6	.7	.7	.5	.8	.9	.7	.5	.0	.0	.0	.3	.6	.5
325.	*	1.0	1.2	1.5	.8	.6	.7	.5	.4	.4	.4	.6	.8	.7	.5	.0	.0	.0	.1	.5	.5
330.	*	1.0	1.3	1.5	.8	.9	.7	.6	.3	.2	.3	.6	.8	.7	.5	.0	.0	.0	.0	.3	.2
335.	*	1.3	1.4	1.5	.6	.8	.8	.7	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.2
340.	*	1.3	1.4	1.4	.5	.9	.8	.7	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.3	1.4	1.4	.5	.9	.8	.6	.1	.2	.3	.4	.7	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.2	1.2	1.3	.5	.8	.8	.5	.0	.1	.3	.4	.7	.5	.6	.0	.0	.0	.0	.0	.0
355.	*	1.1	1.2	1.3	.5	.8	.7	.5	.0	.1	.2	.4	.6	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.1	1.1	.4	.7	.5	.5	.0	.0	.1	.3	.4	.5	.5	.1	.1	.1	.0	.0	.0
-----																					
MAX	*	1.3	1.4	1.5	.8	.9	.8	.7	1.2	1.3	1.1	.9	1.1	1.1	1.1	.7	1.0	1.3	.8	1.0	1.0
DEGR.	*	335	335	325	220	330	335	335	265	230	200	315	300	265	275	175	175	175	160	155	170

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JOB: PurpleLine - S10 LOWLRT 2015 PM

RUN: PurpleLine S10 LOWLRT 2015 PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.9	1.0	.8	.5	.4	.4	.3
5.	*	.0	.8	.9	.8	.5	.5	.4	.4
10.	*	.0	.8	.9	.8	.4	.6	.5	.4
15.	*	.0	.8	.8	.8	.6	.7	.4	.4
20.	*	.0	.8	.8	1.0	.7	.7	.4	.5
25.	*	.0	.8	.8	1.0	.6	.7	.3	.6
30.	*	.0	.8	.9	.9	.6	.4	.5	.6
35.	*	.0	.8	1.0	.9	.6	.2	.6	.7
40.	*	.0	1.0	1.1	1.1	.4	.2	.5	.8
45.	*	.0	1.0	1.1	1.0	.4	.3	.5	1.0
50.	*	.0	1.0	1.1	.8	.4	.3	.6	1.0
55.	*	.0	1.0	1.1	.7	.4	.4	.8	1.0
60.	*	.1	1.0	1.0	.5	.4	.3	.8	1.0
65.	*	.1	1.0	1.0	.5	.3	.3	.8	1.0
70.	*	.1	1.0	1.0	.3	.3	.3	.9	1.0
75.	*	.1	1.1	1.0	.3	.3	.4	.9	.9
80.	*	.1	1.1	1.0	.3	.3	.4	.9	.8
85.	*	.1	1.1	1.1	.3	.2	.4	1.0	.8
90.	*	.1	1.1	1.1	.3	.4	.5	1.0	.7
95.	*	.1	1.2	1.0	.4	.4	.7	.9	.7
100.	*	.2	1.3	.9	.3	.4	.7	.8	.8
105.	*	.2	1.3	.9	.4	.4	.7	.7	.9
110.	*	.2	1.2	.8	.5	.5	.6	.9	.7
115.	*	.2	1.0	.7	.5	.5	.9	.9	.6
120.	*	.3	.9	.8	.6	.9	.8	.8	.6
125.	*	.3	.8	.7	.6	.7	.7	.8	.6
130.	*	.3	.6	.5	.5	.7	.6	.7	.6
135.	*	.3	.5	.5	.5	.5	.6	.8	.6
140.	*	.5	.4	.6	.6	.6	.6	.8	.6
145.	*	.5	.4	.4	.4	.6	.6	.7	.6
150.	*	.6	.5	.4	.4	.6	.7	.7	.6
155.	*	.8	.3	.4	.4	.6	.7	.7	.5
160.	*	.8	.2	.3	.4	.5	.6	.5	.5
165.	*	.9	.2	.3	.4	.5	.6	.5	.6
170.	*	.8	.0	.2	.3	.3	.5	.5	.5
175.	*	.8	.0	.1	.2	.3	.4	.4	.5
180.	*	.8	.0	.0	.1	.2	.3	.4	.5
185.	*	.8	.0	.0	.0	.1	.1	.2	.2
190.	*	.7	.0	.0	.0	.0	.1	.1	.2
195.	*	.6	.0	.0	.0	.0	.0	.1	.1
200.	*	.6	.0	.0	.0	.0	.0	.0	.1
205.	*	.6	.0	.0	.0	.0	.0	.0	.0

1

JOB: PurpleLine - S10 LOWLRT 2015 PM

RUN: PurpleLine S10 LOWLRT 2015 PM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0

230.	*	.4	.0	.0	.0	.0	.0	.0	.0
235.	*	.4	.0	.0	.0	.0	.0	.0	.0
240.	*	.4	.0	.0	.0	.0	.0	.0	.0
245.	*	.4	.0	.0	.0	.0	.0	.0	.0
250.	*	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.4	.0	.0	.0	.0	.0	.0	.0
260.	*	.4	.0	.0	.0	.0	.0	.0	.0
265.	*	.4	.0	.0	.0	.0	.0	.0	.0
270.	*	.4	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.0	.0	.0	.0	.0	.0	.0
280.	*	.4	.0	.0	.0	.0	.0	.0	.0
285.	*	.5	.0	.0	.0	.0	.0	.0	.0
290.	*	.5	.0	.0	.0	.0	.0	.0	.0
295.	*	.5	.0	.0	.0	.0	.0	.0	.0
300.	*	.5	.0	.0	.0	.0	.0	.0	.0
305.	*	.6	.1	.1	.0	.0	.0	.0	.0
310.	*	.6	.3	.3	.1	.0	.0	.0	.0
315.	*	.5	.3	.4	.3	.2	.0	.0	.0
320.	*	.5	.6	.6	.4	.3	.1	.0	.0
325.	*	.5	.8	.7	.6	.3	.3	.1	.0
330.	*	.2	.9	1.0	.7	.6	.3	.3	.1
335.	*	.1	1.1	1.2	.8	.6	.3	.3	.2
340.	*	.0	1.2	1.1	.9	.7	.5	.2	.2
345.	*	.0	1.0	1.1	.8	.6	.5	.3	.2
350.	*	.0	.9	1.0	.8	.5	.5	.3	.1
355.	*	.0	.9	1.0	.8	.5	.4	.3	.3
360.	*	.0	.9	1.0	.8	.5	.4	.4	.3
-----									
MAX	*	.9	1.3	1.2	1.1	.9	.9	1.0	1.0
DEGR.	*	165	100	335	40	120	115	85	45

THE HIGHEST CONCENTRATION IS    1.50 PPM AT   325 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS    1.40 PPM AT   335 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS    1.30 PPM AT   335 DEGREES FROM REC1 .

S10	HIGHLRT	2015AM				60.0321.0.0000.000280.30480000	1	1
SE	MID	S	1341.	775.	5.0			
SE	164	S	1349.	856.	5.0			
SE	82	S	1357.	938.	5.0			
SE	CNR		1401.	1043.	5.0			
SE	82	E	1485.	981.	5.0			
SE	164	E	1546.	926.	5.0			
SE	MID	E	1608.	872.	5.0			
NE	MID	E	1582.	1083.	5.0			
NE	164	E	1521.	1138.	5.0			
NE	82	E	1466.	1200.	5.0			
NE	CNR		1422.	1281.	5.0			
NE	82	N	1402.	1367.	5.0			
NE	164	N	1402.	1449.	5.0			
NE	MID	N	1409.	1531.	5.0			
NW	MID	N	1317.	1719.	5.0			
NW	164	N	1310.	1638.	5.0			
NW	82	N	1302.	1555.	5.0			
NW	CNR		1267.	1462.	5.0			
NW	82	W	1178.	1495.	5.0			
NW	164	W	1126.	1560.	5.0			
NW	MID	W	1075.	1624.	5.0			
SW	MID	W	1062.	1408.	5.0			
SW	164	W	1113.	1342.	5.0			
SW	82	W	1160.	1272.	5.0			
SW	CNR		1206.	1204.	5.0			
SW	82	S	1226.	1123.	5.0			
SW	164	S	1237.	1038.	5.0			
SW	MID	S	1237.	955.	5.0			
SITE	10	HIGHLRT	2015AM			38	1	0
0	1	650nbAP	AG	1236.	15.	1271.	361.	1170 3.5 0 56 30.
0	1	650nbT	AG	1271.	361.	1355.	1221.	835 3.5 0 56 30.
0	2	650nbTq	AG	1343.	1096.	1304.	697.	0. 36 3
0	150	85	2.0	835	37.8	1675	1 3	
0	1	650nbL	AG	1247.	388.	1329.	1246.	265 3.5 0 32 30.
0	2	650nbLq	AG	1316.	1110.	1277.	702.	0. 12 1
0	150	127	2.0	265	37.8	1717	1 3	
0	1	650nbD	AG	1356.	1220.	1420.	2001.	1165 3.5 0 56 30.
0	1	650nbD	AG	1420.	2001.	1507.	2421.	1165 3.5 0 56 30.
0	1	650sbAP	AG	1463.	2422.	1386.	2066.	2350 3.5 0 56 30.
0	1	650sbAP	AG	1386.	2066.	1350.	1713.	2350 3.5 0 56 30.
0	1	650sbT	AG	1351.	1713.	1306.	1295.	1980 3.5 0 56 30.
0	2	650sbTq	AG	1315.	1375.	1349.	1693.	0. 36 3
0	150	78	2.0	1980	37.8	1673	1 3	
0	1	650sbL	AG	1372.	1706.	1331.	1273.	185 3.5 0 32 30.
0	2	650sbLq	AG	1338.	1348.	1370.	1691.	0. 12 1
0	150	120	2.0	185	37.8	1770	1 3	
0	1	650sbD	AG	1306.	1294.	1178.	15.	2635 3.5 0 56 30.
0	1	193wbAP	AG	2729.	161.	1679.	955.	1685 3.5 0 56 30.
0	1	193wbT	AG	1679.	954.	1336.	1269.	1260 3.5 0 56 30.
0	2	650wbT	AG	1444.	1170.	1670.	962.	0. 36 3
0	150	95	2.0	1260	37.8	1654	1 3	
0	1	193wbL	AG	1649.	949.	1334.	1233.	185 3.5 0 32 30.
0	2	650wbL	AG	1426.	1151.	1644.	954.	0. 12 1
0	150	130	2.0	185	37.8	1770	1 3	
0	1	193wbD	AG	1336.	1269.	1001.	1661.	1710 3.5 0 56 30.
0	1	193wbD	AG	1001.	1661.	429.	2424.	1710 3.5 0 56 30.
0	1	650nbR	AG	1297.	505.	1350.	1048.	70 3.5 0 32 30.
0	1	650nbR	AG	1353.	1047.	1426.	1070.	70 3.5 0 32 30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	185 3.5 0 32 30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	185 3.5 0 32 30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	240 3.5 0 32 30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	240 3.5 0 32 30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	240 3.5 0 32 30.
0	1	193ebAP	AG	321.	2423.	1023.	1497.	1520 3.5 0 56 30.
0	1							

0		193ebT	AG	1024.	1497.	1300.	1181.	960	3.5	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150		101		2.0	960	37.8	1612	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	90	3.5	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150		136		2.0	90	37.8	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	470	3.5	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	470	3.5	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	470	3.5	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	1215	3.5	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	1215	3.5	0	56	30.
1.0	04	1000	OY	5	0	72						

JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

DATE: 12/20/2007 TIME: 08:21:59.16

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1170.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	835.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1330.4	967.4	*	129.	186. AG	172.	100.0	.0	36.0	.41 6.6
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	265.	3.5	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1245.2	369.5	*	744.	185. AG	86.	100.0	.0	12.0	1.22 37.8
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1165.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1165.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2350.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2350.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1980.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1347.0	1674.0	*	301.	6. AG	158.	100.0	.0	36.0	.87 15.3
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	185.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1349.3	1468.9	*	121.	5. AG	81.	100.0	.0	12.0	.60 6.2
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2635.	3.5	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1685.	3.5	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1260.	3.5	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1604.5	1022.3	*	218.	133. AG	193.	100.0	.0	36.0	.75 11.1
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	185.	3.5	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1567.6	1023.0	*	191.	132. AG	88.	100.0	.0	12.0	.98 9.7
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1710.	3.5	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1710.	3.5	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	70.	3.5	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	70.	3.5	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	185.	3.5	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	185.	3.5	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	240.	3.5	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	240.	3.5	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	240.	3.5	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	1520.	3.5	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	960.	3.5	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	1076.5	1435.9	*	177.	319. AG	205.	100.0	.0	36.0	.66 9.0
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	90.	3.5	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1166.7	1375.1	*	76.	320. AG	92.	100.0	.0	12.0	.76 3.9
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	470.	3.5	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	470.	3.5	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	470.	3.5	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	1215.	3.5	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	1215.	3.5	.0	56.0	

JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

DATE: 12/20/2007 TIME: 08:21:59.16

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	85	2.0	835	1675	37.80	1	3
5. 0	650nbLq	150	127	2.0	265	1717	37.80	1	3
11. 0	650nbTq	150	78	2.0	1980	1673	37.80	1	3
13. 0	650sbLq	150	120	2.0	185	1770	37.80	1	3
17. 0	650wbT	150	95	2.0	1260	1654	37.80	1	3
19. 0	650wbL	150	130	2.0	185	1770	37.80	1	3
31. 0	193ebTQ	150	101	2.0	960	1612	37.80	1	3
33. 0	193ebLQ	150	136	2.0	90	1770	37.80	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*



17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

1

JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.5	.6	.4	.5	.5	.3	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0
5.	*	.3	.3	.4	.3	.5	.5	.3	.0	.0	.0	.1	.1	.2	.3	.2	.2	.4	.3	.0
10.	*	.2	.2	.3	.3	.5	.5	.3	.0	.0	.0	.1	.1	.1	.3	.3	.5	.3	.0	.0
15.	*	.3	.3	.3	.3	.5	.4	.2	.0	.0	.0	.1	.1	.1	.3	.4	.7	.4	.0	.0
20.	*	.1	.2	.2	.4	.5	.4	.2	.0	.0	.0	.0	.1	.1	.4	.6	.8	.5	.1	.0
25.	*	.1	.1	.1	.4	.5	.3	.2	.0	.0	.0	.0	.1	.0	.5	.6	.9	.6	.1	.0
30.	*	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	1.0	.6	.1	.1
35.	*	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
40.	*	.1	.1	.1	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.4	.6	.9	.6	.2	.1
45.	*	.1	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.9	.6	.2	.1
50.	*	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0
55.	*	.0	.1	.1	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.4	.6	.8	.6	.2	.0
60.	*	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.8	.6	.2	.1
65.	*	.0	.0	.1	.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.1
70.	*	.0	.0	.1	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
75.	*	.0	.0	.1	.5	.3	.1	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
80.	*	.0	.0	.1	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
85.	*	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.3	.7	.7	.6	.3	.2
90.	*	.0	.0	.0	.5	.2	.2	.2	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
95.	*	.0	.0	.0	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.4	.7	.7	.7	.3	.2
100.	*	.0	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
105.	*	.0	.0	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
110.	*	.0	.0	.1	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.3	.7	.7	.7	.2	.2
115.	*	.0	.0	.1	.3	.3	.3	.3	.0	.2	.0	.0	.0	.0	.3	.7	.7	.7	.3	.2
120.	*	.0	.0	.0	.2	.4	.3	.3	.2	.3	.1	.0	.0	.0	.3	.7	.7	.7	.3	.3
125.	*	.0	.0	.0	.2	.4	.3	.3	.2	.4	.3	.0	.0	.0	.4	.7	.7	.7	.3	.3
130.	*	.0	.0	.0	.1	.3	.2	.2	.3	.4	.4	.1	.0	.0	.4	.7	.8	.7	.3	.3
135.	*	.0	.0	.0	.1	.2	.2	.1	.4	.6	.5	.2	.0	.0	.4	.8	.8	.8	.5	.4
140.	*	.0	.0	.0	.0	.1	.1	.1	.5	.7	.6	.4	.1	.0	.5	.8	.8	.8	.4	.2
145.	*	.0	.0	.0	.0	.1	.0	.0	.6	.8	.8	.3	.1	.0	.5	.8	.9	.7	.6	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.6	.8	.8	.4	.2	.1	.6	.9	1.1	.7	.4	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.6	.9	.9	.4	.2	.1	.7	.9	1.1	.7	.4	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	1.1	1.0	.4	.2	.1	.8	1.0	1.1	.4	.4	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	1.1	1.0	.4	.2	.1	.8	.9	1.0	.4	.5	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.1	.9	.5	.2	.2	.8	1.0	1.1	.4	.5	.6
175.	*	.1	.1	.1	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.9	.9	.8	.5	.4	.5
180.	*	.1	.2	.2	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.8	.8	.7	.5	.5	.5
185.	*	.3	.3	.3	.1	.0	.0	.0	.8	.9	.8	.4	.5	.2	.3	.6	.6	.6	.2	.5
190.	*	.3	.3	.3	.3	.0	.0	.0	.9	.9	.8	.5	.6	.4	.3	.5	.5	.6	.2	.4
195.	*	.3	.4	.4	.3	.1	.0	.0	.8	.9	.9	.5	.7	.4	.6	.4	.4	.4	.3	.4
200.	*	.4	.4	.4	.3	.1	.0	.0	.8	1.0	1.0	.5	.5	.4	.6	.3	.4	.4	.2	.4
205.	*	.4	.4	.4	.4	.1	.1	.0	.9	1.0	.9	.6	.3	.4	.6	.1	.3	.3	.2	.4

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JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.4	.4	.4	.4	.2	.1	.0	.9	1.1	.9	.6	.3	.5	.7	.1	.1	.2	.2	.4
215.	*	.4	.4	.4	.4	.2	.1	.1	.9	1.1	.9	.4	.3	.7	.6	.1	.1	.2	.2	.4
220.	*	.4	.4	.4	.5	.2	.1	.1	1.0	1.2	.8	.2	.3	.7	.6	.1	.2	.2	.3	.4
225.	*	.4	.4	.4	.5	.2	.1	.1	1.0	1.2	.7	.3	.3	.6	.7	.0	.2	.2	.3	.4
230.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.2	.6	.3	.4	.6	.7	.0	.2	.2	.3	.4
235.	*	.4	.4	.4	.6	.2	.1	.1	.9	1.1	.5	.3	.4	.7	.7	.0	.1	.2	.3	.3
240.	*	.4	.4	.4	.6	.2	.1	.1	.9	1.0	.4	.3	.4	.7	.6	.0	.1	.2	.3	.3
245.	*	.4	.4	.4	.6	.2	.1	.1	1.0	1.0	.3	.3	.3	.7	.5	.0	.0	.2	.3	.3
250.	*	.4	.4	.4	.6	.2	.1	.1	1.1	1.1	.2	.3	.4	.7	.6	.0	.1	.3	.3	.3
255.	*	.4	.4	.4	.6	.2	.1	.1	1.1	1.1	.2	.3	.5	.7	.6	.0	.0	.1	.2	.3
260.	*	.4	.4	.4	.6	.3	.1	.1	1.1	1.1	.2	.3	.5	.7	.5	.0	.0	.1	.2	.3
265.	*	.4	.4	.4	.6	.3	.1	.1	1.2	1.1	.2	.3	.6	.7	.5	.0	.0	.1	.2	.3
270.	*	.4	.4	.4	.6	.3	.1	.1	1.2	1.1	.2	.4	.6	.7	.5	.0	.0	.1	.2	.3
275.	*	.4	.4	.4	.6	.3	.1	.1	1.3	1.0	.2	.4	.6	.6	.4	.0	.0	.1	.1	.2
280.	*	.4	.4	.4	.6	.3	.2	.1	1.2	1.0	.2	.5	.6	.6	.4	.0	.0	.1	.1	.3

285.	*	.4	.4	.4	.6	.2	.2	.1	1.1	.8	.3	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
290.	*	.4	.4	.4	.6	.2	.2	.2	1.0	.8	.3	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
295.	*	.4	.4	.5	.6	.2	.2	.2	1.0	.8	.4	.4	.6	.4	.4	.0	.1	.0	.2	.4	.3
300.	*	.4	.4	.5	.5	.3	.3	.3	.9	.8	.5	.4	.6	.4	.4	.0	.1	.1	.2	.4	.4
305.	*	.4	.4	.5	.4	.3	.3	.3	.8	.7	.4	.5	.6	.4	.4	.0	.0	.1	.2	.5	.4
310.	*	.4	.4	.6	.6	.3	.3	.3	.5	.6	.5	.4	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.4	.4	.6	.6	.5	.4	.2	.4	.3	.5	.4	.5	.5	.4	.0	.0	.0	.2	.4	.4
320.	*	.4	.4	.7	.5	.4	.3	.3	.4	.5	.4	.5	.5	.6	.5	.0	.0	.0	.1	.3	.3
325.	*	.4	.4	.7	.6	.3	.3	.3	.3	.3	.4	.5	.5	.6	.5	.0	.0	.0	.0	.3	.2
330.	*	.4	.5	.9	.6	.2	.4	.5	.3	.3	.3	.5	.6	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.4	.5	.9	.4	.3	.5	.6	.1	.2	.3	.5	.6	.5	.6	.0	.0	.0	.0	.1	.1
340.	*	.4	.5	.9	.5	.6	.6	.6	.1	.1	.3	.4	.5	.5	.5	.0	.0	.0	.0	.1	.0
345.	*	.5	.5	.7	.4	.6	.6	.5	.0	.1	.3	.4	.5	.6	.5	.1	.0	.0	.0	.0	.0
350.	*	.5	.5	.8	.4	.7	.6	.5	.0	.0	.2	.3	.5	.5	.5	.1	.0	.1	.0	.0	.0
355.	*	.4	.5	.7	.5	.6	.6	.4	.0	.0	.0	.3	.4	.5	.3	.1	.1	.3	.0	.0	.0
360.	*	.4	.5	.6	.4	.5	.5	.3	.0	.0	.0	.2	.3	.4	.3	.2	.2	.3	.0	.0	.0
-----																					
MAX	*	.5	.5	.9	.6	.7	.6	.6	1.3	1.2	1.0	.6	.7	.7	.7	.9	1.0	1.1	.8	.6	.6
DEGR.	*	345	0	330	235	350	340	335	275	220	160	205	195	215	210	175	160	150	135	145	170

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JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.8	.8	.4	.5	.4	.2
5.	*	.0	.4	.8	.9	.5	.5	.4	.3
10.	*	.0	.5	.8	.9	.6	.6	.5	.4
15.	*	.0	.5	.8	.9	.5	.6	.6	.4
20.	*	.0	.5	.7	.9	.5	.7	.7	.4
25.	*	.0	.6	.8	1.0	.4	.6	.4	.6
30.	*	.0	.6	.9	1.0	.5	.6	.4	.6
35.	*	.0	.7	.9	.9	.5	.4	.4	.6
40.	*	.0	.7	1.0	.9	.6	.3	.3	.6
45.	*	.1	.9	1.0	.8	.5	.3	.3	.7
50.	*	.1	.9	1.0	.8	.5	.3	.5	.7
55.	*	.1	.9	1.0	.7	.2	.3	.6	.7
60.	*	.0	1.1	1.1	.6	.2	.3	.6	.7
65.	*	.0	1.1	1.1	.5	.2	.4	.5	.7
70.	*	.0	1.1	1.1	.4	.2	.4	.6	.7
75.	*	.0	1.1	1.1	.4	.3	.5	.6	.7
80.	*	.1	1.1	1.2	.4	.3	.5	.6	.6
85.	*	.1	1.1	1.1	.4	.4	.5	.7	.5
90.	*	.1	1.2	1.1	.3	.5	.5	.7	.5
95.	*	.2	1.2	1.0	.3	.5	.6	.7	.5
100.	*	.2	1.0	.9	.3	.6	.6	.5	.4
105.	*	.2	1.0	.9	.5	.6	.7	.5	.4
110.	*	.2	1.0	.9	.5	.6	.7	.5	.4
115.	*	.2	1.1	.8	.5	.4	.6	.5	.4
120.	*	.2	1.1	.7	.5	.5	.7	.5	.4
125.	*	.3	1.1	.7	.5	.6	.6	.4	.4
130.	*	.2	.9	.6	.5	.5	.6	.5	.4
135.	*	.3	.6	.4	.4	.5	.6	.5	.4
140.	*	.2	.5	.4	.3	.5	.5	.5	.5
145.	*	.2	.4	.5	.2	.5	.5	.4	.5
150.	*	.5	.3	.1	.3	.5	.5	.5	.5
155.	*	.5	.2	.1	.3	.5	.5	.5	.6
160.	*	.5	.1	.2	.2	.5	.4	.5	.6
165.	*	.5	.1	.1	.2	.4	.4	.4	.6
170.	*	.4	.1	.1	.2	.4	.3	.5	.5
175.	*	.4	.1	.1	.1	.3	.3	.4	.5
180.	*	.3	.0	.1	.1	.2	.3	.4	.5
185.	*	.3	.0	.0	.1	.1	.2	.3	.4
190.	*	.3	.0	.0	.0	.1	.1	.2	.3
195.	*	.2	.0	.0	.0	.0	.1	.1	.2
200.	*	.2	.0	.0	.0	.0	.0	.1	.1
205.	*	.2	.0	.0	.0	.0	.0	.0	.1

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JOB: S10 HIGHLRT 2015AM

RUN: SITE 10 HIGHLRT 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0

235.	*	.3	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.1	.1	.0	.0
315.	*	.4	.2	.3	.1	.1	.0	.0
320.	*	.3	.3	.3	.3	.2	.1	.0
325.	*	.2	.4	.4	.4	.5	.1	.0
330.	*	.1	.4	.6	.6	.5	.1	.0
335.	*	.1	.4	.7	.7	.5	.1	.0
340.	*	.0	.4	.8	.7	.6	.2	.1
345.	*	.0	.4	.7	.8	.6	.3	.1
350.	*	.0	.5	.7	.8	.5	.4	.1
355.	*	.0	.4	.7	.8	.5	.4	.3
360.	*	.0	.4	.8	.8	.4	.5	.4

MAX	*	.5	1.2	1.2	1.0	.6	.7	.7
DEGR.	*	150	90	80	25	10	20	45

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 275 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 220 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 90 DEGREES FROM REC22 .

SITE 10 HIGHBRT 2015PM										60.0321.0.0000.000280.30480000										1	1
SE MID S				1341.		775.	5.0														
SE 164 S				1349.		856.	5.0														
SE 82 S				1357.		938.	5.0														
SE CNR				1401.		1043.	5.0														
SE 82 E				1485.		981.	5.0														
SE 164 E				1546.		926.	5.0														
SE MID E				1608.		872.	5.0														
NE MID E				1582.		1083.	5.0														
NE 164 E				1521.		1138.	5.0														
NE 82 E				1466.		1200.	5.0														
NE CNR				1422.		1281.	5.0														
NE 82 N				1402.		1367.	5.0														
NE 164 N				1402.		1449.	5.0														
NE MID N				1409.		1531.	5.0														
NW MID N				1317.		1719.	5.0														
NW 164 N				1310.		1638.	5.0														
NW 82 N				1302.		1555.	5.0														
NW CNR				1267.		1462.	5.0														
NW 82 W				1178.		1495.	5.0														
NW 164 W				1126.		1560.	5.0														
NW MIDW				1075.		1624.	5.0														
SW MID W				1062.		1408.	5.0														
SW 164 W				1113.		1342.	5.0														
SW 82 W				1160.		1272.	5.0														
SW CNR				1206.		1204.	5.0														
SW 82 S				1226.		1123.	5.0														
SW 164 S				1237.		1038.	5.0														
SW MID S				1237.		955.	5.0														
SITE 10 HIGHBRT 2015PM										38	1	0									
0	1		650nbAP	AG	1236.	15.	1271.	361.	2530	3.5	0	56	30.								
0	1		650nbT	AG	1271.	361.	1355.	1221.	1865	3.5	0	56	30.								
0	2		650nbTq	AG	1343.	1096.	1304.	697.	0.	36	3										
		150		90	2.0	1865	37.8	1671	1	3											
0	1		650nbL	AG	1247.	388.	1329.	1246.	470	3.5	0	32	30.								
0	2		650nbLq	AG	1316.	1110.	1277.	702.	0.	12	1										
		150		119	2.0	470	37.8	1717	1	3											
0	1		650nbD	AG	1356.	1220.	1420.	2001.	2200	3.5	0	56	30.								
0	1		650nbD	AG	1420.	2001.	1507.	2421.	2200	3.5	0	56	30.								
0	1		650sbAP	AG	1463.	2422.	1386.	2066.	1515	3.5	0	56	30.								
0	1																				

0		193ebT	AG	1024.	1497.	1300.	1181.	1510	3.5	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150		95		2.0	1510	37.8	1645	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	120	3.5	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150		134		2.0	120	37.8	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	370	3.5	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	370	3.5	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	370	3.5	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	2020	3.5	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	2020	3.5	0	56	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:37:30.36

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2530.	3.5	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	1865.	3.5	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1301.9	675.6	*	422.	186. AG	183.	100.0	.0	36.0	1.00 21.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	470.	3.5	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1123.8	-901.0	*	2020.	185. AG	80.	100.0	.0	12.0	1.52 102.6
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2200.	3.5	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2200.	3.5	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1515.	3.5	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1515.	3.5	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1120.	3.5	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1335.2	1563.6	*	190.	6. AG	189.	100.0	.0	36.0	.63 9.6
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	315.	3.5	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1406.5	2082.6	*	738.	5. AG	83.	100.0	.0	12.0	1.16 37.5
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1725.	3.5	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2010.	3.5	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1560.	3.5	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1635.5	993.8	*	260.	133. AG	180.	100.0	.0	36.0	.82 13.2
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	235.	3.5	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1774.2	836.4	*	469.	132. AG	87.	100.0	.0	12.0	1.11 23.8
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2110.	3.5	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2110.	3.5	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	195.	3.5	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	195.	3.5	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	80.	3.5	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	80.	3.5	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	215.	3.5	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	215.	3.5	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	215.	3.5	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	2000.	3.5	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	1510.	3.5	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	997.0	1526.5	*	297.	319. AG	193.	100.0	.0	36.0	.90 15.1
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	120.	3.5	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1146.4	1399.0	*	108.	320. AG	91.	100.0	.0	12.0	.85 5.5
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	370.	3.5	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	370.	3.5	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	370.	3.5	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	2020.	3.5	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	2020.	3.5	.0	56.0	

JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

DATE: 12/20/2007 TIME: 08:37:30.36

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	90	2.0	1865	1671	37.80	1	3
5. 0	650nbLq	150	119	2.0	470	1717	37.80	1	3
11. 0	650sbTq	150	93	2.0	1120	1678	37.80	1	3
13. 0	650sbLq	150	123	2.0	315	1770	37.80	1	3
17. 0	650wbT	150	89	2.0	1560	1664	37.80	1	3
19. 0	650wbL	150	128	2.0	235	1770	37.80	1	3
31. 0	193ebTQ	150	95	2.0	1510	1645	37.80	1	3
33. 0	193ebLQ	150	134	2.0	120	1770	37.80	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*

17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.1	1.1	.9	.6	.7	.6	.6	.0	.0	.1	.2	.4	.5	.1	.1	.1	.0	.0	.0
5.	*	.8	.8	.7	.4	.6	.6	.6	.0	.0	.1	.4	.4	.4	.2	.3	.4	.0	.0	.0
10.	*	.5	.7	.6	.5	.6	.6	.5	.0	.0	.0	.1	.2	.4	.4	.5	.4	.4	.2	.0
15.	*	.4	.5	.4	.4	.6	.6	.5	.0	.0	.0	.1	.2	.2	.5	.4	.4	.4	.0	.0
20.	*	.4	.4	.4	.5	.6	.6	.5	.0	.0	.0	.1	.1	.1	.5	.4	.4	.4	.0	.0
25.	*	.3	.4	.3	.5	.6	.6	.4	.0	.0	.0	.1	.1	.1	.5	.4	.3	.4	.0	.0
30.	*	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.1	.1	.4	.4	.3	.5	.2	.0
35.	*	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.4	.5	.4	.5	.2	.0
40.	*	.2	.2	.2	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.0
45.	*	.2	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.4	.4	.4	.6	.2	.1
50.	*	.1	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.2	.1
55.	*	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.7	.2	.1
60.	*	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4	.6	.3	.1
65.	*	.0	.2	.3	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
70.	*	.0	.1	.3	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.5	.7	.3	.1
75.	*	.0	.1	.3	.6	.6	.3	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.3	.1
80.	*	.0	.1	.3	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.6	.7	.4	.1
85.	*	.0	.0	.2	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
90.	*	.1	.1	.1	.6	.6	.4	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
95.	*	.1	.1	.2	.6	.7	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.7	.4	.2
100.	*	.1	.2	.2	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
105.	*	.1	.2	.3	.7	.5	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
110.	*	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.8	.7	.4	.2
115.	*	.0	.1	.2	.6	.6	.4	.5	.2	.2	.0	.0	.0	.0	.3	.3	.8	.7	.4	.3
120.	*	.0	.1	.1	.5	.6	.4	.4	.3	.3	.1	.0	.0	.0	.3	.3	.8	.7	.3	.3
125.	*	.0	.0	.1	.4	.5	.4	.4	.3	.4	.3	.1	.0	.0	.3	.3	.8	.7	.3	.3
130.	*	.0	.0	.0	.4	.4	.4	.3	.4	.8	.5	.2	.0	.0	.3	.3	.8	.6	.5	.4
135.	*	.0	.0	.0	.2	.3	.2	.3	.7	.9	.7	.4	.2	.0	.0	.3	.3	.9	.7	.5
140.	*	.0	.0	.0	.1	.2	.2	.2	.8	1.0	.9	.6	.2	.0	.0	.3	.4	.9	.8	.6
145.	*	.0	.0	.0	.0	.1	.1	.1	.9	1.1	1.1	.4	.1	.1	.0	.4	.5	1.0	.8	.4
150.	*	.0	.0	.0	.0	.1	.0	.0	1.0	1.1	.9	.5	.3	.1	.0	.4	.6	1.0	.8	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.1	.1	.5	.8	1.1	.8	.6
160.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.9	.5	.4	.3	.2	.6	.8	1.1	.8	.7
165.	*	.1	.1	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.3	.2	.5	.7	1.0	.8	.7
170.	*	.1	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.4	.2	.6	.8	1.2	.7	1.0
175.	*	.2	.2	.3	.0	.0	.0	.0	1.0	1.0	.9	.5	.6	.7	.4	.7	.9	1.3	.5	.9
180.	*	.4	.5	.6	.2	.0	.0	.0	1.0	1.0	.9	.5	.6	.7	.4	.7	1.0	1.1	.5	.9
185.	*	.6	.7	.9	.3	.0	.0	.0	.9	1.0	.9	.6	.8	.7	.7	.7	.7	.9	.5	.7
190.	*	.8	.9	1.0	.5	.0	.0	.0	.9	.9	1.1	.7	.8	.7	.7	.2	.5	.6	.3	.7
195.	*	.9	1.0	1.1	.6	.1	.0	.0	.9	1.0	1.2	.8	.8	.7	1.0	.3	.3	.4	.2	.6
200.	*	.9	1.1	1.1	.7	.2	.0	.0	.9	1.2	1.2	.8	.7	.6	.8	.3	.3	.3	.3	.5
205.	*	1.0	1.1	1.2	.8	.4	.1	.0	1.0	1.3	1.2	.8	.7	.5	.8	.2	.2	.2	.3	.5

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	1.0	1.1	1.2	.8	.4	.1	.0	1.1	1.3	1.2	.6	.5	.6	.8	.2	.2	.2	.4	.5
215.	*	1.1	1.1	1.2	.8	.4	.2	.0	1.1	1.4	1.1	.6	.5	.8	.8	.2	.2	.2	.4	.5
220.	*	1.1	1.1	1.1	.8	.5	.2	.0	1.1	1.4	1.0	.5	.5	.7	.9	.2	.2	.2	.5	.5
225.	*	1.1	1.1	1.1	.8	.5	.2	.0	1.1	1.4	.9	.5	.5	.7	1.0	.2	.2	.2	.5	.5
230.	*	1.0	1.0	1.0	.8	.5	.2	.0	1.1	1.4	.7	.4	.5	.8	1.0	.2	.2	.2	.5	.4
235.	*	1.0	1.0	1.0	.7	.5	.2	.1	1.1	1.3	.7	.3	.3	.9	1.0	.2	.2	.2	.4	.5
240.	*	1.0	1.0	1.0	.6	.5	.2	.1	1.1	1.2	.5	.3	.3	.9	1.0	.0	.2	.2	.4	.5
245.	*	.9	.9	.9	.6	.5	.2	.1	1.1	1.2	.4	.3	.4	.9	.9	.0	.2	.2	.4	.5
250.	*	.9	.9	.9	.6	.5	.2	.1	1.1	1.2	.5	.4	.5	.9	.9	.0	.2	.2	.4	.5
255.	*	.9	.9	.9	.6	.5	.2	.1	1.1	1.2	.5	.5	.6	.9	.9	.0	.1	.2	.4	.5
260.	*	.9	.9	.9	.6	.4	.2	.1	1.2	1.2	.5	.6	.6	.9	.9	.0	.1	.2	.4	.5
265.	*	.9	.9	.9	.6	.4	.2	.1	1.2	1.1	.4	.6	.7	.9	.9	.0	.1	.2	.3	.6
270.	*	.9	.9	.9	.6	.4	.2	.1	1.2	1.2	.4	.6	.7	1.0	1.0	.0	.0	.2	.3	.5
275.	*	.9	.9	.9	.6	.4	.2	.1	1.2	1.2	.5	.5	.7	1.0	.9	.0	.1	.2	.3	.6
280.	*	.9	.9	.9	.6	.4	.2	.1	1.0	1.0	.5	.5	.8	1.0	.8	.1	.1	.2	.3	.5

285.	*	.9	.9	.9	.6	.4	.2	.1	1.0	.9	.6	.5	.8	.9	.6	.1	.2	.2	.4	.5	.4
290.	*	.9	.9	.9	.6	.5	.3	.2	1.0	.8	.6	.5	.8	.8	.7	.1	.2	.1	.4	.5	.4
295.	*	.9	.9	.9	.6	.4	.3	.2	1.0	.8	.6	.5	.8	.9	.6	.1	.2	.2	.2	.4	.4
300.	*	.9	.9	.9	.6	.4	.3	.2	.9	.8	.5	.6	1.0	.8	.6	.1	.1	.2	.2	.4	.5
305.	*	.9	.9	.9	.5	.5	.4	.3	.8	.8	.4	.7	.9	.9	.6	.0	.1	.2	.3	.5	.5
310.	*	1.0	1.0	.9	.7	.6	.5	.3	.7	.7	.4	.7	.9	.9	.6	.0	.0	.1	.3	.5	.5
315.	*	1.0	1.0	1.0	.7	.7	.6	.3	.6	.7	.5	.6	.8	.8	.5	.0	.0	.1	.3	.5	.4
320.	*	1.0	1.0	1.1	.7	.5	.4	.4	.6	.5	.3	.7	.8	.7	.5	.0	.0	.0	.1	.5	.4
325.	*	1.0	1.0	1.1	.8	.6	.4	.6	.4	.4	.3	.6	.8	.7	.5	.0	.0	.0	.1	.3	.3
330.	*	1.1	1.2	1.2	.8	.4	.6	.6	.4	.3	.3	.6	.7	.7	.5	.0	.0	.0	.0	.3	.2
335.	*	1.3	1.3	1.2	.6	.7	.7	.7	.1	.3	.3	.6	.7	.6	.5	.0	.0	.0	.0	.1	.2
340.	*	1.3	1.3	1.3	.6	.8	.8	.8	.1	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.2	1.3	1.2	.6	.8	.8	.7	.1	.2	.3	.4	.6	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.2	1.1	1.3	.7	.7	.8	.7	.0	.1	.3	.4	.6	.5	.6	.0	.0	.0	.0	.0	.0
355.	*	1.1	1.2	1.2	.7	.8	.7	.7	.0	.1	.2	.4	.5	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.1	.9	.6	.7	.6	.6	.0	.0	.1	.2	.4	.5	.5	.1	.1	.1	.0	.0	.0
-----																					
MAX	*	1.3	1.3	1.3	.8	.8	.8	.8	1.2	1.4	1.2	.8	1.0	1.0	1.0	.7	1.0	1.3	.8	1.0	.8
DEGR.	*	335	335	340	205	340	340	340	260	215	195	195	300	270	195	175	180	175	140	170	170

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION											
ANGLE	* (PPM)											
(DEGR)	* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28											
0.	*	.0	1.0	.9	1.0	.5	.4	.4	.2			
5.	*	.0	1.0	.9	1.0	.4	.4	.5	.3			
10.	*	.0	.9	.8	.8	.4	.6	.6	.4			
15.	*	.0	.9	.8	.7	.5	.7	.4	.3			
20.	*	.0	.9	.8	.9	.6	.7	.4	.4			
25.	*	.0	.9	.7	1.0	.6	.7	.3	.6			
30.	*	.0	.8	.9	1.0	.6	.5	.5	.6			
35.	*	.0	.8	1.0	.9	.6	.4	.5	.6			
40.	*	.0	.8	1.2	.9	.4	.3	.4	.7			
45.	*	.0	1.0	1.2	.8	.4	.3	.4	.8			
50.	*	.0	1.0	1.2	.8	.4	.3	.6	.8			
55.	*	.0	1.0	1.1	.5	.4	.3	.7	.8			
60.	*	.0	1.0	1.1	.5	.4	.3	.7	.9			
65.	*	.1	1.0	1.0	.5	.3	.4	.7	.9			
70.	*	.1	1.0	1.0	.3	.3	.4	.8	.9			
75.	*	.1	1.1	1.1	.3	.4	.5	.8	.9			
80.	*	.1	1.1	1.1	.3	.4	.5	.8	.8			
85.	*	.1	1.1	1.1	.3	.3	.5	.9	.9			
90.	*	.1	1.2	1.0	.4	.4	.5	.9	.8			
95.	*	.1	1.3	1.0	.3	.6	.7	.9	.8			
100.	*	.2	1.4	1.1	.4	.6	.7	.8	.7			
105.	*	.2	1.2	1.0	.5	.6	.7	.7	.8			
110.	*	.2	1.2	.9	.6	.7	.7	.8	.8			
115.	*	.2	1.2	.9	.6	.8	.8	.8	.7			
120.	*	.3	1.1	.9	.7	.9	.9	.7	.8			
125.	*	.2	1.0	.9	.6	.6	.8	.7	.7			
130.	*	.2	.9	.8	.6	.5	.6	.6	.7			
135.	*	.3	.7	.6	.5	.5	.6	.7	.7			
140.	*	.4	.6	.7	.4	.7	.6	.7	.7			
145.	*	.3	.5	.4	.3	.6	.6	.7	.7			
150.	*	.4	.4	.4	.4	.6	.6	.7	.7			
155.	*	.6	.4	.3	.4	.6	.7	.7	.6			
160.	*	.6	.2	.4	.4	.6	.7	.6	.6			
165.	*	.7	.2	.3	.4	.6	.6	.6	.7			
170.	*	.6	.0	.3	.4	.4	.6	.6	.6			
175.	*	.6	.0	.1	.3	.4	.5	.5	.6			
180.	*	.6	.0	.0	.2	.3	.4	.5	.6			
185.	*	.6	.0	.0	.0	.2	.2	.3	.3			
190.	*	.5	.0	.0	.0	.0	.2	.2	.3			
195.	*	.4	.0	.0	.0	.0	.0	.1	.1			
200.	*	.4	.0	.0	.0	.0	.0	.0	.1			
205.	*	.5	.0	.0	.0	.0	.0	.0	.0			

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JOB: S10 HIGHBRT 2015PM

RUN: SITE 10 HIGHBRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	* (PPM)							
(DEGR)	* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28							
210.	*	.4	.0	.0	.0	.0	.0	.0
215.	*	.4	.0	.0	.0	.0	.0	.0
220.	*	.4	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0
230.	*	.4	.0	.0	.0	.0	.0	.0



235.	*	.3	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0
300.	*	.4	.0	.0	.0	.0	.0	.0
305.	*	.5	.2	.1	.1	.0	.0	.0
310.	*	.5	.3	.3	.1	.1	.0	.0
315.	*	.4	.4	.4	.4	.2	.1	.0
320.	*	.4	.6	.5	.4	.4	.1	.0
325.	*	.3	.8	.7	.6	.4	.2	.1
330.	*	.2	1.0	.9	.7	.7	.4	.1
335.	*	.1	1.2	.9	.8	.7	.4	.1
340.	*	.0	1.1	1.1	1.0	.6	.4	.2
345.	*	.0	1.2	.9	.9	.7	.4	.3
350.	*	.0	1.2	.9	.9	.6	.3	.3
355.	*	.0	1.0	.9	1.0	.6	.3	.3
360.	*	.0	1.0	.9	1.0	.5	.4	.4
-----								
MAX	*	.7	1.4	1.2	1.0	.9	.9	.9
DEGR.	*	165	100	40	0	120	120	85

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 215 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 100 DEGREES FROM REC22.  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC1 .

Site 10

MD 193 and MD 650

2030

PurpleLine	-	S10	No	Bld	2030	AM	60.0321	0.0000	0.000280	30480000	1	1
SE MID S					1341.	775.	5.0					
SE 164 S					1349.	856.	5.0					
SE 82 S					1357.	938.	5.0					
SE CNR					1401.	1043.	5.0					
SE 82 E					1501.	999.	5.0					
SE 164 E					1562.	944.	5.0					
SE MID E					1623.	890.	5.0					
NE MID E					1582.	1083.	5.0					
NE 164 E					1521.	1138.	5.0					
NE 82 E					1466.	1200.	5.0					
NE CNR					1422.	1281.	5.0					
NE 82 N					1402.	1367.	5.0					
NE 164 N					1402.	1449.	5.0					
NE MID N					1409.	1531.	5.0					
NW MID N					1317.	1719.	5.0					
NW 164 N					1310.	1638.	5.0					
NW 82 N					1302.	1555.	5.0					
NW CNR					1267.	1462.	5.0					
NW 82 W					1178.	1495.	5.0					
NW 164 W					1126.	1560.	5.0					
NW MIDW					1075.	1624.	5.0					
SW MID W					1077.	1426.	5.0					
SW 164 W					1130.	1360.	5.0					
SW 82 W					1172.	1284.	5.0					
SW CNR					1206.	1204.	5.0					
SW 82 S					1226.	1123.	5.0					
SW 164 S					1237.	1038.	5.0					
SW MID S					1237.	955.	5.0					
PurpleLine	S10	No	Bld	2030	AM	39	1	0				
0		650nbAP	AG	1236.	15.	1271.	361.	1330	3.0	0	56	30.
0		650nbT	AG	1271.	361.	1355.	1221.	950	3.0	0	56	30.
0		650nbTq	AG	1343.	1096.	1304.	697.	0.	36	3		
0	150		84	2.0	950	32.1	1675	1	3			
0		650nbL	AG	1247.	388.	1329.	1246.	300	3.0	0	44	30.
0		650nbLq	AG	1316.	1110.	1277.	702.	0.	24	2		
0	150		126	2.0	300	32.1	1717	1	3			
0		650nbD	AG	1356.	1220.	1420.	2001.	1320	3.0	0	56	30.
0		650nbD	AG	1420.	2001.	1507.	2421.	1320	3.0	0	56	30.
0		650sbAP	AG	1463.	2422.	1386.	2066.	2670	3.0	0	56	30.
0		650sbAP	AG	1386.	2066.	1350.	1713.	2670	3.0	0	56	30.
0		650sbT	AG	1351.	1713.	1306.	1295.	2250	3.0	0	56	30.
0		650sbTq	AG	1315.	1375.	1349.	1693.	0.	36	3		
0	150		78	2.0	2250	32.1	1673	1	3			
0		650sbL	AG	1372.	1706.	1331.	1273.	210	3.0	0	32	30.
0		650sbLq	AG	1338.	1348.	1370.	1691.	0.	12	1		
0	150		120	2.0	210	32.1	1770	1	3			
0		650sbD	AG	1306.	1294.	1178.	15.	2995	3.0	0	56	30.
0		193ebAP	AG	355.	2423.	1060.						

0		650nbR	AG	1297.	505.	1350.	1048.	80	3.0	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	80	3.0	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	210	3.0	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	210	3.0	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	535	3.0	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	535	3.0	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	535	3.0	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	535	3.0	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	270	3.0	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	270	3.0	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	270	3.0	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 No Bld 2030 AM  
DATE: 12/20/2007 TIME: 07:56:25.14

RUN: PurpleLine S10 No Bld 2030 AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1330.	3.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	950.	3.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1328.9	951.5	*	145.	186. AG	145.	100.0	.0	36.0	.46 7.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	300.	3.0	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1306.1	1005.9	*	105.	185. AG	145.	100.0	.0	24.0	.66 5.3
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1320.	3.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1320.	3.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2670.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2670.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	2250.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1361.5	1810.3	*	438.	6. AG	134.	100.0	.0	36.0	.99 22.2
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	210.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1350.9	1485.8	*	138.	5. AG	69.	100.0	.0	12.0	.69 7.0
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2995.	3.0	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1725.	3.0	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1090.	3.0	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1084.2	1471.3	*	200.	318. AG	174.	100.0	.0	36.0	.75 10.2
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	100.	3.0	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1173.6	1407.5	*	93.	319. AG	78.	100.0	.0	12.0	.85 4.7
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1380.	3.0	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1380.	3.0	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1910.	3.0	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1430.	3.0	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1637.6	991.8	*	263.	133. AG	164.	100.0	.0	36.0	.85 13.4
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	210.	3.0	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1752.6	855.8	*	440.	132. AG	75.	100.0	.0	12.0	1.12 22.4
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1940.	3.0	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1940.	3.0	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	80.	3.0	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	80.	3.0	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	210.	3.0	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	210.	3.0	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	535.	3.0	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	535.	3.0	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	535.	3.0	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	535.	3.0	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	270.	3.0	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	270.	3.0	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	270.	3.0	.0	32.0	

JOB: PurpleLine - S10 No Bld 2030 AM  
DATE: 12/20/2007 TIME: 07:56:25.14

RUN: PurpleLine S10 No Bld 2030 AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	84	2.0	950	1675	32.10	1	3
5. 0	650nbLq	150	126	2.0	300	1717	32.10	1	3
11. 0	650sbTq	150	78	2.0	2250	1673	32.10	1	3
13. 0	650sbLq	150	120	2.0	210	1770	32.10	1	3
17. 0	650ebTq	150	101	2.0	1090	1611	32.10	1	3
19. 0	650ebLq	150	136	2.0	100	1770	32.10	1	3
24. 0	650wbT	150	95	2.0	1430	1655	32.10	1	3
26. 0	650wbL	150	130	2.0	210	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 No Bld 2030 AM

RUN: PurpleLine S10 No Bld 2030 AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.6	.7	.4	.5	.6	.6	.0	.0	.2	.3	.4	.4	.2	.3	.4	.1	.0	.0
5.	*	.3	.4	.4	.3	.5	.5	.4	.0	.0	.1	.2	.3	.4	.3	.4	.5	.3	.0	.0
10.	*	.2	.2	.3	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.4	.5	.6	.4	.0	.0
15.	*	.2	.2	.2	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.5	.6	.8	.4	.0	.0
20.	*	.1	.2	.2	.3	.5	.5	.4	.0	.0	.0	.0	.1	.1	.6	.8	.8	.5	.1	.0
25.	*	.1	.1	.1	.4	.5	.5	.3	.0	.0	.0	.0	.1	.0	.7	.9	.9	.5	.2	.0
30.	*	.1	.1	.1	.4	.5	.5	.3	.0	.0	.0	.0	.0	.0	.7	.8	1.0	.6	.2	.1
35.	*	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.7	.8	.9	.6	.2	.1
40.	*	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.8	.8	.7	.6	.2	.2
45.	*	.1	.1	.1	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.8	.8	.7	.6	.2	.2
50.	*	.1	.1	.1	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.8	.7	.7	.6	.2	.1
55.	*	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
60.	*	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
65.	*	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
70.	*	.0	.0	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
75.	*	.0	.0	.1	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.5	.2	.2
80.	*	.0	.0	.1	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.5	.2	.2
85.	*	.0	.0	.0	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.6	.2	.2
90.	*	.0	.0	.0	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
95.	*	.0	.0	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
100.	*	.0	.0	.1	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
105.	*	.0	.0	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
110.	*	.0	.0	.2	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
115.	*	.0	.0	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.7	.7	.7	.6	.3	.2
120.	*	.0	.0	.0	.3	.4	.4	.3	.3	.3	.1	.0	.0	.0	.7	.7	.7	.7	.3	.3
125.	*	.0	.0	.0	.2	.4	.3	.3	.3	.4	.3	.0	.0	.0	.7	.7	.7	.7	.3	.3
130.	*	.0	.0	.0	.1	.3	.3	.3	.4	.4	.1	.0	.0	.0	.7	.7	.7	.6	.3	.3
135.	*	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.2	.0	.0	.7	.7	.7	.7	.5	.4
140.	*	.0	.0	.0	.0	.2	.1	.1	.7	.9	.7	.4	.1	.0	.7	.7	.7	.7	.4	.2
145.	*	.0	.0	.0	.0	.0	.0	.1	.9	1.0	.7	.4	.1	.1	.0	.7	.7	.6	.5	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.8	.4	.1	.1	.0	.7	.8	1.0	.6	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.4	.3	.1	.1	.7	.8	1.0	.5	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.5	.2	.1	.1	.8	.9	1.0	.4	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.5	.2	.1	.1	.8	.8	.9	.4	.7
170.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.8	.9	1.0	.3	.8
175.	*	.1	.1	.1	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.9	.9	.7	.4	.7
180.	*	.1	.2	.2	.0	.0	.0	.0	.8	.9	.7	.3	.3	.2	.2	.6	.7	.6	.4	.7
185.	*	.2	.2	.2	.1	.0	.0	.0	.8	.8	.7	.5	.4	.2	.3	.6	.5	.6	.2	.6
190.	*	.2	.2	.2	.2	.0	.0	.0	.8	.8	.8	.5	.5	.3	.3	.5	.5	.3	.6	.5
195.	*	.2	.2	.3	.2	.0	.0	.0	.8	.8	.8	.5	.6	.4	.4	.4	.4	.5	.3	.6
200.	*	.3	.3	.3	.2	.1	.0	.0	.8	.9	.8	.6	.3	.3	.6	.3	.4	.4	.2	.6
205.	*	.3	.3	.3	.3	.1	.0	.0	.9	.9	.8	.7	.3	.4	.6	.1	.3	.3	.3	.6

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JOB: PurpleLine - S10 No Bld 2030 AM

RUN: PurpleLine S10 No Bld 2030 AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.3	.3	.3	.3	.1	.1	.0	.9	.9	.8	.6	.3	.5	.6	.1	.1	.2	.3	.5
215.	*	.3	.3	.3	.3	.1	.1	.1	.9	.9	.8	.5	.2	.6	.6	.1	.1	.2	.4	.6
220.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.7	.3	.3	.7	.6	.1	.1	.2	.4	.6
225.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.2	.3	.6	.7	.0	.2	.2	.4	.5
230.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.3	.4	.5	.6	.0	.2	.2	.3	.5
235.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.3	.4	.6	.5	.0	.1	.2	.3	.5
240.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.1	.4	.3	.4	.7	.5	.0	.0	.2	.3	.5
245.	*	.3	.3	.3	.6	.1	.1	.1	1.0	1.1	.3	.3	.3	.7	.5	.0	.0	.2	.3	.5
250.	*	.3	.3	.3	.6	.2	.1	.1	1.0	1.1	.3	.3	.4	.7	.5	.0	.0	.2	.3	.5
255.	*	.3	.3	.3	.6	.2	.1	.1	1.0	1.1	.3	.3	.4	.7	.5	.0	.0	.1	.3	.3
260.	*	.3	.3	.3	.6	.2	.1	.1	1.0	1.1	.3	.3	.5	.7	.5	.0	.0	.1	.3	.3
265.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.0	.3	.3	.6	.7	.4	.0	.0	.1	.2	.3
270.	*	.3	.3	.3	.7	.2	.1	.1	1.1	1.0	.3	.3	.6	.7	.4	.0	.0	.1	.2	.3
275.	*	.2	.2	.3	.7	.3	.2	.1	1.1	1.0	.2	.4	.6	.7	.4	.0	.0	.1	.2	.2

280.	*	.2	.3	.4	.7	.3	.2	.1	1.1	1.0	.2	.4	.6	.6	.4	.0	.0	.1	.2	.3	.3
285.	*	.3	.3	.4	.6	.3	.2	.1	1.1	.9	.2	.4	.6	.6	.4	.0	.0	.0	.1	.3	.3
290.	*	.3	.3	.5	.6	.3	.2	.2	1.0	.8	.3	.4	.7	.6	.4	.0	.0	.1	.2	.4	.3
295.	*	.3	.3	.5	.5	.3	.2	.2	1.0	.7	.4	.4	.7	.5	.4	.0	.1	.1	.2	.4	.3
300.	*	.3	.3	.5	.5	.4	.3	.3	.7	.7	.3	.4	.6	.5	.4	.0	.1	.1	.2	.4	.4
305.	*	.3	.3	.6	.5	.3	.3	.2	.6	.6	.4	.5	.6	.4	.4	.0	.0	.1	.2	.4	.4
310.	*	.3	.3	.7	.5	.2	.2	.1	.5	.6	.5	.5	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.3	.3	.7	.5	.2	.3	.2	.3	.3	.6	.4	.5	.4	.4	.0	.0	.0	.3	.4	.4
320.	*	.3	.3	.8	.4	.4	.3	.3	.2	.4	.4	.5	.5	.4	.4	.0	.0	.0	.1	.4	.4
325.	*	.3	.3	.8	.5	.2	.5	.6	.3	.3	.4	.4	.5	.5	.5	.0	.0	.0	.0	.3	.2
330.	*	.3	.4	.8	.6	.4	.5	.6	.1	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.3	.5	1.0	.5	.6	.7	.6	.1	.2	.3	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1
340.	*	.3	.5	1.0	.5	.6	.7	.6	.1	.1	.3	.4	.5	.5	.6	.0	.0	.0	.0	.1	.0
345.	*	.4	.6	.7	.4	.7	.7	.6	.0	.1	.3	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0
350.	*	.3	.5	.8	.4	.7	.6	.6	.0	.1	.2	.3	.5	.6	.6	.1	.0	.2	.0	.0	.0
355.	*	.3	.6	.8	.4	.5	.7	.6	.0	.0	.1	.2	.4	.5	.4	.1	.2	.3	.0	.0	.0
360.	*	.3	.6	.7	.4	.5	.6	.6	.0	.0	.0	.2	.3	.4	.4	.2	.3	.4	.1	.0	.0
-----																					
MAX	*	.4	.6	1.0	.7	.7	.7	.6	1.1	1.1	.9	.7	.7	.7	.7	.9	.9	1.0	.7	.8	.7
DEGR.	*	345	0	335	270	345	335	0	265	240	155	205	290	220	225	175	170	30	120	170	160

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JOB: PurpleLine - S10 No Bld 2030 AM

RUN: PurpleLine S10 No Bld 2030 AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.5	.7	.6	.5	.4	.4	.3
5.	*	.0	.5	.7	.7	.5	.5	.5	.3
10.	*	.0	.6	.7	.7	.5	.5	.5	.4
15.	*	.0	.6	.7	.8	.5	.5	.5	.5
20.	*	.0	.6	.7	.8	.5	.6	.7	.5
25.	*	.0	.7	.7	.9	.4	.5	.4	.6
30.	*	.0	.7	.7	.9	.5	.6	.4	.6
35.	*	.0	.8	.7	.9	.5	.4	.5	.6
40.	*	.0	.8	.8	.8	.6	.3	.5	.6
45.	*	.1	.8	.9	.7	.5	.3	.5	.7
50.	*	.1	.8	.9	.7	.4	.3	.6	.7
55.	*	.1	.8	.9	.6	.1	.3	.8	.7
60.	*	.1	.9	.9	.6	.2	.3	.7	.7
65.	*	.1	1.0	.9	.5	.2	.4	.7	.7
70.	*	.1	1.0	.9	.4	.2	.4	.7	.6
75.	*	.1	1.0	.9	.4	.2	.5	.8	.6
80.	*	.1	1.0	.9	.4	.2	.5	.8	.5
85.	*	.1	1.0	.9	.4	.3	.4	.8	.5
90.	*	.1	1.0	.8	.4	.5	.5	.8	.4
95.	*	.1	1.0	.9	.3	.5	.6	.8	.4
100.	*	.2	1.0	.9	.3	.5	.7	.8	.4
105.	*	.2	.9	.7	.5	.5	.7	.6	.3
110.	*	.1	.9	.6	.5	.4	.5	.6	.3
115.	*	.1	.9	.8	.5	.5	.5	.6	.3
120.	*	.2	.7	.6	.5	.4	.5	.6	.3
125.	*	.2	.8	.6	.4	.6	.6	.5	.3
130.	*	.2	.7	.5	.4	.4	.6	.4	.3
135.	*	.3	.4	.4	.2	.5	.5	.5	.3
140.	*	.3	.4	.2	.3	.5	.5	.5	.3
145.	*	.3	.2	.2	.4	.5	.5	.5	.4
150.	*	.4	.2	.2	.4	.5	.5	.4	.4
155.	*	.5	.1	.1	.2	.5	.5	.5	.4
160.	*	.6	.1	.1	.1	.5	.3	.5	.5
165.	*	.5	.1	.1	.1	.2	.3	.3	.5
170.	*	.4	.1	.1	.1	.2	.2	.3	.4
175.	*	.4	.1	.1	.1	.2	.2	.3	.4
180.	*	.3	.0	.1	.1	.1	.2	.3	.4
185.	*	.3	.0	.0	.1	.1	.2	.2	.3
190.	*	.3	.0	.0	.0	.1	.1	.2	.2
195.	*	.3	.0	.0	.0	.0	.1	.1	.2
200.	*	.3	.0	.0	.0	.0	.0	.1	.1
205.	*	.3	.0	.0	.0	.0	.0	.0	.1

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JOB: PurpleLine - S10 No Bld 2030 AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0

230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.3	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.2	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.6	.2	.2	.0	.0	.0
330.	*	.1	.3	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.8	.6	.2	.1	.1	.0
340.	*	.0	.6	.7	.6	.4	.1	.1	.0
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.5	.7	.6	.5	.3	.1	.2
355.	*	.0	.6	.7	.6	.5	.3	.3	.2
360.	*	.0	.5	.7	.6	.5	.4	.4	.3
-----									
MAX	*	.6	1.0	.9	.9	.6	.7	.8	.7
DEGR.	*	160	65	45	25	40	100	55	45

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 265 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 240 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 335 DEGREES FROM REC3 .



PurpleLine	- S10 No Bld	2030 PM			60.0321.0.0000.000280.30480000						1	1
SE MID S			1341.		775.		5.0					
SE 164 S			1349.		856.		5.0					
SE 82 S			1357.		938.		5.0					
SE CNR			1401.		1043.		5.0					
SE 82 E			1501.		999.		5.0					
SE 164 E			1562.		944.		5.0					
SE MID E			1623.		890.		5.0					
NE MID E			1582.		1083.		5.0					
NE 164 E			1521.		1138.		5.0					
NE 82 E			1466.		1200.		5.0					
NE CNR			1422.		1281.		5.0					
NE 82 N			1402.		1367.		5.0					
NE 164 N			1402.		1449.		5.0					
NE MID N			1409.		1531.		5.0					
NW MID N			1317.		1719.		5.0					
NW 164 N			1310.		1638.		5.0					
NW 82 N			1302.		1555.		5.0					
NW CNR			1267.		1462.		5.0					
NW 82 W			1178.		1495.		5.0					
NW 164 W			1126.		1560.		5.0					
NW MIDW			1075.		1624.		5.0					
SW MID W			1077.		1426.		5.0					
SW 164 W			1130.		1360.		5.0					
SW 82 W			1172.		1284.		5.0					
SW CNR			1206.		1204.		5.0					
SW 82 S			1226.		1123.		5.0					
SW 164 S			1237.		1038.		5.0					
SW MID S			1237.		955.		5.0					
PurpleLine	S10 No Bld	2030 PM			39	1	0					
0	1	650nbAP	AG	1236.	15.	1271.	361.	2875	3.1	0	56	30.
0	2	650nbT	AG	1271.	361.	1355.	1221.	2120	3.1	0	56	30.
0	150	650nbTq	AG	1343.	1096.	1304.	697.	0.	36	3		
1	89			2.0	2120	32.1	1671	1	3			
0	2	650nbL	AG	1247.	388.	1329.	1246.	535	3.1	0	44	30.
0	150	650nbLq	AG	1316.	1110.	1277.	702.	0.	24	2		
1	119			2.0	535	32.1	1717	1	3			
0	1	650nbD	AG	1356.	1220.	1420.	2001.	2500	3.1	0	56	30.
0	1	650nbD	AG	1420.	2001.	1507.	2421.	2500	3.1	0	56	30.
0	1	650sbAP	AG	1463.	2422.	1386.	2066.	1720	3.0	0	56	30.
0	1	650sbAP	AG	1386.	2066.	1350.	1713.	1720	3.0	0	56	30.
0	2	650sbT	AG	1351.	1713.	1306.	1295.	1270	3.0	0	56	30.
0	150	650sbTq	AG	1315.	1375.	1349.	1693.	0.	36	3		
1	93			2.0	1270	32.1	1678	1	3			
0	2	650sbL	AG	1372.	1706.	1331.	1273.	360	3.0	0	32	30.
0	150	650sbLq	AG	1338.	1348.	1370.	1691.	0.	12	1		
1	124			2.0	360	32.1	1770	1	3			
0	1	650sbD	AG	1306.	1294.	1178.	15.	1955	3.0	0	56	30.
0	1	193ebAP	AG	355.								

0		650nbR	AG	1297.	505.	1350.	1048.	220	3.1	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	220	3.1	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	90	3.0	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	90	3.0	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	420	3.0	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	420	3.0	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	420	3.0	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	420	3.0	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	245	2.9	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	245	2.9	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	245	2.9	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 No Bld 2030 PM  
DATE: 12/20/2007 TIME: 07:56:39.31

RUN: PurpleLine S10 No Bld 2030 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2875.	3.1	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	2120.	3.1	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1227.4	-86.5	*	1188.	186. AG	153.	100.0	.0	36.0	1.11 60.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	535.	3.1	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1297.2	912.8	*	198.	185. AG	137.	100.0	.0	24.0	.86 10.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2500.	3.1	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2500.	3.1	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1720.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1720.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1270.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1337.9	1588.9	*	215.	6. AG	160.	100.0	.0	36.0	.71 10.9
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	360.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1463.1	2688.9	*	1347.	5. AG	71.	100.0	.0	12.0	1.39 68.4
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1955.	3.0	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2270.	3.0	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	2295.	3.0	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	-504.8	3244.8	*	2582.	318. AG	164.	100.0	.0	36.0	1.37 131.2
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	135.	3.0	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1091.6	1500.3	*	217.	319. AG	77.	100.0	.0	12.0	1.05 11.0
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2295.	3.0	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2295.	3.0	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2280.	2.9	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1770.	2.9	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1686.3	947.0	*	329.	133. AG	152.	100.0	.0	36.0	.92 16.7
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	265.	2.9	.0	32.0	
26. 0	650wbL	1426.0	1151.0	2464.2	212.8	*	1399.	132. AG	76.	100.0	.0	12.0	1.73 71.1
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2395.	2.9	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2395.	2.9	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	220.	3.1	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	220.	3.1	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	90.	3.0	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	90.	3.0	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	420.	3.0	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	420.	3.0	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	420.	3.0	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	420.	3.0	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	245.	2.9	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	245.	2.9	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	245.	2.9	.0	32.0	

JOB: PurpleLine - S10 No Bld 2030 PM  
DATE: 12/20/2007 TIME: 07:56:39.31

RUN: PurpleLine S10 No Bld 2030 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	89	2.0	2120	1671	32.10	1	3
5. 0	650nbLq	150	119	2.0	535	1717	32.10	1	3
11. 0	650sbTq	150	93	2.0	1270	1678	32.10	1	3
13. 0	650sbLq	150	124	2.0	360	1770	32.10	1	3
17. 0	650ebTq	150	95	2.0	2295	1645	32.10	1	3
19. 0	650ebLq	150	135	2.0	135	1770	32.10	1	3
24. 0	650wbT	150	88	2.0	1770	1664	32.10	1	3
26. 0	650wbL	150	133	2.0	265	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 No Bld 2030 PM

RUN: PurpleLine S10 No Bld 2030 PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.1	1.0	.9	.4	.6	.6	.7	.0	.0	.1	.2	.4	.5	.2	.2	.2	.0	.0	.0
5.	*	.9	.7	.6	.3	.6	.6	.7	.0	.0	.0	.2	.4	.4	.2	.3	.4	.1	.0	.0
10.	*	.6	.6	.6	.4	.6	.6	.7	.0	.0	.0	.1	.3	.4	.5	.4	.4	.3	.0	.0
15.	*	.4	.4	.4	.3	.6	.6	.6	.0	.0	.0	.1	.2	.2	.5	.4	.5	.4	.0	.0
20.	*	.3	.4	.4	.3	.6	.6	.6	.0	.0	.0	.1	.1	.1	.5	.4	.5	.4	.1	.0
25.	*	.3	.3	.3	.4	.6	.6	.6	.0	.0	.0	.1	.1	.1	.5	.4	.4	.5	.1	.0
30.	*	.1	.2	.2	.4	.6	.6	.6	.0	.0	.0	.0	.1	.1	.4	.4	.6	.5	.2	.0
35.	*	.1	.2	.2	.4	.6	.6	.6	.0	.0	.0	.0	.1	.0	.4	.5	.6	.6	.2	.0
40.	*	.1	.2	.2	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.4	.4	.6	.6	.2	.0
45.	*	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.4	.7	.6	.2	.1
50.	*	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.6	.6	.2	.1
55.	*	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.6	.6	.2	.1
60.	*	.1	.1	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.2	.1
65.	*	.0	.1	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
70.	*	.0	.1	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
75.	*	.0	.0	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
80.	*	.0	.0	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.2
85.	*	.1	.1	.2	.5	.6	.7	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
90.	*	.1	.1	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
95.	*	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
100.	*	.1	.2	.3	.5	.7	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.2
105.	*	.1	.2	.3	.4	.7	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.2
110.	*	.0	.1	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.2	.2
115.	*	.0	.1	.3	.5	.6	.5	.6	.1	.2	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
120.	*	.0	.0	.1	.4	.7	.6	.5	.3	.3	.1	.0	.0	.0	.3	.3	.7	.6	.3	.3
125.	*	.0	.0	.1	.4	.6	.5	.5	.6	.3	.1	.0	.0	.0	.3	.3	.7	.6	.3	.3
130.	*	.0	.0	.0	.3	.5	.5	.5	.6	.8	.6	.2	.0	.0	.3	.4	.8	.6	.5	.4
135.	*	.0	.0	.0	.1	.3	.4	.3	.8	.9	.7	.5	.1	.0	.3	.4	.8	.7	.5	.4
140.	*	.0	.0	.0	.0	.2	.2	.1	.9	1.0	.9	.6	.4	.0	.4	.4	.8	.8	.6	.4
145.	*	.0	.0	.0	.0	.2	.1	.1	.9	1.0	.9	.5	.3	.1	.0	.4	.6	.9	.7	.5
150.	*	.0	.0	.0	.0	.0	.0	.1	1.0	1.1	1.0	.5	.3	.2	.0	.4	.6	.9	.7	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	.9	.5	.4	.2	.1	.5	.8	.9	.8	.7
160.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.2	.2	.5	.8	1.0	.8	.9
165.	*	.2	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.3	.2	.5	.8	1.0	.8	.9
170.	*	.2	.2	.2	.0	.0	.0	.0	.9	.9	.8	.4	.5	.5	.2	.7	.9	1.2	.7	1.0
175.	*	.3	.3	.3	.1	.0	.0	.0	.9	.9	.8	.4	.6	.7	.4	1.0	1.0	.5	.9	.8
180.	*	.5	.5	.5	.2	.0	.0	.0	.9	.9	.5	.5	.5	.4	.7	.9	.9	.5	.9	.8
185.	*	.7	.9	.9	.3	.1	.0	.0	.9	1.0	.9	.5	.8	.7	.6	.6	.6	.7	.4	.8
190.	*	.9	1.0	1.0	.5	.1	.0	.0	.9	1.0	1.1	.7	.9	.6	.6	.3	.6	.7	.5	.6
195.	*	1.0	1.0	1.0	.5	.1	.1	.0	.9	.9	1.0	.8	.9	.6	.8	.3	.4	.5	.3	.6
200.	*	1.0	1.1	1.1	.7	.1	.1	.1	.9	1.0	1.0	.8	.9	.7	.8	.2	.3	.4	.3	.6
205.	*	1.1	1.1	1.1	.7	.3	.1	.1	.9	1.2	1.1	.8	.6	.5	.8	.2	.2	.3	.4	.6

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JOB: PurpleLine - S10 No Bld 2030 PM

RUN: PurpleLine S10 No Bld 2030 PM

PAGE 4

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	1.0	1.0	1.0	.7	.4	.1	.1	.9	1.2	1.0	.6	.5	.6	.9	.1	.2	.3	.4	.6
215.	*	1.0	1.0	1.0	.7	.4	.2	.1	1.0	1.2	1.0	.7	.5	.8	.8	.1	.2	.3	.5	.6
220.	*	1.0	1.0	1.0	.7	.4	.2	.1	1.0	1.2	.9	.5	.5	.8	.8	.1	.2	.3	.5	.6
225.	*	.9	.9	.9	.7	.4	.2	.1	1.0	1.3	.7	.5	.6	.8	.9	.2	.2	.3	.5	.6
230.	*	.8	.8	.8	.7	.4	.2	.1	1.0	1.2	.7	.5	.6	.8	.9	.2	.2	.3	.5	.6
235.	*	.8	.8	.9	.7	.4	.2	.1	1.0	1.2	.7	.4	.4	1.0	1.0	.1	.2	.3	.5	.6
240.	*	.8	.8	.9	.7	.3	.2	.1	1.0	1.2	.5	.4	.4	1.0	1.0	.1	.2	.3	.5	.6
245.	*	.8	.8	.9	.7	.3	.2	.1	1.1	1.2	.4	.3	.5	.9	.9	.1	.2	.2	.5	.6
250.	*	.7	.7	.8	.7	.4	.2	.1	1.1	1.2	.4	.5	.6	.9	.8	.1	.2	.2	.5	.6
255.	*	.7	.7	.9	.7	.4	.2	.1	1.2	1.2	.4	.5	.6	.9	.8	.1	.2	.2	.5	.6
260.	*	.7	.7	.9	.7	.3	.2	.1	1.2	1.2	.5	.6	.7	.9	.8	.1	.2	.2	.5	.6
265.	*	.7	.7	.9	.7	.3	.2	.1	1.2	1.0	.5	.6	.8	.9	.9	.1	.1	.2	.5	.6
270.	*	.7	.7	.9	.7	.3	.2	.1	1.2	1.0	.5	.5	.8	.9	1.0	.1	.2	.2	.5	.8
275.	*	.7	.7	.9	.7	.4	.3	.1	1.0	1.0	.5	.5	.9	.9	.9	.1	.2	.3	.5	.8

280.	*	.7	.7	.9	.7	.3	.3	.1	1.0	.9	.6	.5	.9	.9	.8	.2	.2	.3	.4	.7	.7
285.	*	.7	.7	.9	.7	.3	.3	.2	.9	.8	.6	.5	1.0	.8	.7	.2	.2	.3	.4	.7	.7
290.	*	.7	.7	.9	.6	.3	.4	.2	.9	.8	.6	.6	.9	1.0	.8	.2	.3	.3	.4	.7	.7
295.	*	.7	.7	.9	.5	.4	.4	.3	1.0	.8	.5	.6	.9	1.0	.8	.2	.3	.4	.4	.7	.7
300.	*	.7	.7	.9	.5	.4	.4	.2	.8	.8	.6	.6	1.0	.9	.8	.1	.3	.4	.4	.7	.8
305.	*	.8	.9	1.0	.6	.4	.5	.3	.9	.9	.6	.7	1.0	1.0	.7	.1	.2	.4	.5	.8	.8
310.	*	.8	.9	1.1	.6	.4	.3	.4	.8	.9	.6	.8	1.0	.8	.7	.1	.1	.2	.5	.8	.7
315.	*	.8	1.0	1.1	.7	.5	.4	.5	.8	.7	.6	.8	.8	.8	.7	.0	.1	.2	.5	.8	.6
320.	*	.9	1.0	1.1	.6	.7	.5	.7	.4	.6	.5	.7	.8	.8	.6	.0	.0	.1	.3	.7	.6
325.	*	1.0	1.1	1.2	.8	.6	.7	.7	.5	.4	.4	.7	.8	.7	.6	.0	.0	.0	.1	.5	.4
330.	*	1.1	1.2	1.3	.8	.9	.7	.8	.3	.3	.3	.6	.7	.7	.5	.0	.0	.0	.0	.4	.3
335.	*	1.2	1.3	1.2	.6	.8	.8	.7	.1	.2	.3	.6	.7	.7	.5	.0	.0	.0	.0	.1	.2
340.	*	1.2	1.3	1.2	.5	.8	.8	.8	.1	.3	.3	.5	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.2	1.3	1.3	.5	.8	.8	.7	.1	.2	.3	.4	.6	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.2	1.2	1.1	.6	.8	.8	.6	.0	.1	.2	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0
355.	*	1.0	1.1	1.1	.6	.7	.7	.7	.0	.1	.2	.4	.5	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.0	.9	.4	.6	.6	.7	.0	.0	.1	.2	.4	.5	.5	.2	.2	.2	.0	.0	.0
-----																					
MAX	*	1.2	1.3	1.3	.8	.9	.8	.8	1.2	1.3	1.1	.8	1.0	1.0	1.0	.7	1.0	1.2	.8	1.0	.9
DEGR.	*	335	335	330	325	330	335	330	255	225	190	195	285	235	235	170	175	170	140	170	160

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JOB: PurpleLine - S10 No Bld 2030 PM

RUN: PurpleLine S10 No Bld 2030 PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONC	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.9	.9	.8	.5	.4	.4	.2
5.	*	.0	.8	.8	.8	.3	.6	.5	.3
10.	*	.0	.7	.8	.8	.5	.6	.5	.3
15.	*	.0	.8	.8	.9	.6	.7	.4	.4
20.	*	.0	.8	.8	1.0	.6	.7	.4	.5
25.	*	.0	.8	.8	.9	.6	.7	.3	.6
30.	*	.0	.8	1.0	.9	.6	.4	.5	.6
35.	*	.0	.8	1.1	.8	.6	.2	.6	.7
40.	*	.0	.8	1.0	.9	.4	.2	.5	.7
45.	*	.0	.9	1.0	.8	.3	.3	.5	.8
50.	*	.0	.9	1.0	.7	.4	.3	.6	.9
55.	*	.0	1.0	1.0	.5	.4	.3	.6	.9
60.	*	.0	1.0	1.0	.5	.3	.3	.8	.9
65.	*	.1	1.0	1.0	.5	.3	.3	.8	.9
70.	*	.1	1.0	1.0	.3	.3	.4	.8	.9
75.	*	.1	1.0	1.0	.3	.3	.5	.8	.9
80.	*	.1	1.0	1.0	.4	.5	.5	.9	.8
85.	*	.1	1.0	1.0	.4	.3	.5	.9	.8
90.	*	.1	1.1	1.0	.4	.4	.6	.9	.8
95.	*	.1	1.1	.9	.4	.5	.8	1.0	.7
100.	*	.2	1.1	.9	.4	.5	.7	1.0	.7
105.	*	.2	1.0	.7	.6	.5	.7	.9	.8
110.	*	.2	1.1	.7	.6	.6	.7	1.0	.8
115.	*	.2	1.0	.9	.7	.6	.9	1.0	.8
120.	*	.3	1.0	.8	.7	.7	.9	.8	.6
125.	*	.3	.9	.9	.8	.9	.8	.8	.6
130.	*	.2	.7	.8	.6	.8	.6	.7	.6
135.	*	.3	.5	.7	.6	.5	.6	.7	.6
140.	*	.2	.3	.6	.6	.5	.6	.7	.5
145.	*	.5	.4	.4	.4	.6	.6	.7	.5
150.	*	.6	.4	.4	.4	.6	.6	.6	.5
155.	*	.8	.2	.4	.4	.5	.6	.6	.6
160.	*	.8	.2	.3	.4	.5	.6	.6	.6
165.	*	.8	.2	.3	.5	.5	.6	.6	.7
170.	*	.8	.1	.2	.3	.5	.6	.5	.7
175.	*	.7	.1	.2	.2	.4	.4	.5	.6
180.	*	.6	.0	.1	.2	.2	.4	.5	.5
185.	*	.6	.0	.0	.1	.2	.2	.3	.3
190.	*	.5	.0	.0	.0	.0	.2	.2	.3
195.	*	.5	.0	.0	.0	.0	.0	.1	.2
200.	*	.5	.0	.0	.0	.0	.0	.0	.1
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine - S10 No Bld 2030 PM

RUN: PurpleLine S10 No Bld 2030 PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONC	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0

230.	*	.5	.0	.0	.0	.0	.0	.0	.0
235.	*	.5	.0	.0	.0	.0	.0	.0	.0
240.	*	.5	.0	.0	.0	.0	.0	.0	.0
245.	*	.5	.0	.0	.0	.0	.0	.0	.0
250.	*	.5	.0	.0	.0	.0	.0	.0	.0
255.	*	.5	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.5	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.0	.0	.0	.0	.0	.0	.0
275.	*	.5	.0	.0	.0	.0	.0	.0	.0
280.	*	.6	.0	.0	.0	.0	.0	.0	.0
285.	*	.7	.0	.0	.0	.0	.0	.0	.0
290.	*	.7	.0	.0	.0	.0	.0	.0	.0
295.	*	.7	.0	.0	.0	.0	.0	.0	.0
300.	*	.7	.1	.1	.0	.0	.0	.0	.0
305.	*	.8	.3	.1	.1	.1	.0	.0	.0
310.	*	.7	.4	.3	.2	.1	.1	.0	.0
315.	*	.6	.5	.6	.3	.2	.1	.1	.1
320.	*	.6	.9	.7	.5	.3	.2	.1	.1
325.	*	.5	1.0	.8	.7	.4	.3	.2	.1
330.	*	.2	1.0	1.0	.7	.5	.3	.2	.1
335.	*	.1	1.0	1.2	.8	.6	.4	.2	.2
340.	*	.0	1.1	1.1	.8	.5	.4	.2	.1
345.	*	.0	1.0	1.1	.9	.6	.4	.3	.1
350.	*	.0	.9	1.0	.9	.5	.4	.3	.1
355.	*	.0	.9	1.0	.9	.5	.3	.3	.3
360.	*	.0	.9	.9	.8	.5	.4	.4	.2
-----									
MAX	*	.8	1.1	1.2	1.0	.9	.9	1.0	.9
DEGR.	*	155	90	335	20	125	115	95	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 330 DEGREES FROM REC3 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 225 DEGREES FROM REC9 .

PurpleLine - S10 LOWBRT 2030 AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0
SE 164 S	1349.	856.	5.0
SE 82 S	1357.	938.	5.0
SE CNR	1401.	1043.	5.0
SE 82 E	1501.	999.	5.0
SE 164 E	1562.	944.	5.0
SE MID E	1623.	890.	5.0
NE MID E	1582.	1083.	5.0
NE 164 E	1521.	1138.	5.0
NE 82 E	1466.	1200.	5.0
NE CNR	1422.	1281.	5.0
NE 82 N	1402.	1367.	5.0
NE 164 N	1402.	1449.	5.0
NE MID N	1409.	1531.	5.0
NW MID N	1317.	1719.	5.0
NW 164 N	1310.	1638.	5.0
NW 82 N	1302.	1555.	5.0
NW CNR	1267.	1462.	5.0
NW 82 W	1178.	1495.	5.0
NW 164 W	1126.	1560.	5.0
NW MIDW	1075.	1624.	5.0
SW MID W	1077.	1426.	5.0
SW 164 W	1130.	1360.	5.0
SW 82 W	1172.	1284.	5.0
SW CNR	1206.	1204.	5.0
SW 82 S	1226.	1123.	5.0
SW 164 S	1237.	1038.	5.0
SW MID S	1237.	955.	5.0
PurpleLine S10 LOWBRT 2030 AM	52	1	0
1			
0	650nbAP	AG 1236.	15. 1271. 361. 1330 3.0 0 56 30.
1			
0	650nbT	AG 1271. 361. 1355. 1221.	950 3.0 0 56 30.
2			
0	650nbTq	AG 1343. 1096. 1304. 697.	0. 36 3
150	84	2.0 950 32.1 1675 1 3	
1			
0	650nbL	AG 1247. 388. 1329. 1246.	300 3.0 0 44 30.
2			
0	650nbLq	AG 1316. 1110. 1277. 702.	0. 24 2
150	126	2.0 300 32.1 1717 1 3	
1			
0	650nbD	AG 1356. 1220. 1420. 2001.	1320 3.0 0 56 30.
1			
0	650nbD	AG 1420. 2001. 1507. 2421.	1320 3.0 0 56 30.
1			
0	650sbAP	AG 1463. 2422. 1386. 2066.	2670 3.0 0 56 30.
1			
0	650sbAP	AG 1386. 2066. 1350. 1713.	2670 3.0 0 56 30.
1			
0	650sbT	AG 1351. 1713. 1306. 1295.	2250 3.0 0 56 30.
2			
0	650sbTq	AG 1315. 1375. 1349. 1693.	0. 36 3
150	79	2.0 2250 32.1 1673 1 3	
1			
0	650sbL	AG 1372. 1706. 1331. 1273.	210 3.0 0 32 30.
2			
0	650sbLq	AG 1338. 1348. 1370. 1691.	0. 12 1
150	120	2.0 210 32.1 1770 1 3	
1			
0	650sbD	AG 1306. 1294. 1178. 15.	2995 3.0 0 56 30.
1			
0	193ebAP	AG 355. 2423. 1060. 1499.	1725 3.0 0 56 30.
1			
0	193ebT	AG 1061. 1498. 1305. 1226.	1090 3.0 0 56 30.
2			
0	650ebTq	AG 1218. 1322. 1063. 1495.	0. 36 3
150	101	2.0 1090 32.1 1611 1 3	
1			
0	193ebL	AG 1079. 1515. 1307. 1257.	100 3.0 0 32 30.
2			
0	650ebLq	AG 1235. 1338. 1084. 1509.	0. 12 1
150	136	2.0 100 32.1 1770 1 3	
1			
0	193ebD	AG 1306. 1224. 1616. 935.	1380 3.0 0 56 30.
1			
0	193ebD	AG 1616. 935. 2729. 78.	1380 3.0 0 56 30.
1			
0	193wbAP	AG 2729. 161. 1679. 955.	1910 3.0 0 56 30.
1			
0	193wbT	AG 1679. 954. 1336. 1269.	1430 3.0 0 56 30.
2			
0	650wbT	AG 1444. 1170. 1670. 962.	0. 36 3
150	95	2.0 1430 32.1 1655 1 3	
1			
0	193wbL	AG 1649. 949. 1334. 1233.	210 3.0 0 32 30.
2			
0	650wbL	AG 1426. 1151. 1644. 954.	0. 12 1
150	130	2.0 210 32.1 1770 1 3	
1			
0	193wbD	AG 1336. 1269. 1001. 1661.	1940 3.0 0 56 30.
1			
0	193wbD	AG 1001. 1661. 429. 2424.	1940 3.0 0 56 30.
1			

0		650nbR	AG	1297.	505.	1350.	1048.	80	3.0	0	32	30.
1												
0		650nbR	AG	1350.	1048.	1448.	1090.	80	3.0	0	32	30.
1												
0		650sbR	AG	1334.	1706.	1311.	1458.	210	3.0	0	32	30.
1												
0		650sbR	AG	1311.	1458.	1212.	1415.	210	3.0	0	32	30.
1												
0		193ebR	AG	1052.	1487.	1147.	1372.	535	3.0	0	32	30.
1												
0		193ebR	AG	1147.	1372.	1219.	1224.	535	3.0	0	32	30.
1												
0		193ebR	AG	1219.	1224.	1247.	1117.	535	3.0	0	32	30.
1												
0		193ebR	AG	1247.	1117.	1269.	958.	535	3.0	0	32	30.
1												
0		193wbR	AG	1666.	987.	1450.	1178.	270	3.0	0	32	30.
1												
0		193wbR	AG	1450.	1178.	1402.	1274.	270	3.0	0	32	30.
1												
0		193wbR	AG	1402.	1274.	1371.	1385.	270	3.0	0	32	30.
1												
0		BRTeb	AG	339.	2424.	992.	1562.	34	0.4	0	32	30.
1												
0		BRTeb	AG	992.	1562.	1123.	1405.	34	0.4	0	32	30.
1												
0		BRTeb	AG	1123.	1405.	1292.	1225.	34	0.4	0	32	30.
2												
0		BRTeb	AG	1210.	1312.	1124.	1403.	0.	12	1		
150		101		2.0	34	1.8	1770	1	3			
1												
0		BRTeb	AG	1292.	1223.	1579.	953.	34	0.4	0	32	30.
1												
0		BRTeb	AG	1579.	953.	1789.	780.	34	0.4	0	32	30.
1												
0		BRTeb	AG	1789.	780.	2728.	63.	34	0.4	0	32	30.
1												
0		BRTwb	AG	2730.	173.	1701.	956.	34	0.4	0	32	30.
1												
0		BRTwb	AG	1701.	956.	1356.	1262.	34	0.4	0	32	30.
2												
0		BRTwb	AG	1453.	1176.	1634.	1015.	0.	12	1		
150		95		2.0	34	1.8	1611	1	3			
1												
0		BRTwb	AG	1356.	1261.	1136.	1520.	34	0.4	0	32	30.
1												
0		BRTwb	AG	1136.	1520.	1006.	1680.	34	0.4	0	32	30.
1												
0		BRTwb	AG	1006.	1680.	449.	2422.	34	0.4	0	32	30.
1.0	04	1000	OY	5	0	72						



JOB: PurpleLine - S10 LOWBRT 2030 AM  
DATE: 12/20/2007 TIME: 07:57:26.77

RUN: PurpleLine S10 LOWBRT 2030 AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1330.	3.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	950.	3.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1328.9	951.5	*	145.	186. AG	145.	100.0	.0	36.0	.46 7.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	300.	3.0	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1306.1	1005.9	*	105.	185. AG	145.	100.0	.0	24.0	.66 5.3
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1320.	3.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1320.	3.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2670.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2670.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	2250.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1366.7	1858.8	*	487.	6. AG	136.	100.0	.0	36.0	1.00 24.7
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	210.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1350.9	1485.8	*	138.	5. AG	69.	100.0	.0	12.0	.69 7.0
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2995.	3.0	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1725.	3.0	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1090.	3.0	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1084.2	1471.3	*	200.	318. AG	174.	100.0	.0	36.0	.75 10.2
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	100.	3.0	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1173.6	1407.5	*	93.	319. AG	78.	100.0	.0	12.0	.85 4.7
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1380.	3.0	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1380.	3.0	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1910.	3.0	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1430.	3.0	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1637.6	991.8	*	263.	133. AG	164.	100.0	.0	36.0	.85 13.4
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	210.	3.0	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1752.6	855.8	*	440.	132. AG	75.	100.0	.0	12.0	1.12 22.4
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1940.	3.0	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1940.	3.0	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	80.	3.0	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	80.	3.0	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	210.	3.0	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	210.	3.0	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	535.	3.0	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	535.	3.0	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	535.	3.0	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	535.	3.0	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	270.	3.0	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	270.	3.0	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	270.	3.0	.0	32.0	
40. 0	BRTeb	339.0	2424.0	992.0	1562.0	*	1081.	143. AG	34.	.4	.0	32.0	
41. 0	BRTeb	992.0	1562.0	1123.0	1405.0	*	204.	140. AG	34.	.4	.0	32.0	
42. 0	BRTeb	1123.0	1405.0	1292.0	1225.0	*	247.	137. AG	34.	.4	.0	32.0	
43. 0	BRTeb	1210.0	1312.0	1197.1	1325.6	*	19.	317. AG	3.	100.0	.0	12.0	.06 1.0
44. 0	BRTeb	1292.0	1223.0	1579.0	953.0	*	394.	133. AG	34.	.4	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2030 AM  
DATE: 12/20/2007 TIME: 07:57:26.77

RUN: PurpleLine S10 LOWBRT 2030 AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTeb	1579.0	953.0	1789.0	780.0	*	272.	129. AG	34.	.4	.0	32.0	
46. 0	BRTeb	1789.0	780.0	2728.0	63.0	*	1181.	127. AG	34.	.4	.0	32.0	
47. 0	BRTwb	2730.0	173.0	1701.0	956.0	*	1293.	307. AG	34.	.4	.0	32.0	
48. 0	BRTwb	1701.0	956.0	1356.0	1262.0	*	461.	312. AG	34.	.4	.0	32.0	
49. 0	BRTwb	1453.0	1176.0	1466.2	1164.3	*	18.	132. AG	3.	100.0	.0	12.0	.06 .9
50. 0	BRTwb	1356.0	1261.0	1136.0	1520.0	*	340.	320. AG	34.	.4	.0	32.0	
51. 0	BRTwb	1136.0	1520.0	1006.0	1680.0	*	206.	321. AG	34.	.4	.0	32.0	
52. 0	BRTwb	1006.0	1680.0	449.0	2422.0	*	928.	323. AG	34.	.4	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2030 AM  
DATE: 12/20/2007 TIME: 07:57:26.77

RUN: PurpleLine S10 LOWBRT 2030 AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	84	2.0	950	1675	32.10	1	3
5. 0	650nbLq	150	126	2.0	300	1717	32.10	1	3
11. 0	650sbTq	150	79	2.0	2250	1673	32.10	1	3
13. 0	650sbLq	150	120	2.0	210	1770	32.10	1	3
17. 0	650ebTq	150	101	2.0	1090	1611	32.10	1	3
19. 0	650ebLq	150	136	2.0	100	1770	32.10	1	3

24. 0	650wbT	*	150	95	2.0	1430	1655	32.10	1	3
26. 0	650wbL	*	150	130	2.0	210	1770	32.10	1	3
43. 0	BRTeb	*	150	101	2.0	34	1770	1.80	1	3
49. 0	BRTwb	*	150	95	2.0	34	1611	1.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWBRT 2030 AM

RUN: PurpleLine S10 LOWBRT 2030 AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.3	.6	.7	.4	.5	.6	.6	.0	.0	.0	.2	.3	.4	.4	.3	.3	.4	.1	.0	.0
5. *	.3	.5	.4	.3	.5	.5	.4	.0	.0	.0	.2	.2	.3	.4	.3	.4	.5	.3	.0	.0
10. *	.2	.2	.3	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.1	.5	.6	.6	.4	.0	.0
15. *	.2	.2	.2	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.1	.5	.6	.8	.4	.0	.0
20. *	.1	.2	.2	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.1	.7	.9	.8	.6	.2	.0
25. *	.1	.1	.1	.4	.5	.5	.3	.0	.0	.0	.1	.0	.1	.0	.7	.9	.9	.5	.2	.0
30. *	.1	.1	.1	.4	.5	.5	.3	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.0	.6	.2	.1
35. *	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.0	.8	.8	.9	.6	.2	.2
40. *	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.2	.2
45. *	.1	.1	.1	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.0	.8	.8	.7	.6	.2	.2
50. *	.1	.1	.1	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.0	.8	.7	.7	.6	.2	.1
55. *	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
60. *	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
65. *	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
70. *	.0	.0	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
75. *	.0	.0	.1	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.2
80. *	.0	.0	.1	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.2
85. *	.0	.0	.0	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
90. *	.0	.0	.0	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.8	.7	.7	.6	.2	.2
95. *	.0	.0	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
100. *	.0	.0	.1	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
105. *	.0	.0	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
110. *	.0	.0	.2	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
115. *	.0	.0	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.7	.7	.7	.6	.3	.2
120. *	.0	.0	.0	.3	.4	.4	.3	.3	.3	.1	.0	.0	.0	.0	.7	.7	.7	.7	.3	.3
125. *	.0	.0	.0	.2	.4	.3	.3	.3	.4	.3	.0	.0	.0	.0	.7	.7	.7	.7	.3	.3
130. *	.0	.0	.0	.1	.3	.3	.3	.4	.4	.4	.1	.0	.0	.0	.7	.7	.7	.6	.3	.3
135. *	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.2	.0	.0	.0	.7	.7	.7	.7	.5	.4
140. *	.0	.0	.0	.0	.2	.1	.1	.7	.9	.7	.4	.1	.0	.0	.7	.7	.7	.7	.4	.2
145. *	.0	.0	.0	.0	.0	.0	.1	.9	1.0	.7	.4	.1	.1	.0	.7	.7	.7	.6	.5	.3
150. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.8	.4	.1	.1	.0	.7	.8	1.0	.6	.4	.5
155. *	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.4	.3	.1	.1	.7	.9	1.0	.5	.5	.5
160. *	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.5	.2	.1	.1	.9	.9	1.0	.4	.6	.7
165. *	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.5	.2	.1	.1	.8	.9	.9	.4	.7	.7
170. *	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.8	.9	1.0	.3	.8	.6
175. *	.1	.1	.1	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.9	.9	.7	.4	.7	.6
180. *	.1	.2	.2	.0	.0	.0	.0	.8	.9	.7	.3	.3	.2	.2	.6	.7	.6	.4	.7	.6
185. *	.2	.2	.2	.1	.0	.0	.0	.8	.8	.7	.5	.4	.2	.3	.6	.5	.6	.2	.6	.5
190. *	.2	.2	.2	.2	.0	.0	.0	.8	.8	.8	.5	.5	.3	.3	.5	.5	.5	.3	.6	.5

195. \* .2 .2 .3 .2 .0 .0 .0 .8 .8 .8 .5 .6 .4 .4 .4 .5 .3 .6 .5  
 200. \* .3 .3 .3 .2 .1 .0 .0 .8 .9 .8 .6 .3 .3 .6 .3 .4 .4 .2 .6 .5  
 205. \* .3 .3 .3 .3 .1 .0 .0 .9 .9 .8 .7 .3 .4 .6 .1 .3 .3 .3 .6 .3

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JOB: PurpleLine - S10 LOWBRT 2030 AM

RUN: PurpleLine S10 LOWBRT 2030 AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
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210. * .3 .3 .3 .3 .1 .1 .0 .9 .9 .8 .6 .3 .5 .6 .1 .1 .2 .3 .5 .3
215. * .3 .3 .3 .3 .1 .1 .1 .9 .9 .8 .5 .2 .6 .6 .1 .1 .2 .4 .6 .3
220. * .3 .3 .3 .4 .1 .1 .1 .9 1.0 .7 .3 .3 .7 .6 .1 .1 .2 .4 .6 .2
225. * .3 .3 .3 .4 .1 .1 .1 .9 1.0 .6 .2 .3 .6 .7 .0 .2 .2 .4 .5 .2
230. * .3 .3 .3 .4 .1 .1 .1 .9 1.0 .6 .3 .4 .5 .6 .0 .2 .2 .3 .5 .2
235. * .3 .3 .3 .4 .1 .1 .1 .9 1.0 .6 .3 .4 .6 .5 .0 .1 .2 .3 .5 .3
240. * .3 .3 .3 .5 .1 .1 .1 .9 1.1 .4 .3 .4 .7 .5 .0 .0 .2 .3 .5 .3
245. * .3 .3 .3 .6 .1 .1 .1 1.0 1.1 .3 .3 .3 .7 .5 .0 .0 .2 .3 .5 .3
250. * .3 .3 .3 .6 .2 .1 .1 1.0 1.1 .3 .3 .4 .7 .5 .0 .0 .2 .3 .5 .3
255. * .3 .3 .3 .6 .2 .1 .1 1.0 1.1 .3 .3 .4 .7 .5 .0 .0 .1 .3 .3 .3
260. * .3 .3 .3 .6 .2 .1 .1 1.0 1.1 .3 .3 .5 .7 .5 .0 .0 .1 .3 .3 .3
265. * .3 .3 .3 .6 .2 .1 .1 1.1 1.0 .3 .3 .6 .7 .4 .0 .0 .1 .2 .3 .3
270. * .3 .3 .3 .7 .2 .1 .1 1.1 1.0 .3 .3 .6 .7 .4 .0 .0 .1 .2 .3 .3
275. * .2 .2 .3 .7 .3 .2 .1 1.1 1.0 .2 .4 .6 .7 .4 .0 .0 .1 .2 .2 .3
280. * .2 .3 .4 .7 .3 .2 .1 1.1 1.0 .2 .4 .6 .6 .4 .0 .0 .1 .2 .3 .3
285. * .3 .3 .4 .6 .3 .2 .1 1.1 .9 .2 .4 .6 .6 .4 .0 .0 .0 .1 .3 .3
290. * .3 .3 .5 .6 .3 .2 .2 1.0 .8 .3 .4 .7 .6 .4 .0 .0 .1 .2 .4 .3
295. * .3 .3 .5 .5 .3 .2 .2 1.0 .7 .4 .4 .7 .5 .4 .0 .1 .1 .2 .4 .3
300. * .3 .3 .5 .5 .4 .3 .3 .7 .7 .3 .4 .6 .5 .4 .0 .1 .1 .2 .4 .4
305. * .3 .3 .6 .5 .3 .2 .6 .6 .4 .5 .6 .4 .4 .4 .0 .0 .1 .2 .4 .4
310. * .3 .3 .7 .5 .2 .1 .5 .6 .5 .5 .5 .4 .4 .4 .0 .0 .1 .3 .5 .4
315. * .3 .3 .7 .5 .2 .3 .2 .3 .3 .6 .4 .5 .4 .4 .0 .0 .0 .3 .4 .4
320. * .3 .3 .8 .4 .4 .3 .3 .3 .4 .4 .5 .4 .4 .0 .0 .0 .1 .4 .4
325. * .3 .3 .8 .5 .2 .5 .6 .3 .3 .4 .4 .5 .5 .5 .0 .0 .0 .3 .2
330. * .3 .4 .8 .6 .4 .5 .6 .1 .2 .3 .5 .5 .5 .5 .0 .0 .0 .2 .2
335. * .3 .5 1.0 .5 .6 .7 .6 .1 .2 .3 .5 .6 .5 .5 .0 .0 .0 .1 .1
340. * .3 .5 1.0 .5 .6 .7 .6 .1 .1 .3 .4 .5 .5 .6 .0 .0 .0 .1 .0
345. * .4 .6 .7 .4 .7 .6 .1 .1 .3 .4 .5 .5 .6 .0 .0 .0 .0 .0
350. * .3 .5 .8 .4 .7 .6 .0 .1 .2 .3 .5 .6 .6 .1 .0 .2 .0 .0
355. * .3 .6 .8 .4 .5 .7 .6 .0 .0 .1 .2 .5 .6 .4 .1 .2 .3 .0 .0
360. * .3 .6 .7 .4 .5 .6 .6 .0 .0 .0 .2 .3 .4 .4 .3 .3 .4 .1 .0
-----
MAX * .4 .6 1.0 .7 .7 .7 .6 1.1 1.1 .9 .7 .7 .7 .7 .9 .9 1.0 .7 .8 .7
DEGR. * 345 0 335 270 345 335 0 265 240 155 205 290 220 225 175 170 30 120 170 160
  
```

1

JOB: PurpleLine - S10 LOWBRT 2030 AM

RUN: PurpleLine S10 LOWBRT 2030 AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

```

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28
-----
0. * .0 .5 .7 .6 .5 .4 .4 .3
5. * .0 .5 .7 .7 .5 .5 .3 .3
10. * .0 .6 .7 .8 .5 .5 .5 .4
15. * .0 .6 .7 .8 .5 .5 .5 .5
20. * .0 .6 .8 .8 .5 .6 .7 .5
25. * .0 .7 .7 .9 .4 .5 .4 .6
30. * .0 .7 .7 1.0 .5 .6 .4 .6
35. * .0 .8 .7 1.0 .5 .4 .5 .6
40. * .0 .8 .8 .8 .6 .3 .5 .6
45. * .1 .8 .9 .7 .5 .3 .5 .7
50. * .1 .8 .9 .7 .4 .3 .6 .7
55. * .2 .8 .9 .6 .1 .3 .8 .7
60. * .1 .9 .9 .6 .2 .3 .7 .7
65. * .1 1.0 .9 .5 .2 .4 .7 .7
70. * .1 1.0 .9 .4 .2 .4 .7 .6
75. * .1 1.0 .9 .4 .2 .5 .8 .6
80. * .1 1.0 .9 .4 .2 .5 .8 .5
85. * .1 1.0 .9 .4 .3 .4 .8 .5
90. * .1 1.0 .8 .4 .5 .5 .8 .4
95. * .1 1.0 .9 .3 .5 .6 .8 .4
100. * .2 1.0 .9 .3 .5 .7 .8 .4
105. * .2 .9 .7 .5 .5 .7 .6 .3
110. * .1 .9 .6 .5 .4 .5 .6 .3
115. * .1 .9 .8 .5 .5 .5 .6 .3
120. * .2 .7 .6 .5 .4 .5 .6 .3
125. * .2 .8 .6 .4 .6 .6 .5 .3
130. * .2 .7 .5 .4 .6 .4 .3
135. * .3 .4 .4 .2 .5 .5 .3
140. * .3 .4 .2 .3 .5 .5 .3
145. * .3 .2 .2 .4 .5 .5 .4
150. * .4 .2 .2 .4 .5 .5 .4
  
```

155.	*	.5	.1	.1	.2	.5	.5	.5	.4
160.	*	.6	.1	.1	.1	.5	.3	.5	.5
165.	*	.5	.1	.1	.1	.2	.3	.3	.5
170.	*	.4	.1	.1	.1	.2	.2	.3	.4
175.	*	.4	.1	.1	.1	.2	.2	.3	.4
180.	*	.3	.0	.1	.1	.1	.2	.3	.4
185.	*	.3	.0	.0	.1	.1	.2	.2	.3
190.	*	.3	.0	.0	.0	.1	.1	.2	.2
195.	*	.3	.0	.0	.0	.0	.1	.1	.2
200.	*	.3	.0	.0	.0	.0	.0	.1	.1
205.	*	.3	.0	.0	.0	.0	.0	.0	.1

1

JOB: PurpleLine - S10 LOWBRT 2030 AM

RUN: PurpleLine S10 LOWBRT 2030 AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.3	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.2	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.6	.2	.2	.0	.0	.0
330.	*	.1	.3	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.8	.6	.2	.1	.1	.0
340.	*	.0	.6	.7	.6	.4	.1	.1	.0
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.5	.7	.6	.5	.3	.1	.2
355.	*	.0	.6	.7	.6	.5	.3	.3	.2
360.	*	.0	.5	.7	.6	.5	.4	.4	.3

MAX	*	.6	1.0	.9	1.0	.6	.7	.8	.7
DEGR.	*	160	65	45	30	40	100	55	45

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 265 DEGREES FROM REC8 .  
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 240 DEGREES FROM REC9 .  
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 30 DEGREES FROM REC24.

PurpleLine - S10 LOWBRT 2030 PM										60.0321.0.0000.000280.30480000										1	1
SE MID S			1341.			775.		5.0													
SE 164 S			1349.			856.		5.0													
SE 82 S			1357.			938.		5.0													
SE CNR			1401.			1043.		5.0													
SE 82 E			1501.			999.		5.0													
SE 164 E			1562.			944.		5.0													
SE MID E			1623.			890.		5.0													
NE MID E			1582.			1083.		5.0													
NE 164 E			1521.			1138.		5.0													
NE 82 E			1466.			1200.		5.0													
NE CNR			1422.			1281.		5.0													
NE 82 N			1402.			1367.		5.0													
NE 164 N			1402.			1449.		5.0													
NE MID N			1409.			1531.		5.0													
NW MID N			1317.			1719.		5.0													
NW 164 N			1310.			1638.		5.0													
NW 82 N			1302.			1555.		5.0													
NW CNR			1267.			1462.		5.0													
NW 82 W			1178.			1495.		5.0													
NW 164 W			1126.			1560.		5.0													
NW MIDW			1075.			1624.		5.0													
SW MID W			1077.			1426.		5.0													
SW 164 W			1130.			1360.		5.0													
SW 82 W			1172.			1284.		5.0													
SW CNR			1206.			1204.		5.0													
SW 82 S			1226.			1123.		5.0													
SW 164 S			1237.			1038.		5.0													
SW MID S			1237.			955.		5.0													
PurpleLine S10 LOWBRT 2030 PM							52	1	0												
0	1		650nbAP	AG	1236.	15.	1271.	361.		2875	3.1	0	56	30.							
0	1		650nbT	AG	1271.	361.	1355.	1221.		2120	3.1	0	56	30.							
0	2		650nbTq	AG	1343.	1096.	1304.	697.		0.	36	3									
0	1	150		89	2.0	2120	32.1	1671	1	3											
0	1		650nbL	AG	1247.	388.	1329.	1246.		535	3.1	0	44	30.							
0	2		650nbLq	AG	1316.	1110.	1277.	702.		0.	24	2									
0	1	150		119	2.0	535	32.1	1717	1	3											
0	1		650nbD	AG	1356.	1220.	1420.	2001.		2500	3.1	0	56	30.							
0	1</																				

0		650nbR	AG	1297.	505.	1350.	1048.	220	3.1	0	32	30.
1												
0		650nbR	AG	1350.	1048.	1448.	1090.	220	3.1	0	32	30.
1												
0		650sbR	AG	1334.	1706.	1311.	1458.	90	3.0	0	32	30.
1												
0		650sbR	AG	1311.	1458.	1212.	1415.	90	3.0	0	32	30.
1												
0		193ebR	AG	1052.	1487.	1147.	1372.	420	3.0	0	32	30.
1												
0		193ebR	AG	1147.	1372.	1219.	1224.	420	3.0	0	32	30.
1												
0		193ebR	AG	1219.	1224.	1247.	1117.	420	3.0	0	32	30.
1												
0		193ebR	AG	1247.	1117.	1269.	958.	420	3.0	0	32	30.
1												
0		193wbR	AG	1666.	987.	1450.	1178.	245	2.9	0	32	30.
1												
0		193wbR	AG	1450.	1178.	1402.	1274.	245	2.9	0	32	30.
1												
0		193wbR	AG	1402.	1274.	1371.	1385.	245	2.9	0	32	30.
1												
0		BRTeb	AG	339.	2424.	992.	1562.	34	0.4	0	32	30.
1												
0		BRTeb	AG	992.	1562.	1123.	1405.	34	0.4	0	32	30.
1												
0		BRTeb	AG	1123.	1405.	1292.	1225.	34	0.4	0	32	30.
2												
0		BRTeb	AG	1210.	1312.	1124.	1403.	0.	12	1		
150				95	2.0	34	1.8	1770	1	3		
1												
0		BRTeb	AG	1292.	1223.	1579.	953.	34	0.4	0	32	30.
1												
0		BRTeb	AG	1579.	953.	1789.	780.	34	0.4	0	32	30.
1												
0		BRTeb	AG	1789.	780.	2728.	63.	34	0.4	0	32	30.
1												
0		BRTwb	AG	2730.	173.	1701.	956.	34	0.4	0	32	30.
1												
0		BRTwb	AG	1701.	956.	1356.	1262.	34	0.4	0	32	30.
2												
0		BRTwb	AG	1453.	1176.	1634.	1015.	0.	12	1		
150				88	2.0	34	1.8	1611	1	3		
1												
0		BRTwb	AG	1356.	1261.	1136.	1520.	34	0.4	0	32	30.
1												
0		BRTwb	AG	1136.	1520.	1006.	1680.	34	0.4	0	32	30.
1												
0		BRTwb	AG	1006.	1680.	449.	2422.	34	0.4	0	32	30.
1.0	04	1000	OY	5	0	72						

JOB: PurpleLine - S10 LOWBRT 2030 PM  
DATE: 12/20/2007 TIME: 07:57:43.80

RUN: PurpleLine S10 LOWBRT 2030 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2875.	3.1	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	2120.	3.1	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1227.4	-86.5	*	1188.	186. AG	153.	100.0	.0	36.0	1.11 60.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	535.	3.1	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1297.2	912.8	*	198.	185. AG	137.	100.0	.0	24.0	.86 10.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2500.	3.1	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2500.	3.1	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1720.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1720.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1955.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1437.7	2522.9	*	1154.	6. AG	162.	100.0	.0	36.0	1.12 58.6
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	360.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1463.1	2688.9	*	1347.	5. AG	71.	100.0	.0	12.0	1.39 68.4
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1955.	3.0	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2270.	3.0	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1715.	3.0	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	788.1	1801.9	*	644.	318. AG	165.	100.0	.0	36.0	1.04 32.7
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	135.	3.0	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1091.6	1500.3	*	217.	319. AG	77.	100.0	.0	12.0	1.05 11.0
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2295.	3.0	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2295.	3.0	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2280.	2.9	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1770.	2.9	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1686.3	947.0	*	329.	133. AG	152.	100.0	.0	36.0	.92 16.7
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	265.	2.9	.0	32.0	
26. 0	650wbL	1426.0	1151.0	2016.2	617.6	*	796.	132. AG	73.	100.0	.0	12.0	1.25 40.4
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2395.	2.9	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2395.	2.9	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	220.	3.1	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	220.	3.1	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	90.	3.0	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	90.	3.0	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	420.	3.0	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	420.	3.0	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	420.	3.0	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	420.	3.0	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	245.	2.9	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	245.	2.9	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	245.	2.9	.0	32.0	
40. 0	BRTeb	339.0	2424.0	992.0	1562.0	*	1081.	143. AG	34.	.4	.0	32.0	
41. 0	BRTeb	992.0	1562.0	1123.0	1405.0	*	204.	140. AG	34.	.4	.0	32.0	
42. 0	BRTeb	1123.0	1405.0	1292.0	1225.0	*	247.	137. AG	34.	.4	.0	32.0	
43. 0	BRTeb	1210.0	1312.0	1197.9	1324.8	*	18.	317. AG	3.	100.0	.0	12.0	.06 .9
44. 0	BRTeb	1292.0	1223.0	1579.0	953.0	*	394.	133. AG	34.	.4	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2030 PM  
DATE: 12/20/2007 TIME: 07:57:43.80

RUN: PurpleLine S10 LOWBRT 2030 PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTeb	1579.0	953.0	1789.0	780.0	*	272.	129. AG	34.	.4	.0	32.0	
46. 0	BRTeb	1789.0	780.0	2728.0	63.0	*	1181.	127. AG	34.	.4	.0	32.0	
47. 0	BRTwb	2730.0	173.0	1701.0	956.0	*	1293.	307. AG	34.	.4	.0	32.0	
48. 0	BRTwb	1701.0	956.0	1356.0	1262.0	*	461.	312. AG	34.	.4	.0	32.0	
49. 0	BRTwb	1453.0	1176.0	1465.2	1165.1	*	16.	132. AG	3.	100.0	.0	12.0	.05 .8
50. 0	BRTwb	1356.0	1261.0	1136.0	1520.0	*	340.	320. AG	34.	.4	.0	32.0	
51. 0	BRTwb	1136.0	1520.0	1006.0	1680.0	*	206.	321. AG	34.	.4	.0	32.0	
52. 0	BRTwb	1006.0	1680.0	449.0	2422.0	*	928.	323. AG	34.	.4	.0	32.0	

JOB: PurpleLine - S10 LOWBRT 2030 PM  
DATE: 12/20/2007 TIME: 07:57:43.80

RUN: PurpleLine S10 LOWBRT 2030 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	89	2.0	2120	1671	32.10	1	3
5. 0	650nbLq	150	119	2.0	535	1717	32.10	1	3
11. 0	650sbTq	150	94	2.0	1955	1678	32.10	1	3
13. 0	650sbLq	150	124	2.0	360	1770	32.10	1	3
17. 0	650ebTq	150	96	2.0	1715	1645	32.10	1	3
19. 0	650ebLq	150	135	2.0	135	1770	32.10	1	3

24. 0	650wbT	*	150	88	2.0	1770	1664	32.10	1	3
26. 0	650wbL	*	150	128	2.0	265	1770	32.10	1	3
43. 0	BRTeb	*	150	95	2.0	34	1770	1.80	1	3
49. 0	BRTwb	*	150	88	2.0	34	1611	1.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.2	1.1	1.0	.5	.7	.7	.7	.0	.1	.2	.4	.6	.7	.7	.5	.6	.5	.2	.0	.0
5. *	1.0	.8	.7	.4	.7	.6	.7	.0	.0	.1	.3	.6	.6	.6	.6	.7	.8	.3	.1	.0
10. *	.7	.7	.7	.5	.6	.6	.7	.0	.0	.0	.2	.4	.5	.5	1.0	.9	1.0	.6	.1	.1
15. *	.4	.4	.5	.3	.6	.6	.6	.0	.0	.0	.2	.3	.3	1.0	1.0	1.1	.7	.1	.1	.1
20. *	.3	.4	.4	.3	.6	.6	.6	.0	.0	.0	.1	.1	.1	1.1	1.0	1.1	.7	.3	.1	.1
25. *	.3	.3	.3	.4	.6	.6	.6	.0	.0	.0	.1	.1	.1	1.1	1.0	1.0	.7	.3	.1	.1
30. *	.1	.2	.2	.4	.6	.6	.6	.0	.0	.0	.1	.1	.1	1.0	1.1	1.1	.7	.4	.1	.1
35. *	.1	.2	.2	.4	.6	.6	.6	.0	.0	.0	.1	.1	.1	.9	1.2	1.1	.7	.4	.1	.1
40. *	.1	.2	.2	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.9	1.0	1.1	.7	.4	.1	.1
45. *	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.9	1.0	1.0	.7	.5	.2	.2
50. *	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.5	.2	.2
55. *	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.4	.2	.2
60. *	.1	.1	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.8	.9	.9	.6	.4	.2	.2
65. *	.0	.1	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.7	.9	.9	.6	.4	.2	.2
70. *	.0	.1	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.7	.8	.8	.6	.4	.2	.2
75. *	.0	.0	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.7	.8	.8	.6	.4	.2	.2
80. *	.0	.0	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.7	.8	.8	.6	.4	.3	.3
85. *	.1	.1	.2	.5	.6	.7	.4	.0	.0	.0	.0	.0	.0	.7	.8	.8	.6	.4	.3	.3
90. *	.1	.1	.1	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3	.3
95. *	.1	.2	.1	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3	.3
100. *	.1	.2	.2	.5	.7	.6	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3	.3
105. *	.1	.2	.2	.4	.7	.6	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3	.3
110. *	.0	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.3	.3	.3
115. *	.0	.1	.2	.5	.6	.5	.6	.1	.2	.0	.0	.0	.0	.7	.8	.8	.6	.4	.3	.3
120. *	.0	.0	.1	.4	.7	.6	.5	.3	.3	.1	.0	.0	.0	.7	.8	.8	.6	.4	.4	.4
125. *	.0	.0	.1	.4	.6	.5	.5	.4	.5	.3	.1	.0	.0	.7	.8	.9	.6	.4	.4	.4
130. *	.0	.0	.0	.2	.5	.5	.5	.6	.8	.6	.2	.0	.0	.8	.9	.9	.6	.6	.4	.4
135. *	.0	.0	.0	.1	.2	.3	.2	.8	.9	.7	.5	.1	.0	.9	.9	.9	.7	.6	.4	.4
140. *	.0	.0	.0	.0	.2	.2	.1	.9	1.0	.9	.6	.3	.0	.0	.9	.9	.7	.6	.4	.4
145. *	.0	.0	.0	.0	.2	.1	.1	.9	1.0	.9	.5	.3	.1	.0	1.0	1.0	1.0	.6	.5	.4
150. *	.0	.0	.0	.0	.0	.0	.1	1.0	1.1	1.0	.5	.3	.1	.0	1.0	1.0	1.0	.7	.4	.6
155. *	.0	.0	.0	.0	.0	.0	.0	.9	1.1	.9	.5	.4	.1	.1	1.0	1.1	1.0	.8	.7	.7
160. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.2	.2	1.0	1.0	1.0	.8	.9	.9
165. *	.2	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.2	.9	.9	1.0	.8	.9	.9	.9
170. *	.2	.2	.2	.0	.0	.0	.0	.9	.9	.8	.4	.5	.5	.2	1.0	1.1	1.2	.6	1.0	.9
175. *	.3	.3	.3	.1	.0	.0	.0	.9	.9	.8	.4	.6	.7	.4	1.0	1.1	1.1	.5	.9	.8
180. *	.5	.5	.5	.2	.0	.0	.0	.9	.9	.9	.5	.5	.5	.4	1.0	1.1	1.0	.5	.9	.8
185. *	.7	.9	.9	.3	.1	.0	.0	.9	1.0	.9	.5	.8	.7	.6	.8	.7	.8	.4	.8	.6
190. *	.9	1.0	1.0	.5	.1	.0	.0	.9	1.0	1.1	.7	.9	.6	.6	.4	.6	.6	.5	.6	.6



195. \* 1.0 1.0 1.0 .5 .1 .1 .0 .9 .9 1.0 .8 .9 .6 .8 .4 .4 .4 .3 .6 .6  
 200. \* 1.0 1.1 1.1 .7 .1 .1 .1 .9 1.0 1.0 .8 .9 .7 .9 .3 .4 .4 .3 .6 .6  
 205. \* 1.1 1.1 1.1 .7 .3 .1 .1 .9 1.2 1.1 .8 .6 .5 .8 .2 .2 .2 .4 .6 .6

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WIND * ANGLE * (DEGR)	CONCENTRATION (PPM)																			
	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210. *	1.0	1.0	1.0	.7	.4	.1	.1	.9	1.2	1.0	.6	.5	.7	.9	.1	.2	.2	.4	.6	.5
215. *	1.0	1.0	1.0	.7	.4	.2	.1	1.0	1.2	1.0	.7	.5	.8	.8	.1	.2	.2	.5	.6	.5
220. *	1.0	1.0	1.0	.7	.4	.2	.1	1.0	1.2	.9	.5	.5	.7	.8	.1	.2	.2	.5	.6	.5
225. *	.9	.9	.9	.7	.4	.2	.1	1.0	1.3	.7	.5	.5	.7	.9	.2	.2	.2	.5	.6	.5
230. *	.8	.8	.8	.7	.4	.2	.1	1.0	1.2	.7	.5	.5	.7	1.0	.2	.2	.2	.5	.6	.5
235. *	.8	.8	.9	.7	.4	.2	.1	1.0	1.2	.7	.4	.4	.9	1.0	.1	.2	.2	.5	.6	.5
240. *	.8	.8	.9	.7	.3	.2	.1	1.0	1.2	.5	.4	.5	.9	1.0	.1	.2	.2	.5	.6	.5
245. *	.8	.8	.9	.7	.3	.2	.1	1.1	1.2	.4	.3	.5	.8	.9	.1	.2	.2	.5	.6	.5
250. *	.7	.7	.8	.7	.4	.2	.1	1.1	1.2	.4	.4	.6	.8	.9	.1	.2	.2	.5	.6	.5
255. *	.7	.7	.9	.7	.4	.2	.1	1.2	1.2	.4	.4	.6	.8	.9	.1	.2	.2	.5	.6	.5
260. *	.7	.7	.9	.7	.3	.2	.1	1.2	1.2	.5	.6	.7	.8	.9	.1	.2	.2	.5	.6	.5
265. *	.7	.7	.9	.7	.3	.2	.1	1.2	1.0	.5	.6	.8	.8	.9	.1	.1	.2	.5	.7	.5
270. *	.7	.7	.9	.7	.3	.3	.1	1.2	1.0	.5	.5	.8	.9	1.0	.1	.2	.2	.5	.8	.6
275. *	.7	.7	.9	.7	.4	.3	.1	1.0	1.0	.5	.5	.9	.9	1.0	.1	.2	.3	.4	.7	.6
280. *	.7	.7	.9	.7	.3	.3	.1	1.0	.9	.5	.5	.8	.9	.9	.1	.2	.3	.3	.7	.7
285. *	.7	.7	.9	.7	.3	.3	.2	.9	.8	.6	.6	.9	.9	.8	.1	.2	.3	.4	.7	.7
290. *	.7	.7	.9	.6	.3	.4	.2	.9	.7	.6	.7	.9	.9	.9	.1	.3	.2	.4	.7	.7
295. *	.7	.7	.9	.5	.4	.4	.3	1.0	.7	.5	.7	.9	.9	.8	.1	.2	.3	.4	.7	.6
300. *	.7	.7	.9	.5	.4	.4	.2	.8	.7	.5	.6	.9	.9	.8	.0	.2	.3	.4	.6	.7
305. *	.8	.9	1.0	.5	.4	.4	.2	.9	.7	.6	.8	.9	1.0	.7	.0	.1	.2	.4	.7	.7
310. *	.8	.9	1.0	.6	.4	.3	.4	.7	.7	.4	.7	.9	.8	.8	.0	.0	.1	.4	.7	.5
315. *	.8	.9	1.0	.5	.4	.4	.5	.7	.6	.6	.7	.8	.8	.8	.0	.0	.1	.4	.6	.5
320. *	.8	.9	1.1	.4	.6	.5	.7	.5	.6	.5	.7	.8	.8	.8	.0	.0	.0	.2	.6	.5
325. *	.9	1.1	1.1	.7	.6	.7	.7	.4	.3	.4	.6	.8	.8	.8	.0	.0	.0	.0	.4	.3
330. *	1.1	1.2	1.2	.7	.9	.8	.8	.3	.3	.3	.6	.8	.8	.8	.0	.0	.0	.0	.3	.2
335. *	1.2	1.3	1.2	.5	.8	.9	.8	.2	.2	.5	.6	.8	.8	.8	.0	.0	.0	.0	.1	.2
340. *	1.2	1.3	1.2	.6	.8	.9	.9	.2	.3	.5	.6	.8	.9	.9	.0	.0	.0	.0	.1	.1
345. *	1.2	1.3	1.4	.5	.9	.9	.8	.2	.3	.4	.6	.8	.9	1.0	.1	.1	.1	.0	.1	.0
350. *	1.2	1.2	1.2	.6	.9	.9	.7	.1	.2	.4	.6	.9	.9	.9	.1	.1	.1	.0	.0	.0
355. *	1.1	1.2	1.2	.6	.8	.8	.8	.1	.2	.3	.5	.8	.9	.9	.3	.3	.3	.1	.0	.0
360. *	1.2	1.1	1.0	.5	.7	.7	.7	.0	.1	.2	.4	.6	.7	.7	.5	.6	.5	.2	.0	.0
MAX	1.2	1.3	1.4	.7	.9	.9	.9	1.2	1.3	1.1	.8	.9	1.0	1.0	1.1	1.2	1.2	.8	1.0	.9
DEGR.	0	335	345	200	330	335	340	255	225	190	195	190	305	230	20	35	170	155	170	160

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * ANGLE * (DEGR)	CONCENTRATION (PPM)							
	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	.0	.8	.9	.7	.6	.5	.4	.3
5. *	.0	.7	.8	.8	.4	.8	.4	.4
10. *	.0	.7	.8	.8	.7	.8	.6	.4
15. *	.0	.8	.8	1.0	.8	.9	.5	.5
20. *	.1	.8	.8	1.1	.7	.9	.4	.6
25. *	.1	.8	.9	1.1	.7	.8	.4	.7
30. *	.1	.8	1.1	1.1	.7	.3	.5	.6
35. *	.1	.8	1.1	1.0	.6	.2	.6	.7
40. *	.1	.8	1.1	1.0	.5	.2	.5	.7
45. *	.1	1.0	1.1	.9	.5	.3	.5	.8
50. *	.1	1.0	1.1	.7	.4	.3	.6	.9
55. *	.1	.9	1.1	.6	.4	.3	.6	.9
60. *	.1	.9	1.0	.6	.3	.3	.8	.9
65. *	.2	.9	1.0	.6	.3	.3	.8	.9
70. *	.2	.9	1.0	.4	.3	.4	.8	.9
75. *	.2	.9	1.0	.4	.2	.5	.8	.9
80. *	.2	1.0	1.0	.3	.4	.5	.9	.8
85. *	.2	1.0	1.0	.3	.3	.5	.9	.8
90. *	.2	1.1	1.1	.3	.4	.6	.9	.8
95. *	.2	1.1	.9	.4	.5	.7	.9	.7
100. *	.2	1.1	.9	.4	.5	.7	.9	.7
105. *	.2	1.0	.7	.6	.5	.7	.8	.8
110. *	.2	1.0	.7	.6	.6	.7	.9	.8
115. *	.2	.9	.9	.6	.6	.9	.9	.8
120. *	.3	.9	.8	.7	.7	.8	.8	.6
125. *	.3	.8	.7	.7	.9	.7	.8	.6
130. *	.2	.7	.6	.5	.7	.6	.7	.6
135. *	.3	.4	.6	.5	.5	.6	.7	.6
140. *	.2	.3	.6	.6	.5	.6	.7	.5
145. *	.4	.4	.3	.4	.6	.6	.7	.5
150. *	.6	.4	.4	.4	.6	.6	.6	.5

155.	*	.8	.2	.4	.4	.5	.6	.6	.6
160.	*	.8	.2	.3	.4	.5	.6	.6	.6
165.	*	.8	.2	.3	.5	.5	.6	.6	.7
170.	*	.8	.1	.2	.3	.5	.6	.5	.7
175.	*	.7	.1	.2	.2	.4	.4	.5	.6
180.	*	.6	.0	.1	.2	.2	.4	.5	.5
185.	*	.5	.0	.0	.1	.2	.2	.3	.3
190.	*	.5	.0	.0	.0	.0	.2	.2	.3
195.	*	.5	.0	.0	.0	.0	.0	.1	.2
200.	*	.5	.0	.0	.0	.0	.0	.0	.1
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.5	.0	.0	.0	.0	.0	.0	.0
235.	*	.5	.0	.0	.0	.0	.0	.0	.0
240.	*	.5	.0	.0	.0	.0	.0	.0	.0
245.	*	.5	.0	.0	.0	.0	.0	.0	.0
250.	*	.5	.0	.0	.0	.0	.0	.0	.0
255.	*	.5	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.5	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.0	.0	.0	.0	.0	.0	.0
275.	*	.5	.0	.0	.0	.0	.0	.0	.0
280.	*	.5	.0	.0	.0	.0	.0	.0	.0
285.	*	.6	.0	.0	.0	.0	.0	.0	.0
290.	*	.6	.0	.0	.0	.0	.0	.0	.0
295.	*	.6	.0	.0	.0	.0	.0	.0	.0
300.	*	.6	.1	.0	.0	.0	.0	.0	.0
305.	*	.6	.2	.1	.1	.0	.0	.0	.0
310.	*	.5	.3	.3	.1	.1	.0	.0	.0
315.	*	.5	.4	.4	.3	.1	.1	.0	.0
320.	*	.4	.7	.5	.3	.2	.1	.0	.0
325.	*	.4	.8	.7	.6	.3	.2	.1	.0
330.	*	.1	.9	.8	.6	.3	.3	.1	.1
335.	*	.1	1.0	1.0	.8	.6	.3	.1	.1
340.	*	.0	1.1	1.0	.8	.5	.4	.1	.1
345.	*	.0	.9	1.1	.8	.6	.4	.2	.1
350.	*	.0	.8	1.0	.8	.5	.3	.2	.1
355.	*	.0	.8	1.0	.8	.5	.4	.4	.3
360.	*	.0	.8	.9	.7	.6	.5	.4	.3
MAX	*	.8	1.1	1.1	1.1	.9	.9	.9	.9
DEGR.	*	155	90	30	20	125	15	80	50

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 345 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 225 DEGREES FROM REC9 .

S10 HIGHBRT 2030AM				60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0			
SE 164 S	1349.	856.	5.0			
SE 82 S	1357.	938.	5.0			
SE CNR	1401.	1043.	5.0			
SE 82 E	1485.	981.	5.0			
SE 164 E	1546.	926.	5.0			
SE MID E	1608.	872.	5.0			
NE MID E	1582.	1083.	5.0			
NE 164 E	1521.	1138.	5.0			
NE 82 E	1466.	1200.	5.0			
NE CNR	1422.	1281.	5.0			
NE 82 N	1402.	1367.	5.0			
NE 164 N	1402.	1449.	5.0			
NE MID N	1409.	1531.	5.0			
NW MID N	1317.	1719.	5.0			
NW 164 N	1310.	1638.	5.0			
NW 82 N	1302.	1555.	5.0			
NW CNR	1267.	1462.	5.0			
NW 82 W	1178.	1495.	5.0			
NW 164 W	1126.	1560.	5.0			
NW MIDW	1075.	1624.	5.0			
SW MID W	1062.	1408.	5.0			
SW 164 W	1113.	1342.	5.0			
SW 82 W	1160.	1272.	5.0			
SW CNR	1206.	1204.	5.0			
SW 82 S	1226.	1123.	5.0			
SW 164 S	1237.	1038.	5.0			
SW MID S	1237.	955.	5.0			
SITE 10 HIGHBRT 2030AM		52	1	0		
1						
0	650nbAP	AG	1236.	15.	1271.	361.
1						
0	650nbT	AG	1271.	361.	1355.	1221.
2						
0	650nbTq	AG	1343.	1096.	1304.	697.
150		85	2.0	950	32.1	1675 1 3
1						
0	650nbL	AG	1247.	388.	1329.	1246.
2						
0	650nbLq	AG	1316.	1110.	1277.	702.
150		126	2.0	300	32.1	1717 1 3
1						
0	650nbD	AG	1356.	1220.	1420.	2001.
1						
0	650nbD	AG	1420.	2001.	1507.	2421.
1						
0	650sbAP	AG	1463.	2422.	1386.	2066.
1						
0	650sbAP	AG	1386.	2066.	1350.	1713.
1						
0	650sbT	AG	1351.	1713.	1306.	1295.
2						
0	650sbTq	AG	1315.	1375.	1349.	1693.
150		78	2.0	2250	32.1	1673 1 3
1						
0	650sbL	AG	1372.	1706.	1331.	1273.
2						
0	650sbLq	AG	1338.	1348.	1370.	1691.
150		120	2.0	210	32.1	1770 1 3
1						
0	650sbD	AG	1306.	1294.	1178.	15.
1						
0	193wbAP	AG	2729.	161.	1679.	955.
1						
0	193wbT	AG	1679.	954.	1336.	1269.
2						
0	650wbT	AG	1444.	1170.	1670.	962.
150		95	2.0	1430	32.1	1655 1 3
1						
0	193wbL	AG	1649.	949.	1334.	1233.
2						
0	650wbL	AG	1426.	1151.	1644.	954.
150		130	2.0	210	32.1	1770 1 3
1						
0	193wbD	AG	1336.	1269.	1001.	1661.
1						
0	193wbD	AG	1001.	1661.	429.	2424.
1						
0	650nbR	AG	1297.	505.	1350.	1048.
1						
0	650nbR	AG	1353.	1047.	1426.	1070.
1						
0	650sbR	AG	1334.	1706.	1311.	1458.
1						
0	650sbR	AG	1311.	1458.	1212.	1415.
1						
0	193wbR	AG	1666.	987.	1450.	1178.
1						
0	193wbR	AG	1450.	1178.	1402.	1274.
1						
0	193wbR	AG	1402.	1274.	1371.	1385.
1						
0	193ebAP	AG	321.	2423.	1023.	1497.
1						

0		193ebT	AG	1024.	1497.	1300.	1181.	1090	3.0	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150	101			2.0	1090	32.1	1611	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	100	3.0	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150	136			2.0	100	32.1	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	535	3.0	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	535	3.0	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	535	3.0	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	1380	3.0	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	1380	3.0	0	56	30.
1												
0		BRTeb	AG	375.	2423.	892.	1734.	34	0.4	15	32	30.
1												
0		BRTeb	AG	892.	1734.	1038.	1547.	34	0.4	15	32	30.
1												
0		BRTeb	AG	1038.	1547.	1337.	1199.	34	0.4	15	32	30.
1												
0		BRTeb	AG	1337.	1199.	1613.	940.	34	0.4	15	32	30.
1												
0		BRTeb	AG	1614.	940.	1803.	786.	34	0.4	15	32	30.
1												
0		BRTeb	AG	1803.	786.	2730.	80.	34	0.4	15	32	30.
1												
0		BRTwb	AG	2731.	98.	1990.	660.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1990.	660.	1665.	916.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1665.	916.	1543.	1020.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1543.	1020.	1403.	1151.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1403.	1151.	1232.	1344.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1232.	1344.	1066.	1531.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1066.	1531.	841.	1824.	34	0.4	15	32	30.
1												
0		BRTwb	AG	841.	1824.	391.	2423.	34	0.4	15	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHBRT 2030AM

RUN: SITE 10 HIGHBRT 2030AM

DATE: 12/20/2007 TIME: 08:55:32.01

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1330.	3.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	950.	3.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1328.7	949.8	*	147.	186. AG	146.	100.0	.0	36.0	.46 7.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	300.	3.0	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1219.7	102.7	*	1012.	185. AG	72.	100.0	.0	12.0	1.32 51.4
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1320.	3.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1320.	3.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2670.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2670.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	2250.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1361.5	1810.3	*	438.	6. AG	134.	100.0	.0	36.0	.99 22.2
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	210.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1350.9	1485.8	*	138.	5. AG	69.	100.0	.0	12.0	.69 7.0
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2995.	3.0	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1910.	3.0	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1430.	3.0	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1637.6	991.8	*	263.	133. AG	164.	100.0	.0	36.0	.85 13.4
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	210.	3.0	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1752.6	855.8	*	440.	132. AG	75.	100.0	.0	12.0	1.12 22.4
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1940.	3.0	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1940.	3.0	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	80.	3.0	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	80.	3.0	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	210.	3.0	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	210.	3.0	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	270.	3.0	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	270.	3.0	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	270.	3.0	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	1725.	3.0	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	1090.	3.0	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	1060.8	1453.7	*	200.	319. AG	174.	100.0	.0	36.0	.75 10.2
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	100.	3.0	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1156.0	1387.7	*	93.	320. AG	78.	100.0	.0	12.0	.85 4.7
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	535.	3.0	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	535.	3.0	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	535.	3.0	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	1380.	3.0	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	1380.	3.0	.0	56.0	
39. 0	BRTeb	375.0	2423.0	892.0	1734.0	*	861.	143. AG	34.	.4	15.0	32.0	
40. 0	BRTeb	892.0	1734.0	1038.0	1547.0	*	237.	142. AG	34.	.4	15.0	32.0	
41. 0	BRTeb	1038.0	1547.0	1337.0	1199.0	*	459.	139. AG	34.	.4	15.0	32.0	
42. 0	BRTeb	1337.0	1199.0	1613.0	940.0	*	378.	133. AG	34.	.4	15.0	32.0	
43. 0	BRTeb	1614.0	940.0	1803.0	786.0	*	244.	129. AG	34.	.4	15.0	32.0	
44. 0	BRTeb	1803.0	786.0	2730.0	80.0	*	1165.	127. AG	34.	.4	15.0	32.0	

JOB: S10 HIGHBRT 2030AM

RUN: SITE 10 HIGHBRT 2030AM

DATE: 12/20/2007 TIME: 08:55:32.01

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTwb	2731.0	98.0	1990.0	660.0	*	930.	307. AG	34.	.4	15.0	32.0	
46. 0	BRTwb	1990.0	660.0	1665.0	916.0	*	414.	308. AG	34.	.4	15.0	32.0	
47. 0	BRTwb	1665.0	916.0	1543.0	1020.0	*	160.	310. AG	34.	.4	15.0	32.0	
48. 0	BRTwb	1543.0	1020.0	1403.0	1151.0	*	192.	313. AG	34.	.4	15.0	32.0	
49. 0	BRTwb	1403.0	1151.0	1232.0	1344.0	*	258.	318. AG	34.	.4	15.0	32.0	
50. 0	BRTwb	1232.0	1344.0	1066.0	1531.0	*	250.	318. AG	34.	.4	15.0	32.0	
51. 0	BRTwb	1066.0	1531.0	841.0	1824.0	*	369.	322. AG	34.	.4	15.0	32.0	
52. 0	BRTwb	841.0	1824.0	391.0	2423.0	*	749.	323. AG	34.	.4	15.0	32.0	

JOB: S10 HIGHBRT 2030AM

RUN: SITE 10 HIGHBRT 2030AM

DATE: 12/20/2007 TIME: 08:55:32.01

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	85	2.0	950	1675	32.10	1	3
5. 0	650nbLq	150	126	2.0	300	1717	32.10	1	3
11. 0	650sbTq	150	78	2.0	2250	1673	32.10	1	3
13. 0	650sbLq	150	120	2.0	210	1770	32.10	1	3
17. 0	650wbT	150	95	2.0	1430	1655	32.10	1	3
19. 0	650wbL	150	130	2.0	210	1770	32.10	1	3

31. 0	193ebTQ	*	150	101	2.0	1090	1611	32.10	1	3
33. 0	193ebLQ	*	150	136	2.0	100	1770	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

1

JOB: S10 HIGHBRT 2030AM

RUN: SITE 10 HIGHBRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.4	.5	.6	.4	.5	.5	.5	.0	.0	.0	.2	.3	.4	.4	.2	.3	.4	.1	.0	.0
5. *	.3	.4	.4	.3	.5	.5	.4	.0	.0	.0	.1	.2	.3	.4	.3	.4	.5	.3	.0	.0
10. *	.2	.2	.3	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.1	.4	.5	.6	.4	.0	.0
15. *	.2	.2	.2	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.1	.5	.6	.8	.4	.0	.0
20. *	.1	.2	.2	.3	.5	.5	.4	.0	.0	.0	.0	.1	.1	.1	.6	.8	.8	.5	.1	.0
25. *	.1	.1	.1	.4	.5	.5	.3	.0	.0	.0	.0	.1	.0	.7	.9	.9	.5	.2	.0	.0
30. *	.1	.1	.1	.4	.5	.5	.2	.0	.0	.0	.0	.0	.0	.7	.8	1.0	.6	.2	.1	.1
35. *	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.7	.8	.9	.6	.2	.1	.1
40. *	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.8	.8	.7	.6	.2	.2	.2
45. *	.1	.1	.1	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.8	.8	.7	.6	.2	.2	.2
50. *	.1	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.8	.7	.7	.6	.2	.1	.1
55. *	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1	.1
60. *	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1	.1
65. *	.0	.1	.1	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1	.1
70. *	.0	.0	.1	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
75. *	.0	.0	.1	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.5	.2	.2	.2
80. *	.0	.0	.1	.5	.4	.2	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.5	.2	.2	.2
85. *	.0	.0	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.6	.2	.2	.2
90. *	.0	.0	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
95. *	.0	.0	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
100. *	.0	.0	.1	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
105. *	.0	.0	.1	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
110. *	.0	.0	.1	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
115. *	.0	.0	.0	.3	.4	.3	.3	.0	.1	.0	.0	.0	.0	.7	.7	.7	.6	.3	.2	.2
120. *	.0	.0	.0	.2	.4	.3	.3	.3	.3	.1	.0	.0	.0	.7	.7	.7	.7	.3	.3	.3
125. *	.0	.0	.0	.2	.3	.3	.3	.3	.4	.3	.0	.0	.0	.7	.7	.7	.7	.3	.3	.3
130. *	.0	.0	.0	.1	.2	.2	.2	.3	.4	.4	.1	.0	.0	.7	.7	.7	.6	.3	.3	.3
135. *	.0	.0	.0	.1	.1	.2	.1	.4	.7	.6	.2	.0	.0	.7	.7	.7	.7	.5	.4	.4
140. *	.0	.0	.0	.0	.1	.1	.1	.7	.8	.7	.4	.1	.0	.7	.7	.7	.7	.4	.2	.2
145. *	.0	.0	.0	.0	.1	.0	.0	.9	.9	.7	.4	.1	.1	.0	.7	.7	.7	.6	.5	.2
150. *	.0	.0	.0	.0	.0	.0	.0	.8	.9	.8	.4	.1	.1	.0	.7	.8	1.0	.6	.4	.4
155. *	.0	.0	.0	.0	.0	.0	.0	.8	.9	.8	.4	.3	.1	.1	.7	.8	1.0	.5	.4	.5
160. *	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.4	.2	.1	.1	.8	.9	1.0	.4	.4	.5
165. *	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.4	.2	.1	.1	.8	.8	.9	.4	.5	.5
170. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.8	.9	1.0	.3	.5	.5
175. *	.1	.1	.1	.0	.0	.0	.0	.9	1.0	.8	.2	.2	.2	.2	.9	.9	.7	.4	.4	.5
180. *	.1	.2	.2	.0	.0	.0	.0	.8	.9	.7	.2	.3	.2	.2	.6	.7	.6	.4	.4	.5
185. *	.3	.3	.3	.1	.0	.0	.0	.8	.8	.7	.4	.5	.2	.3	.6	.5	.6	.2	.5	.4
190. *	.3	.3	.3	.3	.0	.0	.0	.8	.8	.8	.5	.6	.4	.3	.5	.5	.5	.2	.4	.4
195. *	.3	.3	.4	.3	.0	.0	.0	.8	.8	.9	.5	.7	.4	.4	.3	.3	.4	.2	.4	.4
200. *	.4	.4	.4	.4	.1	.0	.0	.8	.9	.9	.5	.4	.3	.6	.3	.4	.4	.2	.4	.4

205. \* .4 .4 .4 .4 .1 .1 .0 .9 .9 .9 .6 .3 .4 .6 .1 .3 .3 .2 .4 .3  
1

JOB: S10 HIGHBRT 2030AM

RUN: SITE 10 HIGHBRT 2030AM

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WIND	* CONCENTRATION																				
ANGLE	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.4	.4	.4	.4	.2	.1	.0	.9	1.0	.9	.5	.3	.5	.6	.1	.1	.2	.2	.4	.3
215.	*	.4	.4	.4	.4	.2	.1	.1	.9	1.0	.8	.3	.2	.6	.6	.1	.1	.2	.2	.4	.3
220.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.1	.7	.2	.3	.7	.6	.1	.1	.2	.2	.4	.3
225.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.0	.6	.2	.3	.6	.7	.0	.2	.2	.3	.4	.2
230.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.0	.5	.3	.4	.5	.6	.0	.2	.2	.3	.4	.2
235.	*	.4	.4	.4	.5	.1	.1	.1	.9	1.0	.5	.3	.4	.6	.5	.0	.0	.2	.3	.4	.2
240.	*	.4	.4	.4	.5	.1	.1	.1	.9	1.0	.3	.3	.4	.7	.5	.0	.0	.2	.3	.4	.2
245.	*	.4	.4	.4	.6	.1	.1	.1	1.0	1.0	.2	.3	.3	.7	.5	.0	.0	.2	.3	.3	.2
250.	*	.4	.4	.4	.6	.1	.1	.1	1.0	1.0	.2	.3	.4	.7	.5	.0	.0	.2	.2	.3	.3
255.	*	.4	.4	.4	.6	.2	.1	.1	1.0	1.0	.2	.3	.4	.7	.5	.0	.0	.1	.2	.3	.3
260.	*	.4	.4	.4	.6	.2	.1	.1	1.0	1.0	.2	.3	.5	.7	.4	.0	.0	.1	.2	.3	.3
265.	*	.4	.4	.4	.6	.2	.1	.1	1.1	1.0	.2	.3	.6	.7	.4	.0	.0	.1	.2	.2	.3
270.	*	.4	.4	.5	.6	.2	.1	.1	1.1	1.0	.2	.4	.6	.7	.4	.0	.0	.1	.2	.2	.3
275.	*	.3	.3	.4	.6	.2	.2	.1	1.1	.9	.2	.4	.6	.7	.4	.0	.0	.1	.2	.2	.3
280.	*	.3	.4	.5	.6	.2	.2	.1	1.1	.9	.2	.4	.6	.6	.4	.0	.0	.1	.1	.3	.3
285.	*	.4	.4	.5	.5	.2	.2	.1	1.0	.8	.3	.4	.6	.6	.4	.0	.0	.0	.1	.3	.3
290.	*	.4	.4	.6	.5	.2	.2	.2	.9	.7	.3	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
295.	*	.4	.4	.6	.5	.2	.2	.2	.9	.8	.4	.4	.6	.5	.4	.0	.1	.0	.2	.4	.3
300.	*	.4	.4	.7	.4	.3	.3	.3	.7	.7	.3	.4	.6	.5	.4	.0	.1	.1	.2	.4	.4
305.	*	.4	.4	.7	.4	.3	.3	.3	.6	.6	.4	.5	.6	.4	.4	.0	.0	.1	.2	.4	.4
310.	*	.4	.4	.7	.6	.3	.3	.2	.5	.5	.5	.4	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.4	.4	.8	.5	.3	.3	.2	.3	.3	.5	.4	.5	.4	.4	.0	.0	.0	.2	.4	.4
320.	*	.4	.4	.8	.5	.3	.3	.3	.2	.4	.4	.5	.5	.4	.4	.0	.0	.0	.1	.3	.3
325.	*	.4	.4	.8	.6	.3	.3	.3	.3	.3	.4	.4	.5	.5	.5	.0	.0	.0	.0	.3	.2
330.	*	.4	.5	.9	.6	.2	.3	.5	.1	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.4	.5	1.0	.4	.3	.5	.6	.1	.2	.3	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1
340.	*	.4	.5	.9	.5	.5	.6	.6	.1	.1	.3	.4	.5	.5	.6	.0	.0	.0	.0	.1	.0
345.	*	.5	.6	.7	.4	.6	.7	.6	.0	.1	.3	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0
350.	*	.4	.5	.8	.4	.6	.6	.6	.0	.1	.2	.3	.5	.6	.6	.1	.0	.2	.0	.0	.0
355.	*	.4	.6	.7	.4	.5	.5	.5	.0	.0	.1	.2	.4	.5	.4	.1	.2	.3	.0	.0	.0
360.	*	.4	.5	.6	.4	.5	.5	.5	.0	.0	.0	.2	.3	.4	.4	.2	.3	.4	.1	.0	.0
MAX	*	.5	.6	1.0	.6	.6	.7	.6	1.1	1.1	.9	.6	.7	.7	.7	.9	.9	1.0	.7	.5	.5
DEGR.	*	345	345	335	245	345	345	335	265	220	195	205	195	220	225	175	170	30	120	135	155

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JOB: S10 HIGHBRT 2030AM

RUN: SITE 10 HIGHBRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	(PPM)							
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.6	.7	.8	.4	.5	.3
5.	*	.0	.7	.7	.8	.5	.5	.4
10.	*	.0	.7	.7	.8	.6	.6	.5
15.	*	.0	.7	.7	.9	.5	.6	.5
20.	*	.0	.7	.7	.9	.5	.7	.7
25.	*	.0	.8	.8	.9	.4	.5	.4
30.	*	.0	.8	.9	.9	.5	.6	.4
35.	*	.0	.9	.9	.9	.5	.4	.3
40.	*	.0	.9	1.0	.8	.6	.3	.3
45.	*	.1	.9	1.1	.8	.5	.3	.3
50.	*	.1	.9	1.1	.7	.4	.3	.4
55.	*	.1	.9	1.1	.6	.2	.3	.6
60.	*	.1	.9	1.0	.6	.2	.3	.5
65.	*	.1	1.0	1.0	.5	.2	.3	.5
70.	*	.1	1.0	1.1	.4	.2	.4	.5
75.	*	.1	1.0	1.1	.4	.3	.5	.6
80.	*	.1	1.0	1.1	.3	.3	.5	.6
85.	*	.1	1.0	1.0	.4	.4	.5	.6
90.	*	.1	1.1	1.0	.3	.5	.5	.7
95.	*	.1	1.0	.9	.3	.5	.6	.6
100.	*	.2	.9	.9	.3	.6	.7	.6
105.	*	.2	1.0	.8	.5	.5	.7	.5
110.	*	.1	1.0	.7	.5	.4	.7	.5
115.	*	.1	1.0	.8	.5	.5	.7	.5
120.	*	.2	1.0	.7	.5	.4	.6	.5
125.	*	.2	.9	.6	.5	.5	.6	.4
130.	*	.2	.7	.6	.5	.4	.6	.4
135.	*	.3	.5	.4	.4	.5	.6	.5
140.	*	.2	.5	.4	.3	.4	.5	.5
145.	*	.2	.4	.3	.2	.5	.5	.5
150.	*	.4	.3	.1	.2	.5	.5	.4
155.	*	.5	.2	.1	.3	.5	.5	.5
160.	*	.5	.1	.1	.2	.5	.5	.5

165.	*	.4	.1	.1	.2	.4	.4	.4	.6
170.	*	.4	.1	.1	.2	.4	.3	.4	.5
175.	*	.4	.1	.1	.1	.3	.3	.4	.5
180.	*	.3	.0	.1	.1	.2	.3	.4	.5
185.	*	.3	.0	.0	.1	.1	.2	.3	.4
190.	*	.3	.0	.0	.0	.1	.1	.2	.2
195.	*	.2	.0	.0	.0	.0	.1	.1	.2
200.	*	.2	.0	.0	.0	.0	.0	.1	.1
205.	*	.2	.0	.0	.0	.0	.0	.0	.1

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JOB: S10 HIGHBRT 2030AM

RUN: SITE 10 HIGHBRT 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.2	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.3	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.1	.1	.0	.0	.0	.0
315.	*	.4	.2	.3	.1	.1	.0	.0	.0
320.	*	.3	.2	.4	.3	.1	.1	.0	.0
325.	*	.2	.5	.4	.4	.5	.1	.0	.0
330.	*	.1	.5	.6	.6	.5	.1	.1	.0
335.	*	.1	.6	.7	.6	.4	.1	.1	.0
340.	*	.0	.6	.6	.7	.5	.2	.1	.1
345.	*	.0	.6	.7	.7	.5	.3	.1	.1
350.	*	.0	.7	.7	.7	.5	.4	.1	.2
355.	*	.0	.6	.7	.7	.5	.4	.3	.2
360.	*	.0	.6	.7	.8	.4	.5	.3	.3
MAX	*	.5	1.1	1.1	.9	.6	.7	.7	.7
DEGR.	*	155	90	45	15	10	20	20	45

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 265 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 220 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 90 DEGREES FROM REC22.



S10 HIGHBRT 2030PM			60.0321.0.0000.000280.30480000	1	1
SE MID S	1341.	775.	5.0		
SE 164 S	1349.	856.	5.0		
SE 82 S	1357.	938.	5.0		
SE CNR	1401.	1043.	5.0		
SE 82 E	1485.	981.	5.0		
SE 164 E	1546.	926.	5.0		
SE MID E	1608.	872.	5.0		
NE MID E	1582.	1083.	5.0		
NE 164 E	1521.	1138.	5.0		
NE 82 E	1466.	1200.	5.0		
NE CNR	1422.	1281.	5.0		
NE 82 N	1402.	1367.	5.0		
NE 164 N	1402.	1449.	5.0		
NE MID N	1409.	1531.	5.0		
NW MID N	1317.	1719.	5.0		
NW 164 N	1310.	1638.	5.0		
NW 82 N	1302.	1555.	5.0		
NW CNR	1267.	1462.	5.0		
NW 82 W	1178.	1495.	5.0		
NW 164 W	1126.	1560.	5.0		
NW MIDW	1075.	1624.	5.0		
SW MID W	1062.	1408.	5.0		
SW 164 W	1113.	1342.	5.0		
SW 82 W	1160.	1272.	5.0		
SW CNR	1206.	1204.	5.0		
SW 82 S	1226.	1123.	5.0		
SW 164 S	1237.	1038.	5.0		
SW MID S	1237.	955.	5.0		
SITE 10 HIGHBRT 2030PM		52	1	0	
1					
0	650nbAP	AG	1236.	15.	1271. 361. 2875 3.1 0 56 30.
1					
0	650nbT	AG	1271.	361.	1355. 1221. 2120 3.1 0 56 30.
2					
0	650nbTq	AG	1343.	1096.	1304. 697. 0. 36 3
150		89	2.0	2120	32.1 1671 1 3
1					
0	650nbL	AG	1247.	388.	1329. 1246. 535 3.1 0 32 30.
2					
0	650nbLq	AG	1316.	1110.	1277. 702. 0. 12 1
150		119	2.0	535	32.1 1717 1 3
1					
0	650nbD	AG	1356.	1220.	1420. 2001. 2500 3.1 0 56 30.
1					
0	650nbD	AG	1420.	2001.	1507. 2421. 2500 3.1 0 56 30.
1					
0	650sbAP	AG	1463.	2422.	1386. 2066. 1720 3.0 0 56 30.
1					
0	650sbAP	AG	1386.	2066.	1350. 1713. 1720 3.0 0 56 30.
1					
0	650sbT	AG	1351.	1713.	1306. 1295. 1270 3.0 0 56 30.
2					
0	650sbTq	AG	1315.	1375.	1349. 1693. 0. 36 3
150		94	2.0	1270	32.1 1678 1 3
1					
0	650sbL	AG	1372.	1706.	1331. 1273. 360 3.0 0 32 30.
2					
0	650sbLq	AG	1338.	1348.	1370. 1691. 0. 12 1
150		124	2.0	360	32.1 1770 1 3
1					
0	650sbD	AG	1306.	1294.	1178. 15. 1955 3.0 0 56 30.
1					
0	193wbAP	AG	2729.	161.	1679. 955. 2280 2.9 0 56 30.
1					
0	193wbT	AG	1679.	954.	1336. 1269. 1770 2.9 0 56 30.
2					
0	650wbT	AG	1444.	1170.	1670. 962. 0. 36 3
150		88	2.0	1770	32.1 1664 1 3
1					
0	193wbL	AG	1649.	949.	1334. 1233. 265 2.9 0 32 30.
2					
0	650wbL	AG	1426.	1151.	1644. 954. 0. 12 1
150		128	2.0	265	32.1 1770 1 3
1					
0	193wbD	AG	1336.	1269.	1001. 1661. 2395 2.9 0 56 30.
1					
0	193wbD	AG	1001.	1661.	429. 2424. 2395 2.9 0 56 30.
1					
0	650nbR	AG	1297.	505.	1350. 1048. 220 3.1 0 32 30.
1					
0	650nbR	AG	1353.	1047.	1426. 1070. 220 3.1 0 32 30.
1					
0	650sbR	AG	1334.	1706.	1311. 1458. 90 3.1 0 32 30.
1					
0	650sbR	AG	1311.	1458.	1212. 1415. 90 3.1 0 32 30.
1					
0	193wbR	AG	1666.	987.	1450. 1178. 245 2.9 0 32 30.
1					
0	193wbR	AG	1450.	1178.	1402. 1274. 245 2.9 0 32 30.
1					
0	193wbR	AG	1402.	1274.	1371. 1385. 245 2.9 0 32 30.
1					
0	193ebAP	AG	321.	2423.	1023. 1497. 2270 3.0 0 56 30.
1					

0		193ebT	AG	1024.	1497.	1300.	1181.	1715	3.0	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150			95	2.0	1715	32.1	1645	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	135	3.0	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150			135	2.0	135	32.1	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	420	3.0	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	420	3.0	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	420	3.0	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	2295	3.0	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	2295	3.0	0	56	30.
1												
0		BRTeb	AG	375.	2423.	892.	1734.	34	0.4	15	32	30.
1												
0		BRTeb	AG	892.	1734.	1038.	1547.	34	0.4	15	32	30.
1												
0		BRTeb	AG	1038.	1547.	1337.	1199.	34	0.4	15	32	30.
1												
0		BRTeb	AG	1337.	1199.	1613.	940.	34	0.4	15	32	30.
1												
0		BRTeb	AG	1614.	940.	1803.	786.	34	0.4	15	32	30.
1												
0		BRTeb	AG	1803.	786.	2730.	80.	34	0.4	15	32	30.
1												
0		BRTwb	AG	2731.	98.	1990.	660.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1990.	660.	1665.	916.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1665.	916.	1543.	1020.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1543.	1020.	1403.	1151.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1403.	1151.	1232.	1344.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1232.	1344.	1066.	1531.	34	0.4	15	32	30.
1												
0		BRTwb	AG	1066.	1531.	841.	1824.	34	0.4	15	32	30.
1												
0		BRTwb	AG	841.	1824.	391.	2423.	34	0.4	15	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHBRT 2030PM

RUN: SITE 10 HIGHBRT 2030PM

DATE: 12/20/2007 TIME: 09:09:55.00

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2875.	3.1	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	2120.	3.1	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1227.4	-86.5	*	1188.	186. AG	153.	100.0	.0	36.0	1.11 60.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	535.	3.1	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1057.2	-1597.8	*	2720.	185. AG	68.	100.0	.0	12.0	1.73 138.2
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2500.	3.1	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2500.	3.1	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1720.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1720.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1270.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1338.1	1591.2	*	217.	6. AG	162.	100.0	.0	36.0	.73 11.0
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	360.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1463.1	2688.9	*	1347.	5. AG	71.	100.0	.0	12.0	1.39 68.4
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1955.	3.0	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2280.	2.9	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1770.	2.9	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1686.3	947.0	*	329.	133. AG	152.	100.0	.0	36.0	.92 16.7
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	265.	2.9	.0	32.0	
19. 0	650wbL	1426.0	1151.0	2016.2	617.6	*	796.	132. AG	73.	100.0	.0	12.0	1.25 40.4
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2395.	2.9	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2395.	2.9	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	220.	3.1	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	220.	3.1	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	90.	3.1	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	90.	3.1	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	245.	2.9	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	245.	2.9	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	245.	2.9	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	2270.	3.0	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	1715.	3.0	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	842.4	1702.8	*	532.	319. AG	164.	100.0	.0	36.0	1.02 27.0
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	135.	3.0	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1075.8	1482.1	*	217.	320. AG	77.	100.0	.0	12.0	1.05 11.0
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	420.	3.0	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	420.	3.0	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	420.	3.0	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	2295.	3.0	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	2295.	3.0	.0	56.0	
39. 0	BRTeb	375.0	2423.0	892.0	1734.0	*	861.	143. AG	34.	.4	15.0	32.0	
40. 0	BRTeb	892.0	1734.0	1038.0	1547.0	*	237.	142. AG	34.	.4	15.0	32.0	
41. 0	BRTeb	1038.0	1547.0	1337.0	1199.0	*	459.	139. AG	34.	.4	15.0	32.0	
42. 0	BRTeb	1337.0	1199.0	1613.0	940.0	*	378.	133. AG	34.	.4	15.0	32.0	
43. 0	BRTeb	1614.0	940.0	1803.0	786.0	*	244.	129. AG	34.	.4	15.0	32.0	
44. 0	BRTeb	1803.0	786.0	2730.0	80.0	*	1165.	127. AG	34.	.4	15.0	32.0	

JOB: S10 HIGHBRT 2030PM

RUN: SITE 10 HIGHBRT 2030PM

DATE: 12/20/2007 TIME: 09:09:55.00

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	BRTwb	2731.0	98.0	1990.0	660.0	*	930.	307. AG	34.	.4	15.0	32.0	
46. 0	BRTwb	1990.0	660.0	1665.0	916.0	*	414.	308. AG	34.	.4	15.0	32.0	
47. 0	BRTwb	1665.0	916.0	1543.0	1020.0	*	160.	310. AG	34.	.4	15.0	32.0	
48. 0	BRTwb	1543.0	1020.0	1403.0	1151.0	*	192.	313. AG	34.	.4	15.0	32.0	
49. 0	BRTwb	1403.0	1151.0	1232.0	1344.0	*	258.	318. AG	34.	.4	15.0	32.0	
50. 0	BRTwb	1232.0	1344.0	1066.0	1531.0	*	250.	318. AG	34.	.4	15.0	32.0	
51. 0	BRTwb	1066.0	1531.0	841.0	1824.0	*	369.	322. AG	34.	.4	15.0	32.0	
52. 0	BRTwb	841.0	1824.0	391.0	2423.0	*	749.	323. AG	34.	.4	15.0	32.0	

JOB: S10 HIGHBRT 2030PM

RUN: SITE 10 HIGHBRT 2030PM

DATE: 12/20/2007 TIME: 09:09:55.00

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	89	2.0	2120	1671	32.10	1	3
5. 0	650nbLq	150	119	2.0	535	1717	32.10	1	3
11. 0	650sbTq	150	94	2.0	1270	1678	32.10	1	3
13. 0	650sbLq	150	124	2.0	360	1770	32.10	1	3
17. 0	650wbT	150	88	2.0	1770	1664	32.10	1	3
19. 0	650wbL	150	128	2.0	265	1770	32.10	1	3

31. 0	193ebTQ	*	150	95	2.0	1715	1645	32.10	1	3
33. 0	193ebLQ	*	150	135	2.0	135	1770	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: S10 HIGHBRT 2030PM

RUN: SITE 10 HIGHBRT 2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.1	.9	.8	.5	.7	.6	.6	.0	.0	.1	.2	.4	.5	.5	.2	.2	.2	.0	.0	.0
5. *	.8	.7	.6	.4	.6	.6	.6	.0	.0	.0	.2	.4	.4	.4	.2	.3	.4	.1	.0	.0
10. *	.5	.6	.6	.5	.6	.6	.6	.0	.0	.0	.1	.3	.4	.4	.5	.4	.4	.3	.0	.0
15. *	.4	.4	.4	.4	.6	.6	.6	.0	.0	.0	.1	.2	.2	.2	.5	.4	.5	.4	.0	.0
20. *	.3	.4	.4	.4	.6	.6	.6	.0	.0	.0	.1	.1	.1	.1	.5	.4	.5	.4	.1	.0
25. *	.3	.3	.3	.5	.6	.6	.6	.0	.0	.0	.1	.1	.1	.1	.5	.4	.4	.5	.1	.0
30. *	.1	.2	.2	.5	.6	.6	.6	.0	.0	.0	.0	.1	.1	.1	.4	.4	.6	.5	.2	.0
35. *	.1	.2	.2	.5	.6	.6	.4	.0	.0	.0	.0	.1	.0	.4	.5	.6	.6	.2	.0	.0
40. *	.1	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.6	.2	.0
45. *	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.7	.6	.2	.1
50. *	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.6	.6	.2	.1
55. *	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.2	.1
60. *	.1	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.2	.1
65. *	.0	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
70. *	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
75. *	.0	.1	.2	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
80. *	.0	.1	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.2
85. *	.0	.0	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
90. *	.0	.0	.2	.6	.7	.5	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
95. *	.1	.1	.1	.6	.6	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
100. *	.1	.2	.2	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.2
105. *	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.2
110. *	.1	.1	.2	.5	.7	.5	.6	.0	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.2	.2
115. *	.0	.1	.2	.6	.6	.5	.5	.1	.2	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
120. *	.0	.1	.1	.5	.6	.5	.5	.3	.3	.1	.0	.0	.0	.0	.3	.3	.7	.6	.3	.3
125. *	.0	.0	.1	.5	.5	.5	.4	.3	.4	.3	.1	.0	.0	.0	.3	.3	.8	.6	.3	.3
130. *	.0	.0	.0	.4	.4	.4	.3	.6	.8	.5	.2	.0	.0	.0	.3	.4	.8	.6	.5	.4
135. *	.0	.0	.0	.2	.3	.2	.2	.8	.9	.7	.4	.1	.0	.0	.3	.4	.8	.7	.5	.4
140. *	.0	.0	.0	.1	.2	.2	.2	.9	1.0	.9	.6	.2	.0	.0	.4	.5	.8	.7	.5	.4
145. *	.0	.0	.0	.0	.1	.1	.1	.9	1.0	.8	.4	.2	.1	.0	.4	.6	.9	.6	.4	.3
150. *	.0	.0	.0	.0	.1	.0	.0	1.0	1.1	.9	.5	.3	.1	.0	.4	.6	.9	.7	.4	.3
155. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.1	.1	.5	.8	.9	.8	.5	.5
160. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.9	.5	.4	.2	.2	.5	.8	1.0	.8	.7	.8
165. *	.2	.2	.2	.0	.0	.0	.0	.9	1.0	.9	.5	.3	.3	.2	.5	.8	1.0	.7	.8	.8
170. *	.2	.2	.2	.0	.0	.0	.0	.9	.9	.8	.4	.5	.5	.2	.7	.9	1.2	.6	.9	.8
175. *	.3	.3	.3	.1	.0	.0	.0	.9	.9	.8	.4	.6	.7	.4	.7	1.0	1.0	.5	.9	.8
180. *	.6	.6	.6	.2	.0	.0	.0	.9	.9	.9	.5	.6	.5	.4	.7	.9	1.0	.5	.8	.8
185. *	.8	1.0	1.0	.4	.1	.0	.0	.9	1.0	.9	.6	.9	.7	.7	.6	.6	.8	.4	.8	.6
190. *	1.0	1.1	1.1	.6	.1	.0	.0	.9	1.0	1.2	.7	.9	.7	.7	.3	.6	.6	.4	.6	.6
195. *	1.1	1.1	1.1	.6	.2	.1	.0	.9	1.0	1.1	.8	.9	.7	.8	.2	.3	.4	.2	.6	.6
200. *	1.1	1.2	1.2	.8	.4	.1	.1	.9	1.1	1.1	.8	.8	.7	.8	.2	.3	.2	.3	.6	.6

205. \* 1.2 1.2 1.2 .8 .5 .1 .1 .9 1.3 1.1 .8 .6 .5 .8 .2 .2 .2 .3 .6 .6  
1

JOB: S10 HIGHBRT 2030PM

RUN: SITE 10 HIGHBRT 2030PM

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WIND	* CONCENTRATION																			
ANGLE	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	* 1.1	1.1	1.1	.7	.5	.1	.1	.9	1.3	1.0	.6	.5	.6	.9	.1	.2	.2	.3	.6	.5
215.	* 1.1	1.1	1.1	.7	.5	.2	.1	1.0	1.3	1.0	.6	.5	.8	.8	.1	.2	.2	.3	.6	.5
220.	* 1.1	1.1	1.1	.7	.5	.2	.1	1.0	1.2	.9	.5	.5	.7	.8	.1	.2	.2	.4	.6	.5
225.	* 1.0	1.0	1.0	.7	.4	.2	.1	1.0	1.2	.6	.4	.5	.7	.9	.2	.2	.2	.4	.6	.5
230.	* .9	.9	.9	.7	.4	.2	.1	1.0	1.1	.6	.4	.5	.7	1.0	.2	.2	.2	.4	.6	.4
235.	* .9	.9	.9	.6	.4	.2	.1	1.0	1.1	.6	.3	.3	.9	1.0	.1	.2	.2	.5	.6	.4
240.	* .9	.9	.9	.6	.4	.2	.1	1.0	1.1	.4	.3	.3	.9	1.0	.1	.2	.2	.5	.6	.4
245.	* .9	.9	.9	.6	.4	.2	.1	1.0	1.1	.4	.3	.4	.8	.9	.1	.2	.2	.5	.6	.5
250.	* .8	.8	.8	.6	.4	.2	.1	1.0	1.1	.4	.5	.5	.8	.9	.1	.2	.2	.5	.6	.5
255.	* .8	.8	.8	.6	.4	.2	.1	1.1	1.1	.4	.5	.5	.8	.9	.1	.2	.2	.5	.6	.5
260.	* .8	.8	.8	.6	.3	.2	.1	1.1	1.1	.5	.6	.6	.8	.9	.1	.2	.2	.5	.5	.5
265.	* .8	.8	.8	.6	.3	.2	.1	1.1	1.0	.4	.6	.7	.8	.9	.1	.1	.2	.3	.4	.5
270.	* .8	.8	.8	.6	.3	.2	.1	1.1	1.0	.4	.6	.7	.9	1.0	.0	.1	.2	.3	.4	.5
275.	* .8	.8	.8	.6	.3	.2	.1	1.0	1.0	.5	.5	.7	.9	1.0	.0	.1	.3	.3	.6	.5
280.	* .8	.8	.8	.6	.3	.2	.1	1.0	.9	.5	.5	.7	.9	.8	.1	.1	.3	.3	.6	.6
285.	* .8	.8	.8	.6	.3	.2	.1	.9	.8	.6	.5	.8	.8	.7	.1	.1	.3	.4	.6	.6
290.	* .8	.8	.8	.6	.4	.2	.2	.9	.7	.6	.5	.8	.8	.6	.1	.2	.2	.3	.6	.6
295.	* .8	.8	.8	.5	.3	.3	.2	.9	.6	.5	.5	.8	.9	.6	.1	.1	.2	.3	.6	.5
300.	* .8	.8	.8	.4	.4	.3	.2	.7	.7	.5	.4	.9	.7	.6	.0	.1	.2	.3	.5	.6
305.	* .9	.9	.9	.6	.6	.4	.3	.8	.7	.4	.6	.9	.8	.6	.0	.1	.2	.4	.6	.6
310.	* .9	.9	.9	.7	.6	.5	.4	.7	.7	.4	.7	.8	.7	.6	.0	.0	.1	.3	.6	.4
315.	* .9	.9	.9	.6	.5	.5	.4	.7	.6	.5	.6	.7	.7	.6	.0	.0	.1	.3	.5	.4
320.	* .9	.9	1.0	.7	.5	.4	.5	.3	.5	.3	.6	.7	.7	.6	.0	.0	.0	.1	.5	.4
325.	* 1.0	1.0	1.0	.8	.6	.4	.5	.4	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.3	.2
330.	* 1.1	1.1	1.1	.8	.5	.5	.6	.3	.3	.2	.6	.7	.7	.5	.0	.0	.0	.0	.3	.2
335.	* 1.2	1.2	1.1	.6	.5	.7	.7	.1	.2	.3	.6	.7	.7	.5	.0	.0	.0	.0	.1	.2
340.	* 1.2	1.2	1.1	.5	.6	.7	.8	.1	.3	.3	.5	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	* 1.2	1.2	1.1	.6	.7	.8	.7	.1	.2	.3	.4	.6	.7	.6	.0	.0	.0	.0	.1	.0
350.	* 1.1	1.0	1.2	.7	.7	.8	.7	.0	.1	.3	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0
355.	* 1.0	1.1	1.0	.7	.6	.6	.6	.0	.1	.2	.4	.5	.5	.6	.1	.1	.0	.0	.0	.0
360.	* 1.1	.9	.8	.5	.7	.6	.6	.0	.0	.1	.2	.4	.5	.5	.2	.2	.2	.0	.0	.0
MAX	* 1.2	1.2	1.2	.8	.7	.8	.8	1.1	1.3	1.2	.8	.9	.9	1.0	.7	1.0	1.2	.8	.9	.8
DEGR.	* 205	200	200	200	90	345	340	255	205	190	195	185	235	230	170	175	170	155	170	160

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JOB: S10 HIGHBRT 2030PM

RUN: SITE 10 HIGHBRT 2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	(PPM)							
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	* .0	1.0	.9	.9	.5	.4	.3	.1
5.	* .0	.9	.9	.8	.4	.5	.5	.3
10.	* .0	.9	.9	.8	.5	.6	.5	.4
15.	* .0	.9	.8	.7	.5	.7	.4	.3
20.	* .0	.9	.8	.9	.6	.7	.4	.4
25.	* .0	.9	.7	.9	.6	.7	.3	.5
30.	* .0	.8	.8	.9	.6	.5	.4	.6
35.	* .0	.9	.8	.9	.6	.3	.5	.6
40.	* .0	.9	.9	.8	.4	.3	.4	.6
45.	* .0	1.0	1.0	.8	.3	.3	.4	.7
50.	* .0	1.0	1.0	.6	.4	.2	.5	.8
55.	* .0	1.1	1.0	.5	.4	.3	.6	.8
60.	* .0	1.1	.9	.5	.3	.3	.7	.8
65.	* .1	1.1	.9	.4	.3	.3	.7	.8
70.	* .1	1.1	.9	.3	.3	.4	.7	.8
75.	* .1	1.1	.9	.3	.3	.5	.7	.8
80.	* .1	1.1	1.0	.3	.4	.5	.8	.8
85.	* .1	1.1	1.0	.3	.3	.5	.8	.8
90.	* .1	1.1	.9	.2	.4	.5	.8	.8
95.	* .1	1.2	.9	.3	.6	.6	.8	.7
100.	* .2	1.2	.9	.3	.6	.6	.8	.6
105.	* .2	1.1	.9	.5	.6	.6	.8	.6
110.	* .2	1.1	.8	.6	.7	.7	.8	.7
115.	* .2	1.0	.8	.6	.7	.8	.8	.7
120.	* .3	1.0	.9	.8	.6	.8	.7	.7
125.	* .3	.9	.8	.6	.7	.8	.7	.6
130.	* .2	.8	.8	.6	.5	.6	.6	.6
135.	* .3	.6	.5	.5	.5	.6	.6	.6
140.	* .2	.5	.7	.4	.5	.6	.6	.6
145.	* .3	.5	.4	.3	.6	.6	.6	.6
150.	* .4	.4	.4	.3	.6	.6	.6	.6
155.	* .6	.4	.3	.4	.6	.6	.6	.7
160.	* .7	.2	.3	.4	.6	.7	.6	.7

165.	*	.8	.1	.3	.4	.6	.6	.6	.8
170.	*	.8	.1	.3	.4	.5	.6	.6	.8
175.	*	.7	.1	.1	.3	.5	.5	.6	.7
180.	*	.6	.0	.1	.3	.3	.5	.6	.6
185.	*	.5	.0	.0	.1	.3	.3	.4	.4
190.	*	.5	.0	.0	.0	.0	.2	.3	.4
195.	*	.4	.0	.0	.0	.0	.0	.1	.2
200.	*	.4	.0	.0	.0	.0	.0	.0	.1
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: S10 HIGHBRT 2030PM

RUN: SITE 10 HIGHBRT 2030PM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.5	.0	.0	.0	.0	.0	.0	.0
235.	*	.5	.0	.0	.0	.0	.0	.0	.0
240.	*	.5	.0	.0	.0	.0	.0	.0	.0
245.	*	.5	.0	.0	.0	.0	.0	.0	.0
250.	*	.5	.0	.0	.0	.0	.0	.0	.0
255.	*	.5	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.5	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.0	.0	.0	.0	.0	.0	.0
275.	*	.5	.0	.0	.0	.0	.0	.0	.0
280.	*	.5	.0	.0	.0	.0	.0	.0	.0
285.	*	.5	.0	.0	.0	.0	.0	.0	.0
290.	*	.5	.0	.0	.0	.0	.0	.0	.0
295.	*	.5	.0	.0	.0	.0	.0	.0	.0
300.	*	.5	.1	.1	.0	.0	.0	.0	.0
305.	*	.5	.2	.1	.1	.1	.0	.0	.0
310.	*	.4	.4	.4	.1	.1	.0	.0	.0
315.	*	.4	.5	.5	.3	.2	.1	.0	.0
320.	*	.4	.7	.6	.5	.4	.1	.1	.0
325.	*	.3	.9	.7	.6	.5	.3	.1	.1
330.	*	.1	1.0	.9	.7	.6	.4	.2	.1
335.	*	.1	1.2	1.0	.7	.8	.3	.1	.1
340.	*	.0	1.1	1.1	1.0	.7	.4	.2	.1
345.	*	.0	1.2	1.0	1.0	.6	.4	.3	.1
350.	*	.0	1.1	.9	.9	.6	.3	.3	.1
355.	*	.0	1.0	.9	.9	.6	.3	.3	.2
360.	*	.0	1.0	.9	.9	.5	.4	.3	.1
MAX	*	.8	1.2	1.1	1.0	.8	.8	.8	.8
DEGR.	*	165	95	340	340	335	115	80	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 205 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 205 DEGREES FROM REC1 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 200 DEGREES FROM REC2 .

PurpleLine	-	S10	LOWLRT	2030	AM	60.0321	0.0000	0.000280	30480000	1	1
SE MID S				1341.		775.		5.0			
SE 164 S				1349.		856.		5.0			
SE 82 S				1357.		938.		5.0			
SE CNR				1401.		1043.		5.0			
SE 82 E				1501.		999.		5.0			
SE 164 E				1562.		944.		5.0			
SE MID E				1623.		890.		5.0			
NE MID E				1582.		1083.		5.0			
NE 164 E				1521.		1138.		5.0			
NE 82 E				1466.		1200.		5.0			
NE CNR				1422.		1281.		5.0			
NE 82 N				1402.		1367.		5.0			
NE 164 N				1402.		1449.		5.0			
NE MID N				1409.		1531.		5.0			
NW MID N				1317.		1719.		5.0			
NW 164 N				1310.		1638.		5.0			
NW 82 N				1302.		1555.		5.0			
NW CNR				1267.		1462.		5.0			
NW 82 W				1178.		1495.		5.0			
NW 164 W				1126.		1560.		5.0			
NW MIDW				1075.		1624.		5.0			
SW MID W				1077.		1426.		5.0			
SW 164 W				1130.		1360.		5.0			
SW 82 W				1172.		1284.		5.0			
SW CNR				1206.		1204.		5.0			
SW 82 S				1226.		1123.		5.0			
SW 164 S				1237.		1038.		5.0			
SW MID S				1237.		955.		5.0			
PurpleLine	S10	LOWLRT	2030	AM		39	1	0			
0		650nbAP	AG	1236.	15.	1271.	361.	1330	3.0	0	56 30.
0		650nbT	AG	1271.	361.	1355.	1221.	950	3.0	0	56 30.
0		650nbTq	AG	1343.	1096.	1304.	697.	0.	36	3	
0	150		84	2.0	950	32.1	1675	1	3		
0		650nbL	AG	1247.	388.	1329.	1246.	300	3.0	0	44 30.
0		650nbLq	AG	1316.	1110.	1277.	702.	0.	24	2	
0	150		126	2.0	300	32.1	1717	1	3		
0		650nbD	AG	1356.	1220.	1420.	2001.	1320	3.0	0	56 30.
0		650nbD	AG	1420.	2001.	1507.	2421.	1320	3.0	0	56 30.
0		650sbAP	AG	1463.	2422.	1386.	2066.	2670	3.0	0	56 30.
0		650sbAP	AG	1386.	2066.	1350.	1713.	2670	3.0	0	56 30.
0		650sbT	AG	1351.	1713.	1306.	1295.	2250	3.0	0	56 30.
0		650sbTq	AG	1315.	1375.	1349.	1693.	0.	36	3	
0	150		79	2.0	2250	32.1	1673	1	3		
0		650sbL	AG	1372.	1706.	1331.	1273.	210	3.0	0	32 30.
0		650sbLq	AG	1338.	1348.	1370.	1691.	0.	12	1	
0	150		120	2.0	210	32.1	1770	1	3		
0		650sbD	AG	1306.	1294.	1178.	15.	2995	3.0	0	56 30.
0		193ebAP	AG	355.	2423.	1060.	1499.	1725	3.0	0	56 30.
0		193ebT	AG	1061.	1498.	1305.	1226.	1090	3.0	0	56 30.
0		650ebTq	AG	1218.	1322.						

0		650nbR	AG	1297.	505.	1350.	1048.	80	3.0	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	80	3.0	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	210	3.0	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	210	3.0	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	535	3.0	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	535	3.0	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	535	3.0	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	535	3.0	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	270	3.0	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	270	3.0	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	270	3.0	0	32	30.
1.0	04	1000	0Y	5	0	72						



JOB: PurpleLine - S10 LOWLRT 2030 AM  
DATE: 12/20/2007 TIME: 07:59:35.13

RUN: PurpleLine S10 LOWLRT 2030 AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1330.	3.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	950.	3.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1328.9	951.5	*	145.	186. AG	145.	100.0	.0	36.0	.46 7.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	300.	3.0	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1306.1	1005.9	*	105.	185. AG	145.	100.0	.0	24.0	.66 5.3
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1320.	3.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1320.	3.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2670.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2670.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	2250.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1366.7	1858.8	*	487.	6. AG	136.	100.0	.0	36.0	1.00 24.7
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	210.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1350.9	1485.8	*	138.	5. AG	69.	100.0	.0	12.0	.69 7.0
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2995.	3.0	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	1725.	3.0	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1090.	3.0	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	1084.2	1471.3	*	200.	318. AG	174.	100.0	.0	36.0	.75 10.2
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	100.	3.0	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1173.6	1407.5	*	93.	319. AG	78.	100.0	.0	12.0	.85 4.7
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	1380.	3.0	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	1380.	3.0	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1910.	3.0	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1430.	3.0	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1637.6	991.8	*	263.	133. AG	164.	100.0	.0	36.0	.85 13.4
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	210.	3.0	.0	32.0	
26. 0	650wbL	1426.0	1151.0	1752.6	855.8	*	440.	132. AG	75.	100.0	.0	12.0	1.12 22.4
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1940.	3.0	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1940.	3.0	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	80.	3.0	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	80.	3.0	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	210.	3.0	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	210.	3.0	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	535.	3.0	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	535.	3.0	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	535.	3.0	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	535.	3.0	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	270.	3.0	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	270.	3.0	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	270.	3.0	.0	32.0	

JOB: PurpleLine - S10 LOWLRT 2030 AM  
DATE: 12/20/2007 TIME: 07:59:35.13

RUN: PurpleLine S10 LOWLRT 2030 AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	84	2.0	950	1675	32.10	1	3
5. 0	650nbLq	150	126	2.0	300	1717	32.10	1	3
11. 0	650sbTq	150	79	2.0	2250	1673	32.10	1	3
13. 0	650sbLq	150	120	2.0	210	1770	32.10	1	3
17. 0	650ebTq	150	101	2.0	1090	1611	32.10	1	3
19. 0	650ebLq	150	136	2.0	100	1770	32.10	1	3
24. 0	650wbT	150	95	2.0	1430	1655	32.10	1	3
26. 0	650wbL	150	130	2.0	210	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWLRT 2030 AM

RUN: PurpleLine S10 LOWLRT 2030 AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.6	.7	.4	.5	.6	.6	.0	.0	.2	.3	.4	.4	.3	.3	.4	.1	.0	.0
5.	*	.3	.5	.4	.3	.5	.5	.4	.0	.0	.2	.2	.3	.4	.3	.4	.5	.3	.0	.0
10.	*	.2	.2	.3	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.5	.6	.6	.4	.0	.0
15.	*	.2	.2	.2	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.5	.6	.8	.4	.0	.0
20.	*	.1	.2	.2	.3	.5	.5	.4	.0	.0	.0	.0	.1	.1	.7	.9	.8	.6	.2	.0
25.	*	.1	.1	.1	.4	.5	.5	.3	.0	.0	.0	.0	.1	.0	.7	.9	.9	.5	.2	.0
30.	*	.1	.1	.1	.4	.5	.5	.3	.0	.0	.0	.0	.0	.0	.8	.8	1.0	.6	.2	.1
35.	*	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.8	.8	.9	.6	.2	.2
40.	*	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.2	.2
45.	*	.1	.1	.1	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.8	.8	.7	.6	.2	.2
50.	*	.1	.1	.1	.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.8	.7	.7	.6	.2	.1
55.	*	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
60.	*	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
65.	*	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1
70.	*	.0	.0	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
75.	*	.0	.0	.1	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.2
80.	*	.0	.0	.1	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.5	.2	.2
85.	*	.0	.0	.0	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
90.	*	.0	.0	.0	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.8	.7	.7	.6	.2	.2
95.	*	.0	.0	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
100.	*	.0	.0	.1	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
105.	*	.0	.0	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
110.	*	.0	.0	.2	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2
115.	*	.0	.0	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.7	.7	.7	.6	.3	.2
120.	*	.0	.0	.0	.3	.4	.4	.3	.3	.3	.1	.0	.0	.0	.7	.7	.7	.7	.3	.3
125.	*	.0	.0	.0	.2	.4	.3	.3	.3	.4	.3	.0	.0	.0	.7	.7	.7	.7	.3	.3
130.	*	.0	.0	.0	.1	.3	.3	.3	.4	.4	.1	.0	.0	.0	.7	.7	.7	.6	.3	.3
135.	*	.0	.0	.0	.0	.2	.1	.1	.5	.8	.6	.2	.0	.0	.7	.7	.7	.7	.5	.4
140.	*	.0	.0	.0	.0	.2	.1	.1	.7	.9	.7	.4	.1	.0	.7	.7	.7	.7	.4	.2
145.	*	.0	.0	.0	.0	.0	.0	.1	.9	1.0	.7	.4	.1	.1	.0	.7	.7	.6	.5	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.8	.4	.1	.1	.0	.7	.8	1.0	.6	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9	.4	.3	.1	.1	.7	.9	1.0	.5	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.5	.2	.1	.1	.9	.9	1.0	.4	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.5	.2	.1	.1	.8	.9	.9	.4	.7
170.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.8	.4	.2	.2	.2	.8	.9	1.0	.3	.8
175.	*	.1	.1	.1	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.9	.9	.7	.4	.7
180.	*	.1	.2	.2	.0	.0	.0	.0	.8	.9	.7	.3	.3	.2	.2	.6	.7	.6	.4	.7
185.	*	.2	.2	.2	.1	.0	.0	.0	.8	.8	.7	.5	.4	.2	.3	.6	.5	.6	.2	.6
190.	*	.2	.2	.2	.2	.0	.0	.0	.8	.8	.8	.5	.5	.3	.3	.5	.5	.3	.6	.5
195.	*	.2	.2	.3	.2	.0	.0	.0	.8	.8	.8	.5	.6	.4	.4	.4	.4	.5	.3	.6
200.	*	.3	.3	.3	.2	.1	.0	.0	.8	.9	.8	.6	.3	.3	.6	.3	.4	.4	.2	.6
205.	*	.3	.3	.3	.3	.1	.0	.0	.9	.9	.8	.7	.3	.4	.6	.1	.3	.3	.6	.3

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JOB: PurpleLine - S10 LOWLRT 2030 AM

RUN: PurpleLine S10 LOWLRT 2030 AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.3	.3	.3	.3	.1	.1	.0	.9	.9	.8	.6	.3	.5	.6	.1	.1	.2	.3	.5
215.	*	.3	.3	.3	.3	.1	.1	.1	.9	.9	.8	.5	.2	.6	.6	.1	.1	.2	.4	.6
220.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.7	.3	.3	.7	.6	.1	.1	.2	.4	.6
225.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.2	.3	.6	.7	.0	.2	.2	.4	.5
230.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.3	.4	.5	.6	.0	.2	.2	.3	.5
235.	*	.3	.3	.3	.4	.1	.1	.1	.9	1.0	.6	.3	.4	.6	.5	.0	.1	.2	.3	.5
240.	*	.3	.3	.3	.5	.1	.1	.1	.9	1.1	.4	.3	.4	.7	.5	.0	.0	.2	.3	.5
245.	*	.3	.3	.3	.6	.1	.1	.1	1.0	1.1	.3	.3	.3	.7	.5	.0	.0	.2	.3	.5
250.	*	.3	.3	.3	.6	.2	.1	.1	1.0	1.1	.3	.3	.4	.7	.5	.0	.0	.2	.3	.5
255.	*	.3	.3	.3	.6	.2	.1	.1	1.0	1.1	.3	.3	.4	.7	.5	.0	.0	.1	.3	.3
260.	*	.3	.3	.3	.6	.2	.1	.1	1.0	1.1	.3	.3	.5	.7	.5	.0	.0	.1	.3	.3
265.	*	.3	.3	.3	.6	.2	.1	.1	1.1	1.0	.3	.3	.6	.7	.4	.0	.0	.1	.2	.3
270.	*	.3	.3	.3	.7	.2	.1	.1	1.1	1.0	.3	.3	.6	.7	.4	.0	.0	.1	.2	.3
275.	*	.2	.2	.3	.7	.3	.2	.1	1.1	1.0	.2	.4	.6	.7	.4	.0	.0	.1	.2	.2

280.	*	.2	.3	.4	.7	.3	.2	.1	1.1	1.0	.2	.4	.6	.6	.4	.0	.0	.1	.2	.3	.3
285.	*	.3	.3	.4	.6	.3	.2	.1	1.1	.9	.2	.4	.6	.6	.4	.0	.0	.0	.1	.3	.3
290.	*	.3	.3	.5	.6	.3	.2	.2	1.0	.8	.3	.4	.7	.6	.4	.0	.0	.1	.2	.4	.3
295.	*	.3	.3	.5	.5	.3	.2	.2	1.0	.7	.4	.4	.7	.5	.4	.0	.1	.1	.2	.4	.3
300.	*	.3	.3	.5	.5	.4	.3	.3	.7	.7	.3	.4	.6	.5	.4	.0	.1	.1	.2	.4	.4
305.	*	.3	.3	.6	.5	.3	.3	.2	.6	.6	.4	.5	.6	.4	.4	.0	.0	.1	.2	.4	.4
310.	*	.3	.3	.7	.5	.2	.2	.1	.5	.6	.5	.5	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.3	.3	.7	.5	.2	.3	.2	.3	.3	.6	.4	.5	.4	.4	.0	.0	.0	.3	.4	.4
320.	*	.3	.3	.8	.4	.4	.3	.3	.3	.4	.4	.5	.5	.4	.4	.0	.0	.0	.1	.4	.4
325.	*	.3	.3	.8	.5	.2	.5	.6	.3	.3	.4	.4	.5	.5	.5	.0	.0	.0	.0	.3	.2
330.	*	.3	.4	.8	.6	.4	.5	.6	.1	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.3	.5	1.0	.5	.6	.7	.6	.1	.2	.3	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1
340.	*	.3	.5	1.0	.5	.6	.7	.6	.1	.1	.3	.4	.5	.5	.6	.0	.0	.0	.0	.1	.0
345.	*	.4	.6	.7	.4	.7	.7	.6	.1	.1	.3	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0
350.	*	.3	.5	.8	.4	.7	.6	.6	.0	.1	.2	.3	.5	.6	.6	.1	.0	.2	.0	.0	.0
355.	*	.3	.6	.8	.4	.5	.7	.6	.0	.0	.1	.2	.5	.6	.4	.1	.2	.3	.0	.0	.0
360.	*	.3	.6	.7	.4	.5	.6	.6	.0	.0	.0	.2	.3	.4	.4	.3	.3	.4	.1	.0	.0
-----																					
MAX	*	.4	.6	1.0	.7	.7	.7	.6	1.1	1.1	.9	.7	.7	.7	.7	.9	.9	1.0	.7	.8	.7
DEGR.	*	345	0	335	270	345	335	0	265	240	155	205	290	220	225	175	170	30	120	170	160

1

JOB: PurpleLine - S10 LOWLRT 2030 AM

RUN: PurpleLine S10 LOWLRT 2030 AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.5	.7	.6	.5	.4	.4	.3
5.	.0	.5	.7	.7	.5	.5	.3	.3
10.	.0	.6	.7	.8	.5	.5	.5	.4
15.	.0	.6	.7	.8	.5	.5	.5	.5
20.	.0	.6	.8	.8	.5	.6	.7	.5
25.	.0	.7	.7	.9	.4	.5	.4	.6
30.	.0	.7	.7	1.0	.5	.6	.4	.6
35.	.0	.8	.7	1.0	.5	.4	.5	.6
40.	.0	.8	.8	.8	.6	.3	.5	.6
45.	.1	.8	.9	.7	.5	.3	.5	.7
50.	.1	.8	.9	.7	.4	.3	.6	.7
55.	.2	.8	.9	.6	.1	.3	.8	.7
60.	.1	.9	.9	.6	.2	.3	.7	.7
65.	.1	1.0	.9	.5	.2	.4	.7	.7
70.	.1	1.0	.9	.4	.2	.4	.7	.6
75.	.1	1.0	.9	.4	.2	.5	.8	.6
80.	.1	1.0	.9	.4	.2	.5	.8	.5
85.	.1	1.0	.9	.4	.3	.4	.8	.5
90.	.1	1.0	.8	.4	.5	.5	.8	.4
95.	.1	1.0	.9	.3	.5	.6	.8	.4
100.	.2	1.0	.9	.3	.5	.7	.8	.4
105.	.2	.9	.7	.5	.5	.7	.6	.3
110.	.1	.9	.6	.5	.4	.5	.6	.3
115.	.1	.9	.8	.5	.5	.5	.6	.3
120.	.2	.7	.6	.5	.4	.5	.6	.3
125.	.2	.8	.6	.4	.6	.6	.5	.3
130.	.2	.7	.5	.4	.4	.6	.4	.3
135.	.3	.4	.4	.2	.5	.5	.5	.3
140.	.3	.4	.2	.3	.5	.5	.5	.3
145.	.3	.2	.2	.4	.5	.5	.5	.4
150.	.4	.2	.2	.4	.5	.5	.4	.4
155.	.5	.1	.1	.2	.5	.5	.5	.4
160.	.6	.1	.1	.1	.5	.3	.5	.5
165.	.5	.1	.1	.1	.2	.3	.3	.5
170.	.4	.1	.1	.1	.2	.2	.3	.4
175.	.4	.1	.1	.1	.2	.2	.3	.4
180.	.3	.0	.1	.1	.1	.2	.3	.4
185.	.3	.0	.0	.1	.1	.2	.2	.3
190.	.3	.0	.0	.0	.1	.1	.2	.2
195.	.3	.0	.0	.0	.0	.1	.1	.2
200.	.3	.0	.0	.0	.0	.0	.1	.1
205.	.3	.0	.0	.0	.0	.0	.0	.1

1

JOB: PurpleLine - S10 LOWLRT 2030 AM

RUN: PurpleLine S10 LOWLRT 2030 AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.3	.0	.0	.0	.0	.0	.0	.0
215.	.3	.0	.0	.0	.0	.0	.0	.0
220.	.3	.0	.0	.0	.0	.0	.0	.0
225.	.3	.0	.0	.0	.0	.0	.0	.0

230.	*	.3	.0	.0	.0	.0	.0	.0	.0
235.	*	.3	.0	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.3	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.0	.0	.0	.0	.0	.0
315.	*	.4	.1	.2	.0	.0	.0	.0	.0
320.	*	.4	.1	.2	.2	.1	.0	.0	.0
325.	*	.2	.3	.6	.2	.2	.0	.0	.0
330.	*	.1	.3	.6	.3	.2	.1	.0	.0
335.	*	.1	.4	.8	.6	.2	.1	.1	.0
340.	*	.0	.6	.7	.6	.4	.1	.1	.0
345.	*	.0	.5	.7	.6	.5	.2	.1	.1
350.	*	.0	.5	.7	.6	.5	.3	.1	.2
355.	*	.0	.6	.7	.6	.5	.3	.3	.2
360.	*	.0	.5	.7	.6	.5	.4	.4	.3
-----									
MAX	*	.6	1.0	.9	1.0	.6	.7	.8	.7
DEGR.	*	160	65	45	30	40	100	55	45

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 265 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 240 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 30 DEGREES FROM REC24.

PurpleLine	-	S10	LOWLRT	2030	PM	60.0321	0.0000	0.000280	30480000	1	1	
SE MID S				1341.		775.		5.0				
SE 164 S				1349.		856.		5.0				
SE 82 S				1357.		938.		5.0				
SE CNR				1401.		1043.		5.0				
SE 82 E				1501.		999.		5.0				
SE 164 E				1562.		944.		5.0				
SE MID E				1623.		890.		5.0				
NE MID E				1582.		1083.		5.0				
NE 164 E				1521.		1138.		5.0				
NE 82 E				1466.		1200.		5.0				
NE CNR				1422.		1281.		5.0				
NE 82 N				1402.		1367.		5.0				
NE 164 N				1402.		1449.		5.0				
NE MID N				1409.		1531.		5.0				
NW MID N				1317.		1719.		5.0				
NW 164 N				1310.		1638.		5.0				
NW 82 N				1302.		1555.		5.0				
NW CNR				1267.		1462.		5.0				
NW 82 W				1178.		1495.		5.0				
NW 164 W				1126.		1560.		5.0				
NW MIDW				1075.		1624.		5.0				
SW MID W				1077.		1426.		5.0				
SW 164 W				1130.		1360.		5.0				
SW 82 W				1172.		1284.		5.0				
SW CNR				1206.		1204.		5.0				
SW 82 S				1226.		1123.		5.0				
SW 164 S				1237.		1038.		5.0				
SW MID S				1237.		955.		5.0				
PurpleLine	S10	LOWLRT	2030	PM	39	1	0					
0		650nbAP	AG	1236.	15.	1271.	361.	2875	3.1	0	56	30.
0		650nbT	AG	1271.	361.	1355.	1221.	2120	3.1	0	56	30.
0		650nbTq	AG	1343.	1096.	1304.	697.	0.	36	3		
0	150		89	2.0	2120	32.1	1671	1	3			
0		650nbL	AG	1247.	388.	1329.	1246.	535	3.1	0	44	30.
0		650nbLq	AG	1316.	1110.	1277.	702.	0.	24	2		
0	150		119	2.0	535	32.1	1717	1	3			
0		650nbD	AG	1356.	1220.	1420.	2001.	2500	3.1	0	56	30.
0		650nbD	AG	1420.	2001.	1507.	2421.	2500	3.1	0	56	30.
0		650sbAP	AG	1463.	2422.	1386.	2066.	1720	3.0	0	56	30.
0		650sbAP	AG	1386.	2066.	1350.	1713.	1720	3.0	0	56	30.
0		650sbT	AG	1351.	1713.	1306.	1295.	1955	3.0	0	56	30.
0		650sbTq	AG	1315.	1375.	1349.	1693.	0.	36	3		
0	150		94	2.0	1955	32.1	1678	1	3			
0		650sbL	AG	1372.	1706.	1331.	1273.	360	3.0	0	32	30.
0		650sbLq	AG	1338.	1348.	1370.	1691.	0.	12	1		
0	150		124	2.0	360	32.1	1770	1	3			
0		650sbD	AG	1306.	1294.	1178.	15.	1955	3.0	0	56	30.
0		193ebAP	AG	355.	2423.	1060.	1499.	2270	3.0	0	56	30.
0		193ebT	AG	1061.	1498.	1305.	1226.	171				

0		650nbR	AG	1297.	505.	1350.	1048.	220	3.1	0	32	30.
0	1	650nbR	AG	1350.	1048.	1448.	1090.	220	3.1	0	32	30.
0	1	650sbR	AG	1334.	1706.	1311.	1458.	90	3.0	0	32	30.
0	1	650sbR	AG	1311.	1458.	1212.	1415.	90	3.0	0	32	30.
0	1	193ebR	AG	1052.	1487.	1147.	1372.	420	3.0	0	32	30.
0	1	193ebR	AG	1147.	1372.	1219.	1224.	420	3.0	0	32	30.
0	1	193ebR	AG	1219.	1224.	1247.	1117.	420	3.0	0	32	30.
0	1	193ebR	AG	1247.	1117.	1269.	958.	420	3.0	0	32	30.
0	1	193wbR	AG	1666.	987.	1450.	1178.	245	2.9	0	32	30.
0	1	193wbR	AG	1450.	1178.	1402.	1274.	245	2.9	0	32	30.
0	1	193wbR	AG	1402.	1274.	1371.	1385.	245	2.9	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine - S10 LOWLRT 2030 PM  
DATE: 12/20/2007 TIME: 07:59:48.31

RUN: PurpleLine S10 LOWLRT 2030 PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2875.	3.1	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	2120.	3.1	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1227.4	-86.5	*	1188.	186. AG	153.	100.0	.0	36.0	1.11 60.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	535.	3.1	.0	44.0	
5. 0	650nbLq	1316.0	1110.0	1297.2	912.8	*	198.	185. AG	137.	100.0	.0	24.0	.86 10.1
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2500.	3.1	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2500.	3.1	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1720.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1720.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1955.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1437.7	2522.9	*	1154.	6. AG	162.	100.0	.0	36.0	1.12 58.6
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	360.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1463.1	2688.9	*	1347.	5. AG	71.	100.0	.0	12.0	1.39 68.4
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1955.	3.0	.0	56.0	
15. 0	193ebAP	355.0	2423.0	1060.0	1499.0	*	1162.	143. AG	2270.	3.0	.0	56.0	
16. 0	193ebT	1061.0	1498.0	1305.0	1226.0	*	365.	138. AG	1715.	3.0	.0	56.0	
17. 0	650ebTq	1218.0	1322.0	788.1	1801.9	*	644.	318. AG	165.	100.0	.0	36.0	1.04 32.7
18. 0	193ebL	1079.0	1515.0	1307.0	1257.0	*	344.	139. AG	135.	3.0	.0	32.0	
19. 0	650ebLq	1235.0	1338.0	1091.6	1500.3	*	217.	319. AG	77.	100.0	.0	12.0	1.05 11.0
20. 0	193ebD	1306.0	1224.0	1616.0	935.0	*	424.	133. AG	2295.	3.0	.0	56.0	
21. 0	193ebD	1616.0	935.0	2729.0	78.0	*	1405.	128. AG	2295.	3.0	.0	56.0	
22. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2280.	2.9	.0	56.0	
23. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1770.	2.9	.0	56.0	
24. 0	650wbT	1444.0	1170.0	1686.3	947.0	*	329.	133. AG	152.	100.0	.0	36.0	.92 16.7
25. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	265.	2.9	.0	32.0	
26. 0	650wbL	1426.0	1151.0	2016.2	617.6	*	796.	132. AG	73.	100.0	.0	12.0	1.25 40.4
27. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2395.	2.9	.0	56.0	
28. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2395.	2.9	.0	56.0	
29. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	220.	3.1	.0	32.0	
30. 0	650nbR	1350.0	1048.0	1448.0	1090.0	*	107.	67. AG	220.	3.1	.0	32.0	
31. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	90.	3.0	.0	32.0	
32. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	90.	3.0	.0	32.0	
33. 0	193ebR	1052.0	1487.0	1147.0	1372.0	*	149.	140. AG	420.	3.0	.0	32.0	
34. 0	193ebR	1147.0	1372.0	1219.0	1224.0	*	165.	154. AG	420.	3.0	.0	32.0	
35. 0	193ebR	1219.0	1224.0	1247.0	1117.0	*	111.	165. AG	420.	3.0	.0	32.0	
36. 0	193ebR	1247.0	1117.0	1269.0	958.0	*	161.	172. AG	420.	3.0	.0	32.0	
37. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	245.	2.9	.0	32.0	
38. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	245.	2.9	.0	32.0	
39. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	245.	2.9	.0	32.0	

JOB: PurpleLine - S10 LOWLRT 2030 PM  
DATE: 12/20/2007 TIME: 07:59:48.31

RUN: PurpleLine S10 LOWLRT 2030 PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	89	2.0	2120	1671	32.10	1	3
5. 0	650nbLq	150	119	2.0	535	1717	32.10	1	3
11. 0	650sbTq	150	94	2.0	1955	1678	32.10	1	3
13. 0	650sbLq	150	124	2.0	360	1770	32.10	1	3
17. 0	650ebTq	150	96	2.0	1715	1645	32.10	1	3
19. 0	650ebLq	150	135	2.0	135	1770	32.10	1	3
24. 0	650wbT	150	88	2.0	1770	1664	32.10	1	3
26. 0	650wbL	150	128	2.0	265	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1501.0	999.0	5.0	*
6. SE 164 E	*	1562.0	944.0	5.0	*
7. SE MID E	*	1623.0	890.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*

16. NW 164 N	*	1310.0	1638.0	5.0	*
17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1077.0	1426.0	5.0	*
23. SW 164 W	*	1130.0	1360.0	5.0	*
24. SW 82 W	*	1172.0	1284.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: PurpleLine - S10 LOWLRT 2030 PM

RUN: PurpleLine S10 LOWLRT 2030 PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.2	1.1	1.0	.5	.7	.7	.7	.0	.1	.2	.4	.6	.7	.5	.6	.5	.2	.0	.0
5.	*	1.0	.8	.7	.4	.7	.6	.7	.0	.0	.1	.3	.6	.6	.6	.7	.8	.3	.1	.0
10.	*	.7	.7	.7	.5	.6	.6	.7	.0	.0	.0	.2	.4	.5	1.0	.9	1.0	.6	.1	.1
15.	*	.4	.4	.5	.3	.6	.6	.6	.0	.0	.0	.2	.3	.3	1.0	1.0	1.1	.7	.1	.1
20.	*	.3	.4	.4	.3	.6	.6	.6	.0	.0	.0	.1	.1	.1	1.1	1.0	1.1	.7	.3	.1
25.	*	.3	.3	.3	.4	.6	.6	.6	.0	.0	.0	.1	.1	.1	1.1	1.0	1.0	.7	.3	.1
30.	*	.1	.2	.2	.4	.6	.6	.6	.0	.0	.0	.0	.1	.1	1.0	1.1	1.1	.7	.4	.1
35.	*	.1	.2	.2	.4	.6	.6	.6	.0	.0	.0	.0	.1	.0	.9	1.2	1.1	.7	.4	.1
40.	*	.1	.2	.2	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.9	1.0	1.1	.7	.4	.1
45.	*	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.9	1.0	1.0	.7	.5	.2
50.	*	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.5	.2
55.	*	.1	.2	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.9	.9	.9	.6	.4	.2
60.	*	.1	.1	.2	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.8	.9	.9	.6	.4	.2
65.	*	.0	.1	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.7	.9	.9	.6	.4	.2
70.	*	.0	.1	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.7	.8	.8	.6	.4	.2
75.	*	.0	.0	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.7	.8	.8	.6	.4	.2
80.	*	.0	.0	.2	.5	.6	.6	.4	.0	.0	.0	.0	.0	.0	.7	.8	.8	.6	.4	.3
85.	*	.1	.1	.2	.5	.6	.7	.4	.0	.0	.0	.0	.0	.0	.7	.8	.8	.6	.4	.3
90.	*	.1	.1	.1	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3
95.	*	.1	.2	.1	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3
100.	*	.1	.2	.2	.5	.7	.6	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3
105.	*	.1	.2	.2	.4	.7	.6	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.4	.3
110.	*	.0	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.8	.8	.8	.6	.3	.3
115.	*	.0	.1	.2	.5	.6	.5	.6	.1	.2	.0	.0	.0	.0	.7	.8	.8	.6	.4	.3
120.	*	.0	.0	.1	.4	.7	.6	.5	.3	.3	.1	.0	.0	.0	.7	.8	.8	.6	.4	.4
125.	*	.0	.0	.1	.4	.6	.5	.5	.4	.5	.3	.1	.0	.0	.7	.8	.9	.6	.4	.4
130.	*	.0	.0	.0	.2	.5	.5	.5	.6	.8	.6	.2	.0	.0	.8	.9	.9	.6	.6	.4
135.	*	.0	.0	.0	.1	.2	.3	.2	.8	.9	.7	.5	.1	.0	.9	.9	.9	.7	.6	.4
140.	*	.0	.0	.0	.0	.2	.2	.1	.9	1.0	.9	.6	.3	.0	1.0	.9	.9	.7	.6	.4
145.	*	.0	.0	.0	.0	.2	.1	.1	.9	1.0	.9	.5	.3	.1	1.0	1.0	1.0	.6	.5	.4
150.	*	.0	.0	.0	.0	.0	.0	.1	1.0	1.1	1.0	.5	.3	.1	1.0	1.0	1.0	.7	.4	.6
155.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	.9	.5	.4	.1	1.0	1.1	1.0	.8	.7	.7
160.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.4	.2	1.0	1.0	1.0	.8	.9	.9
165.	*	.2	.2	.2	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.3	.2	.9	.9	1.0	.8	.9
170.	*	.2	.2	.2	.0	.0	.0	.0	.9	.9	.8	.4	.5	.5	.2	1.0	1.1	1.2	.6	1.0
175.	*	.3	.3	.3	.1	.0	.0	.0	.9	.9	.8	.4	.6	.7	.4	1.0	1.1	1.1	.5	.9
180.	*	.5	.5	.5	.2	.0	.0	.0	.9	.9	.9	.5	.5	.5	.4	1.0	1.1	1.0	.5	.9
185.	*	.7	.9	.9	.3	.1	.0	.0	.9	1.0	.9	.5	.8	.7	.6	.8	.7	.8	.4	.8
190.	*	.9	1.0	1.0	.5	.1	.0	.0	.9	1.0	1.1	.7	.9	.6	.6	.4	.6	.6	.5	.6
195.	*	1.0	1.0	1.0	.5	.1	.1	.0	.9	.9	1.0	.8	.9	.6	.8	.4	.4	.4	.3	.6
200.	*	1.0	1.1	1.1	.7	.1	.1	.1	.9	1.0	1.0	.8	.9	.7	.9	.3	.4	.4	.3	.6
205.	*	1.1	1.1	1.1	.7	.3	.1	.1	.9	1.2	1.1	.8	.6	.5	.8	.2	.2	.2	.4	.6

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JOB: PurpleLine - S10 LOWLRT 2030 PM

RUN: PurpleLine S10 LOWLRT 2030 PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	1.0	1.0	1.0	.7	.4	.1	.1	.9	1.2	1.0	.6	.5	.7	.9	.1	.2	.2	.4	.6
215.	*	1.0	1.0	1.0	.7	.4	.2	.1	1.0	1.2	1.0	.7	.5	.8	.8	.1	.2	.2	.5	.6
220.	*	1.0	1.0	1.0	.7	.4	.2	.1	1.0	1.2	.9	.5	.5	.7	.8	.1	.2	.2	.5	.6
225.	*	.9	.9	.9	.7	.4	.2	.1	1.0	1.3	.7	.5	.5	.7	.9	.2	.2	.2	.5	.6
230.	*	.8	.8	.8	.7	.4	.2	.1	1.0	1.2	.7	.5	.5	.7	1.0	.2	.2	.2	.5	.6
235.	*	.8	.8	.9	.7	.4	.2	.1	1.0	1.2	.7	.4	.4	.9	1.0	.1	.2	.2	.5	.6
240.	*	.8	.8	.9	.7	.3	.2	.1	1.0	1.2	.5	.4	.5	.9	1.0	.1	.2	.2	.5	.6
245.	*	.8	.8	.9	.7	.3	.2	.1	1.1	1.2	.4	.3	.5	.8	.9	.1	.2	.2	.5	.6
250.	*	.7	.7	.8	.7	.4	.2	.1	1.1	1.2	.4	.4	.6	.8	.9	.1	.2	.2	.5	.6
255.	*	.7	.7	.9	.7	.4	.2	.1	1.2	1.2	.4	.4	.6	.8	.9	.1	.2	.2	.5	.6
260.	*	.7	.7	.9	.7	.3	.2	.1	1.2	1.2	.5	.6	.7	.8	.9	.1	.2	.2	.5	.6
265.	*	.7	.7	.9	.7	.3	.2	.1	1.2	1.0	.5	.6	.8	.8	.9	.1	.1	.2	.5	.7
270.	*	.7	.7	.9	.7	.3	.2	.1	1.2	1.0	.5	.5	.8	.9	1.0	.1	.2	.2	.5	.8
275.	*	.7	.7	.9	.7	.4	.3	.1	1.0	1.0	.5	.5	.9	.9	1.0	.1	.2	.3	.4	.7



280.	*	.7	.7	.9	.7	.3	.3	.1	1.0	.9	.5	.5	.8	.9	.9	.1	.2	.3	.3	.7	.7
285.	*	.7	.7	.9	.7	.3	.3	.2	.9	.8	.6	.6	.9	.9	.8	.1	.2	.3	.4	.7	.7
290.	*	.7	.7	.9	.6	.3	.4	.2	.9	.7	.6	.7	.9	.9	.9	.1	.3	.2	.4	.7	.7
295.	*	.7	.7	.9	.5	.4	.4	.3	1.0	.7	.5	.7	.9	.9	.8	.1	.2	.3	.4	.7	.6
300.	*	.7	.7	.9	.5	.4	.4	.2	.8	.7	.5	.6	.9	.9	.8	.0	.2	.3	.4	.6	.7
305.	*	.8	.9	1.0	.5	.4	.4	.2	.9	.7	.6	.8	.9	1.0	.7	.0	.1	.2	.4	.7	.7
310.	*	.8	.9	1.0	.6	.4	.3	.4	.7	.7	.4	.7	.9	.8	.8	.0	.0	.1	.4	.7	.5
315.	*	.8	.9	1.0	.5	.4	.4	.5	.7	.6	.6	.7	.8	.8	.8	.0	.0	.1	.4	.6	.5
320.	*	.8	.9	1.1	.4	.6	.5	.7	.5	.6	.5	.7	.8	.8	.8	.0	.0	.0	.2	.6	.5
325.	*	.9	1.1	1.1	.7	.6	.7	.7	.4	.3	.4	.6	.8	.8	.8	.0	.0	.0	.4	.3	
330.	*	1.1	1.2	1.2	.7	.9	.8	.8	.3	.3	.3	.6	.8	.8	.8	.0	.0	.0	.3	.2	
335.	*	1.2	1.3	1.2	.5	.8	.9	.8	.2	.2	.5	.6	.8	.8	.8	.0	.0	.0	.1	.2	
340.	*	1.2	1.3	1.2	.6	.8	.9	.9	.2	.3	.5	.6	.8	.9	.9	.0	.0	.0	.1	.1	
345.	*	1.2	1.3	1.4	.5	.9	.9	.8	.2	.3	.4	.6	.8	.9	1.0	.1	.1	.1	.0	.1	.0
350.	*	1.2	1.2	1.2	.6	.9	.9	.7	.1	.2	.4	.6	.9	.9	.9	.1	.1	.1	.0	.0	.0
355.	*	1.1	1.2	1.2	.6	.8	.8	.8	.1	.2	.3	.5	.8	.9	.9	.3	.3	.3	.1	.0	.0
360.	*	1.2	1.1	1.0	.5	.7	.7	.7	.0	.1	.2	.4	.6	.7	.7	.5	.6	.5	.2	.0	.0
-----																					
MAX	*	1.2	1.3	1.4	.7	.9	.9	.9	1.2	1.3	1.1	.8	.9	1.0	1.0	1.1	1.2	1.2	.8	1.0	.9
DEGR.	*	0	335	345	200	330	335	340	255	225	190	195	190	305	230	20	35	170	155	170	160

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JOB: PurpleLine - S10 LOWLRT 2030 PM

RUN: PurpleLine S10 LOWLRT 2030 PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.8	.9	.7	.6	.5	.4	.3
5.	.0	.7	.8	.8	.4	.8	.4	.4
10.	.0	.7	.8	.8	.7	.8	.6	.4
15.	.0	.8	.8	1.0	.8	.9	.5	.5
20.	.1	.8	.8	1.1	.7	.9	.4	.6
25.	.1	.8	.9	1.1	.7	.8	.4	.7
30.	.1	.8	1.1	1.1	.7	.3	.5	.6
35.	.1	.8	1.1	1.0	.6	.2	.6	.7
40.	.1	.8	1.1	1.0	.5	.2	.5	.7
45.	.1	1.0	1.1	.9	.5	.3	.5	.8
50.	.1	1.0	1.1	.7	.4	.3	.6	.9
55.	.1	.9	1.1	.6	.4	.3	.6	.9
60.	.1	.9	1.0	.6	.3	.3	.8	.9
65.	.2	.9	1.0	.6	.3	.3	.8	.9
70.	.2	.9	1.0	.4	.3	.4	.8	.9
75.	.2	.9	1.0	.4	.2	.5	.8	.9
80.	.2	1.0	1.0	.3	.4	.5	.9	.8
85.	.2	1.0	1.0	.3	.3	.5	.9	.8
90.	.2	1.1	1.1	.3	.4	.6	.9	.8
95.	.2	1.1	.9	.4	.5	.7	.9	.7
100.	.2	1.1	.9	.4	.5	.7	.9	.7
105.	.2	1.0	.7	.6	.5	.7	.8	.8
110.	.2	1.0	.7	.6	.6	.7	.9	.8
115.	.2	.9	.9	.6	.6	.9	.9	.8
120.	.3	.9	.8	.7	.7	.8	.8	.6
125.	.3	.8	.7	.7	.9	.7	.8	.6
130.	.2	.7	.6	.5	.7	.6	.7	.6
135.	.3	.4	.6	.5	.5	.6	.7	.6
140.	.2	.3	.6	.6	.5	.6	.7	.5
145.	.4	.4	.3	.4	.6	.6	.7	.5
150.	.6	.4	.4	.4	.6	.6	.6	.5
155.	.8	.2	.4	.4	.5	.6	.6	.6
160.	.8	.2	.3	.4	.5	.6	.6	.6
165.	.8	.2	.3	.5	.5	.6	.6	.7
170.	.8	.1	.2	.3	.5	.6	.5	.7
175.	.7	.1	.2	.2	.4	.4	.5	.6
180.	.6	.0	.1	.2	.2	.4	.5	.5
185.	.5	.0	.0	.1	.2	.2	.3	.3
190.	.5	.0	.0	.0	.0	.2	.2	.3
195.	.5	.0	.0	.0	.0	.0	.1	.2
200.	.5	.0	.0	.0	.0	.0	.0	.1
205.	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine - S10 LOWLRT 2030 PM

RUN: PurpleLine S10 LOWLRT 2030 PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	.5	.0	.0	.0	.0	.0	.0	.0
215.	.5	.0	.0	.0	.0	.0	.0	.0
220.	.5	.0	.0	.0	.0	.0	.0	.0
225.	.5	.0	.0	.0	.0	.0	.0	.0

230.	*	.5	.0	.0	.0	.0	.0	.0	.0
235.	*	.5	.0	.0	.0	.0	.0	.0	.0
240.	*	.5	.0	.0	.0	.0	.0	.0	.0
245.	*	.5	.0	.0	.0	.0	.0	.0	.0
250.	*	.5	.0	.0	.0	.0	.0	.0	.0
255.	*	.5	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.5	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.0	.0	.0	.0	.0	.0	.0
275.	*	.5	.0	.0	.0	.0	.0	.0	.0
280.	*	.5	.0	.0	.0	.0	.0	.0	.0
285.	*	.6	.0	.0	.0	.0	.0	.0	.0
290.	*	.6	.0	.0	.0	.0	.0	.0	.0
295.	*	.6	.0	.0	.0	.0	.0	.0	.0
300.	*	.6	.1	.0	.0	.0	.0	.0	.0
305.	*	.6	.2	.1	.1	.0	.0	.0	.0
310.	*	.5	.3	.3	.1	.1	.0	.0	.0
315.	*	.5	.4	.4	.3	.1	.1	.0	.0
320.	*	.4	.7	.5	.3	.2	.1	.0	.0
325.	*	.4	.8	.7	.6	.3	.2	.1	.0
330.	*	.1	.9	.8	.6	.3	.3	.1	.1
335.	*	.1	1.0	1.0	.8	.6	.3	.1	.1
340.	*	.0	1.1	1.0	.8	.5	.4	.1	.1
345.	*	.0	.9	1.1	.8	.6	.4	.2	.1
350.	*	.0	.8	1.0	.8	.5	.3	.2	.1
355.	*	.0	.8	1.0	.8	.5	.4	.4	.3
360.	*	.0	.8	.9	.7	.6	.5	.4	.3
-----									
MAX	*	.8	1.1	1.1	1.1	.9	.9	.9	.9
DEGR.	*	155	90	30	20	125	15	80	50

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 345 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 225 DEGREES FROM REC9 .

S10 HIGHLRT 2030AM		60.0321.0.0000.000280.30480000										1	1
SE MID S		1341.		775.		5.0							
SE 164 S		1349.		856.		5.0							
SE 82 S		1357.		938.		5.0							
SE CNR		1401.		1043.		5.0							
SE 82 E		1485.		981.		5.0							
SE 164 E		1546.		926.		5.0							
SE MID E		1608.		872.		5.0							
NE MID E		1582.		1083.		5.0							
NE 164 E		1521.		1138.		5.0							
NE 82 E		1466.		1200.		5.0							
NE CNR		1422.		1281.		5.0							
NE 82 N		1402.		1367.		5.0							
NE 164 N		1402.		1449.		5.0							
NE MID N		1409.		1531.		5.0							
NW MID N		1317.		1719.		5.0							
NW 164 N		1310.		1638.		5.0							
NW 82 N		1302.		1555.		5.0							
NW CNR		1267.		1462.		5.0							
NW 82 W		1178.		1495.		5.0							
NW 164 W		1126.		1560.		5.0							
NW MIDW		1075.		1624.		5.0							
SW MID W		1062.		1408.		5.0							
SW 164 W		1113.		1342.		5.0							
SW 82 W		1160.		1272.		5.0							
SW CNR		1206.		1204.		5.0							
SW 82 S		1226.		1123.		5.0							
SW 164 S		1237.		1038.		5.0							
SW MID S		1237.		955.		5.0							
SITE 10 HIGHLRT 2030AM		38 1 0											
1													
0		650nbAP	AG	1236.	15.	1271.	361.	1330	3.0	0	56	30.	
0	1	650nbT	AG	1271.	361.	1355.	1221.	950	3.0	0	56	30.	
0	2	650nbTq	AG	1343.	1096.	1304.	697.	0.	36	3			
0	150		85	2.0	950	32.1	1675	1	3				
1													
0		650nbL	AG	1247.	388.	1329.	1246.	300	3.0	0	32	30.	
0	2	650nbLq	AG	1316.	1110.	1277.	702.	0.	12	1			
0	150		126	2.0	300	32.1	1717	1	3				
1													
0		650nbD	AG	1356.	1220.	1420.	2001.	1320	3.0	0	56	30.	
0	1	650nbD	AG	1420.	2001.	1507.	2421.	1320	3.0	0	56	30.	
0	1	650sbAP	AG	1463.	2422.	1386.	2066.	2670	3.0	0	56	30.	
0	1	650sbAP	AG	1386.	2066.	1350.	1713.	2670	3.0	0	56	30.	
0	1	650sbT	AG	1351.	1713.	1306.	1295.	2250	3.0	0	56	30.	
0	2	650sbTq	AG	1315.	1375.	1349.	1693.	0.	36	3			
0	150		78	2.0	2250	32.1	1673	1	3				
1													
0		650sbL	AG	1372.	1706.	1331.	1273.	210	3.0	0	32	30.	
0	2	650sbLq	AG	1338.	1348.	1370.	1691.	0.	12	1			
0	150		120	2.0	210	32.1	1770	1	3				
1													
0		650sbD	AG	1306.	1294.	1178.	15.	2995	3.0	0	56	30.	
0	1	193wbAP	AG	2729.	161.	1679.	955.	1910	3.0	0	56	30.	
0	1	193wbT	AG	1679.	954.	1336.	1269.	1430	3.0	0	56	30.	
0	2	650wbT	AG	1444.	1170.	1670.	962.	0.	36	3			
0	150		95	2.0	1430	32.1	1655	1	3				
1													
0		193wbL	AG	1649.	949.	1334.	1233.	210	3.0	0	32	30.	
0	2	650wbL	AG	1426.	1151.	1644.	954.	0.	12	1			
0	150		130	2.0	210	32.1	1770	1	3				
1													
0		193wbD	AG	1336.	1269.	1001.	1661.	1940	3.0	0	56	30.	
0	1	193wbD	AG	1001.	1661.	429.	2424.	1940	3.0	0	56	30.	
0	1	650nbR	AG	1297.	505.	1350.	1048.	80	3.0	0	32	30.	
0	1	650nbR	AG	1353.	1047.	1426.	1070.	80	3.0	0	32	30.	
0	1	650sbR	AG	1334.	1706.	1311.	1458.	210	3.0	0	32	30.	
0	1	650sbR	AG	1311.	1458.	1212.	1415.	210	3.0	0	32	30.	
0	1	193wbR	AG	1666.	987.	1450.	1178.	270	3.0	0	32	30.	
0	1	193wbR	AG	1450.	1178.	1402.	1274.	270	3.0	0	32	30.	
0	1	193wbR	AG	1402.	1274.	1371.	1385.	270	3.0	0	32	30.	
0	1	193ebAP	AG	321.	2423.	1023.	1497.	1725	3.0	0	56	30.	
1													

0		193ebT	AG	1024.	1497.	1300.	1181.	1090	3.0	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
	150		101	2.0	1090	32.1	1611	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	100	3.0	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
	150		136	2.0	100	32.1	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	535	3.0	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	535	3.0	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	535	3.0	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	1380	3.0	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	1380	3.0	0	56	30.
1.0	04	1000	0Y	5	0	72						

JOB: S10 HIGHLRT 2030AM

RUN: SITE 10 HIGHLRT 2030AM

DATE: 12/20/2007 TIME: 08:56:45.67

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	1330.	3.0	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	950.	3.0	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1328.7	949.8	*	147.	186. AG	146.	100.0	.0	36.0	.46 7.5
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	300.	3.0	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1219.7	102.7	*	1012.	185. AG	72.	100.0	.0	12.0	1.32 51.4
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	1320.	3.0	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	1320.	3.0	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	2670.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	2670.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	2250.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1361.5	1810.3	*	438.	6. AG	134.	100.0	.0	36.0	.99 22.2
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	210.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1350.9	1485.8	*	138.	5. AG	69.	100.0	.0	12.0	.69 7.0
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	2995.	3.0	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	1910.	3.0	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1430.	3.0	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1637.6	991.8	*	263.	133. AG	164.	100.0	.0	36.0	.85 13.4
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	210.	3.0	.0	32.0	
19. 0	650wbL	1426.0	1151.0	1752.6	855.8	*	440.	132. AG	75.	100.0	.0	12.0	1.12 22.4
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	1940.	3.0	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	1940.	3.0	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	80.	3.0	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	80.	3.0	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	210.	3.0	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	210.	3.0	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	270.	3.0	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	270.	3.0	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	270.	3.0	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	1725.	3.0	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	1090.	3.0	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	1060.8	1453.7	*	200.	319. AG	174.	100.0	.0	36.0	.75 10.2
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	100.	3.0	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1156.0	1387.7	*	93.	320. AG	78.	100.0	.0	12.0	.85 4.7
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	535.	3.0	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	535.	3.0	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	535.	3.0	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	1380.	3.0	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	1380.	3.0	.0	56.0	

JOB: S10 HIGHLRT 2030AM

RUN: SITE 10 HIGHLRT 2030AM

DATE: 12/20/2007 TIME: 08:56:45.67

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	85	2.0	950	1675	32.10	1	3
5. 0	650nbLq	150	126	2.0	300	1717	32.10	1	3
11. 0	650sbTq	150	78	2.0	2250	1673	32.10	1	3
13. 0	650sbLq	150	120	2.0	210	1770	32.10	1	3
17. 0	650wbT	150	95	2.0	1430	1655	32.10	1	3
19. 0	650wbL	150	130	2.0	210	1770	32.10	1	3
31. 0	193ebTQ	150	101	2.0	1090	1611	32.10	1	3
33. 0	193ebLQ	150	136	2.0	100	1770	32.10	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*

17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: S10 HIGHLRT 2030AM

RUN: SITE 10 HIGHLRT 2030AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.4	.5	.6	.4	.5	.5	.5	.0	.0	.0	.2	.3	.4	.4	.2	.3	.4	.1	.0	.0
5.	*	.3	.4	.4	.3	.5	.5	.4	.0	.0	.0	.1	.2	.3	.4	.3	.4	.5	.3	.0	.0
10.	*	.2	.2	.3	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.4	.5	.6	.4	.0	.0	.0
15.	*	.2	.2	.2	.3	.5	.5	.4	.0	.0	.0	.1	.1	.1	.5	.6	.8	.4	.0	.0	.0
20.	*	.1	.2	.2	.3	.5	.5	.4	.0	.0	.0	.0	.1	.1	.6	.8	.8	.5	.1	.0	.0
25.	*	.1	.1	.1	.4	.5	.5	.3	.0	.0	.0	.0	.1	.0	.7	.9	.9	.5	.2	.0	.0
30.	*	.1	.1	.1	.4	.5	.5	.2	.0	.0	.0	.0	.0	.0	.7	.8	1.0	.6	.2	.1	.1
35.	*	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.7	.8	.9	.6	.2	.1	.1
40.	*	.1	.1	.1	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.8	.8	.7	.6	.2	.2	.2
45.	*	.1	.1	.1	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.8	.8	.7	.6	.2	.2	.2
50.	*	.1	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.8	.7	.7	.6	.2	.1	.1
55.	*	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1	.1
60.	*	.0	.1	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1	.1
65.	*	.0	.1	.1	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.1	.1
70.	*	.0	.0	.1	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
75.	*	.0	.0	.1	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.5	.2	.2	.2
80.	*	.0	.0	.1	.5	.4	.2	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.5	.2	.2	.2
85.	*	.0	.0	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.6	.7	.7	.6	.2	.2	.2
90.	*	.0	.0	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
95.	*	.0	.0	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
100.	*	.0	.0	.1	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
105.	*	.0	.0	.1	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
110.	*	.0	.0	.1	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.7	.7	.7	.6	.2	.2	.2
115.	*	.0	.0	.0	.3	.4	.3	.3	.0	.1	.0	.0	.0	.0	.7	.7	.7	.6	.3	.2	.2
120.	*	.0	.0	.0	.2	.4	.3	.3	.3	.1	.0	.0	.0	.0	.7	.7	.7	.7	.3	.3	.3
125.	*	.0	.0	.0	.2	.3	.3	.3	.3	.4	.3	.0	.0	.0	.7	.7	.7	.7	.3	.3	.3
130.	*	.0	.0	.0	.1	.2	.2	.2	.3	.4	.4	.1	.0	.0	.7	.7	.7	.6	.3	.3	.3
135.	*	.0	.0	.0	.1	.1	.2	.1	.4	.7	.6	.2	.0	.0	.7	.7	.7	.7	.5	.4	.4
140.	*	.0	.0	.0	.0	.1	.1	.1	.7	.8	.7	.4	.1	.0	.7	.7	.7	.7	.4	.2	.2
145.	*	.0	.0	.0	.0	.1	.0	.0	.9	.9	.7	.4	.1	.1	.0	.7	.7	.7	.6	.5	.2
150.	*	.0	.0	.0	.0	.0	.0	.0	.8	.9	.8	.4	.1	.1	.0	.7	.8	1.0	.6	.4	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.8	.9	.8	.4	.3	.1	.1	.7	.8	1.0	.5	.4	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.4	.2	.1	.1	.8	.9	1.0	.4	.4	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.4	.2	.1	.1	.8	.8	.9	.4	.5	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.8	.3	.2	.2	.2	.8	.9	1.0	.3	.5	.5
175.	*	.1	.1	.1	.0	.0	.0	.0	.9	1.0	.8	.2	.2	.2	.2	.9	.9	.7	.4	.4	.5
180.	*	.1	.2	.2	.0	.0	.0	.0	.8	.9	.7	.2	.3	.2	.2	.6	.7	.6	.4	.4	.5
185.	*	.3	.3	.3	.1	.0	.0	.0	.8	.8	.7	.4	.5	.2	.3	.6	.5	.6	.2	.5	.4
190.	*	.3	.3	.3	.3	.0	.0	.0	.8	.8	.8	.5	.6	.4	.3	.5	.5	.5	.2	.4	.4
195.	*	.3	.3	.4	.3	.0	.0	.0	.8	.8	.9	.5	.7	.4	.4	.3	.3	.4	.2	.4	.4
200.	*	.4	.4	.4	.4	.1	.0	.0	.8	.9	.9	.5	.4	.3	.6	.3	.4	.4	.2	.4	.4
205.	*	.4	.4	.4	.4	.1	.1	.0	.9	.9	.9	.6	.3	.4	.6	.1	.3	.3	.2	.4	.3

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JOB: S10 HIGHLRT 2030AM

RUN: SITE 10 HIGHLRT 2030AM

PAGE 4

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.4	.4	.4	.4	.2	.1	.0	.9	1.0	.9	.5	.3	.5	.6	.1	.1	.2	.2	.4	.3
215.	*	.4	.4	.4	.4	.2	.1	.1	.9	1.0	.8	.3	.2	.6	.6	.1	.1	.2	.2	.4	.3
220.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.1	.7	.2	.3	.7	.6	.1	.1	.2	.2	.4	.3
225.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.0	.6	.2	.3	.6	.7	.0	.2	.2	.3	.4	.2
230.	*	.4	.4	.4	.5	.2	.1	.1	.9	1.0	.5	.3	.4	.5	.6	.0	.2	.2	.3	.4	.2
235.	*	.4	.4	.4	.5	.1	.1	.1	.9	1.0	.5	.3	.4	.6	.5	.0	.0	.2	.3	.4	.2
240.	*	.4	.4	.4	.5	.1	.1	.1	.9	1.0	.3	.3	.4	.7	.5	.0	.0	.2	.3	.4	.2
245.	*	.4	.4	.4	.6	.1	.1	.1	1.0	1.0	.2	.3	.3	.7	.5	.0	.0	.2	.3	.3	.2
250.	*	.4	.4	.4	.6	.1	.1	.1	1.0	1.0	.2	.3	.4	.7	.5	.0	.0	.2	.2	.3	.3
255.	*	.4	.4	.4	.6	.2	.1	.1	1.0	1.0	.2	.3	.4	.7	.5	.0	.0	.1	.2	.3	.3
260.	*	.4	.4	.4	.6	.2	.1	.1	1.0	1.0	.2	.3	.5	.7	.4	.0	.0	.1	.2	.3	.3
265.	*	.4	.4	.4	.6	.2	.1	.1	1.1	1.0	.2	.3	.6	.7	.4	.0	.0	.1	.2	.2	.3
270.	*	.4	.4	.5	.6	.2	.1	.1	1.1	1.0	.2	.4	.6	.7	.4	.0	.0	.1	.2	.2	.3
275.	*	.3	.3	.4	.6	.2	.2	.1	1.1	.9	.2	.4	.6	.7	.4	.0	.0	.1	.2	.2	.3
280.	*	.3	.4	.5	.6	.2	.2	.1	1.1	.9	.2	.4	.6	.6	.4	.0	.0	.1	.1	.3	.3

285.	*	.4	.4	.5	.5	.2	.2	.1	1.0	.8	.3	.4	.6	.6	.4	.0	.0	.0	.1	.3	.3
290.	*	.4	.4	.6	.5	.2	.2	.2	.9	.7	.3	.4	.7	.6	.4	.0	.0	.0	.1	.4	.3
295.	*	.4	.4	.6	.5	.2	.2	.2	.9	.8	.4	.4	.6	.5	.4	.0	.1	.0	.2	.4	.3
300.	*	.4	.4	.7	.4	.3	.3	.3	.7	.7	.3	.4	.6	.5	.4	.0	.1	.1	.2	.4	.4
305.	*	.4	.4	.7	.4	.3	.3	.3	.6	.6	.4	.5	.6	.4	.4	.0	.0	.1	.2	.4	.4
310.	*	.4	.4	.7	.6	.3	.3	.2	.5	.5	.5	.4	.5	.4	.4	.0	.0	.1	.3	.5	.4
315.	*	.4	.4	.8	.5	.3	.3	.2	.3	.3	.5	.4	.5	.4	.4	.0	.0	.0	.2	.4	.4
320.	*	.4	.4	.8	.5	.3	.3	.3	.2	.4	.4	.5	.5	.4	.4	.0	.0	.0	.1	.3	.3
325.	*	.4	.4	.8	.6	.3	.3	.3	.3	.3	.4	.4	.5	.5	.5	.0	.0	.0	.0	.3	.2
330.	*	.4	.5	.9	.6	.2	.3	.5	.1	.2	.3	.5	.5	.5	.5	.0	.0	.0	.0	.2	.2
335.	*	.4	.5	1.0	.4	.3	.5	.6	.1	.2	.3	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1
340.	*	.4	.5	.9	.5	.5	.6	.6	.1	.1	.3	.4	.5	.5	.6	.0	.0	.0	.0	.1	.0
345.	*	.5	.6	.7	.4	.6	.7	.6	.0	.1	.3	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0
350.	*	.4	.5	.8	.4	.6	.6	.6	.0	.1	.2	.3	.5	.6	.6	.1	.0	.2	.0	.0	.0
355.	*	.4	.6	.7	.4	.5	.5	.5	.0	.0	.1	.2	.4	.5	.4	.1	.2	.3	.0	.0	.0
360.	*	.4	.5	.6	.4	.5	.5	.5	.0	.0	.0	.2	.3	.4	.4	.2	.3	.4	.1	.0	.0
-----																					
MAX	*	.5	.6	1.0	.6	.6	.7	.6	1.1	1.1	.9	.6	.7	.7	.7	.9	.9	1.0	.7	.5	.5
DEGR.	*	345	345	335	245	345	345	335	265	220	195	205	195	220	225	175	170	30	120	135	155

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JOB: S10 HIGHLRT 2030AM

RUN: SITE 10 HIGHLRT 2030AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.6	.7	.8	.4	.5	.3	.3
5.	*	.0	.7	.7	.8	.5	.5	.4	.3
10.	*	.0	.7	.7	.8	.6	.6	.5	.4
15.	*	.0	.7	.7	.9	.5	.6	.5	.4
20.	*	.0	.7	.7	.9	.5	.7	.7	.4
25.	*	.0	.8	.8	.9	.4	.5	.4	.6
30.	*	.0	.8	.9	.9	.5	.6	.4	.6
35.	*	.0	.9	.9	.9	.5	.4	.3	.5
40.	*	.0	.9	1.0	.8	.6	.3	.3	.5
45.	*	.1	.9	1.1	.8	.5	.3	.3	.7
50.	*	.1	.9	1.1	.7	.4	.3	.4	.7
55.	*	.1	.9	1.1	.6	.2	.3	.6	.7
60.	*	.1	.9	1.0	.6	.2	.3	.5	.7
65.	*	.1	1.0	1.0	.5	.2	.3	.5	.7
70.	*	.1	1.0	1.1	.4	.2	.4	.5	.7
75.	*	.1	1.0	1.1	.4	.3	.5	.6	.7
80.	*	.1	1.0	1.1	.3	.3	.5	.6	.7
85.	*	.1	1.0	1.0	.4	.4	.5	.6	.6
90.	*	.1	1.1	1.0	.3	.5	.5	.7	.5
95.	*	.1	1.0	.9	.3	.5	.6	.6	.5
100.	*	.2	.9	.9	.3	.6	.7	.6	.5
105.	*	.2	1.0	.8	.5	.5	.7	.5	.4
110.	*	.1	1.0	.7	.5	.4	.7	.5	.4
115.	*	.1	1.0	.8	.5	.5	.7	.5	.4
120.	*	.2	1.0	.7	.5	.4	.6	.5	.4
125.	*	.2	.9	.6	.5	.5	.6	.4	.4
130.	*	.2	.7	.6	.5	.4	.6	.4	.4
135.	*	.3	.5	.4	.4	.5	.6	.5	.4
140.	*	.2	.5	.4	.3	.4	.5	.5	.4
145.	*	.2	.4	.3	.2	.5	.5	.5	.5
150.	*	.4	.3	.1	.2	.5	.5	.4	.5
155.	*	.5	.2	.1	.3	.5	.5	.5	.5
160.	*	.5	.1	.1	.2	.5	.5	.5	.6
165.	*	.4	.1	.1	.2	.4	.4	.4	.6
170.	*	.4	.1	.1	.2	.4	.3	.4	.5
175.	*	.4	.1	.1	.1	.3	.3	.4	.5
180.	*	.3	.0	.1	.1	.2	.3	.4	.5
185.	*	.3	.0	.0	.1	.1	.2	.3	.4
190.	*	.3	.0	.0	.0	.1	.1	.2	.2
195.	*	.2	.0	.0	.0	.0	.1	.1	.2
200.	*	.2	.0	.0	.0	.0	.0	.1	.1
205.	*	.2	.0	.0	.0	.0	.0	.0	.1

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JOB: S10 HIGHLRT 2030AM

RUN: SITE 10 HIGHLRT 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.2	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.3	.0	.0	.0	.0	.0	.0	.0
225.	*	.3	.0	.0	.0	.0	.0	.0	.0
230.	*	.3	.0	.0	.0	.0	.0	.0	.0

235.	*	.3	.0	.0	.0	.0	.0	.0
240.	*	.3	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0
250.	*	.3	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0
260.	*	.3	.0	.0	.0	.0	.0	.0
265.	*	.3	.0	.0	.0	.0	.0	.0
270.	*	.3	.0	.0	.0	.0	.0	.0
275.	*	.3	.0	.0	.0	.0	.0	.0
280.	*	.3	.0	.0	.0	.0	.0	.0
285.	*	.4	.0	.0	.0	.0	.0	.0
290.	*	.4	.0	.0	.0	.0	.0	.0
295.	*	.4	.0	.0	.0	.0	.0	.0
300.	*	.3	.0	.0	.0	.0	.0	.0
305.	*	.3	.0	.0	.0	.0	.0	.0
310.	*	.4	.1	.1	.1	.0	.0	.0
315.	*	.4	.2	.3	.1	.1	.0	.0
320.	*	.3	.2	.4	.3	.1	.1	.0
325.	*	.2	.5	.4	.4	.5	.1	.0
330.	*	.1	.5	.6	.6	.5	.1	.0
335.	*	.1	.6	.7	.6	.4	.1	.0
340.	*	.0	.6	.6	.7	.5	.2	.1
345.	*	.0	.6	.7	.7	.5	.3	.1
350.	*	.0	.7	.7	.7	.5	.4	.2
355.	*	.0	.6	.7	.7	.5	.4	.3
360.	*	.0	.6	.7	.8	.4	.5	.3
-----*								
MAX	*	.5	1.1	1.1	.9	.6	.7	.7
DEGR.	*	155	90	45	15	10	20	45

THE HIGHEST CONCENTRATION IS    1.10 PPM AT   265 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS    1.10 PPM AT   220 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS    1.10 PPM AT    90 DEGREES FROM REC22.



S10 HIGHLRT 2030PM		60.0321.0.0000.000280.30480000				1	1
SE MID S	1341.	775.	5.0				
SE 164 S	1349.	856.	5.0				
SE 82 S	1357.	938.	5.0				
SE CNR	1401.	1043.	5.0				
SE 82 E	1485.	981.	5.0				
SE 164 E	1546.	926.	5.0				
SE MID E	1608.	872.	5.0				
NE MID E	1582.	1083.	5.0				
NE 164 E	1521.	1138.	5.0				
NE 82 E	1466.	1200.	5.0				
NE CNR	1422.	1281.	5.0				
NE 82 N	1402.	1367.	5.0				
NE 164 N	1402.	1449.	5.0				
NE MID N	1409.	1531.	5.0				
NW MID N	1317.	1719.	5.0				
NW 164 N	1310.	1638.	5.0				
NW 82 N	1302.	1555.	5.0				
NW CNR	1267.	1462.	5.0				
NW 82 W	1178.	1495.	5.0				
NW 164 W	1126.	1560.	5.0				
NW MIDW	1075.	1624.	5.0				
SW MID W	1062.	1408.	5.0				
SW 164 W	1113.	1342.	5.0				
SW 82 W	1160.	1272.	5.0				
SW CNR	1206.	1204.	5.0				
SW 82 S	1226.	1123.	5.0				
SW 164 S	1237.	1038.	5.0				
SW MID S	1237.	955.	5.0				
SITE 10 HIGHLRT 2030PM		38	1	0			
1							
0	650nbAP	AG	1236.	15.	1271.	361.	2875 3.1 0 56 30.
1							
0	650nbT	AG	1271.	361.	1355.	1221.	2120 3.1 0 56 30.
2							
0	650nbTq	AG	1343.	1096.	1304.	697.	0. 36 3
150		89	2.0	2120	32.1	1671 1 3	
1							
0	650nbL	AG	1247.	388.	1329.	1246.	535 3.1 0 32 30.
2							
0	650nbLq	AG	1316.	1110.	1277.	702.	0. 12 1
150		119	2.0	535	32.1	1717 1 3	
1							
0	650nbD	AG	1356.	1220.	1420.	2001.	2500 3.1 0 56 30.
1							
0	650nbD	AG	1420.	2001.	1507.	2421.	2500 3.1 0 56 30.
1							
0	650sbAP	AG	1463.	2422.	1386.	2066.	1720 3.0 0 56 30.
1							
0	650sbAP	AG	1386.	2066.	1350.	1713.	1720 3.0 0 56 30.
1							
0	650sbT	AG	1351.	1713.	1306.	1295.	1270 3.0 0 56 30.
2							
0	650sbTq	AG	1315.	1375.	1349.	1693.	0. 36 3
150		94	2.0	1270	32.1	1678 1 3	
1							
0	650sbL	AG	1372.	1706.	1331.	1273.	360 3.0 0 32 30.
2							
0	650sbLq	AG	1338.	1348.	1370.	1691.	0. 12 1
150		124	2.0	360	32.1	1770 1 3	
1							
0	650sbD	AG	1306.	1294.	1178.	15.	1955 3.0 0 56 30.
1							
0	193wbAP	AG	2729.	161.	1679.	955.	2280 2.9 0 56 30.
1							
0	193wbT	AG	1679.	954.	1336.	1269.	1770 2.9 0 56 30.
2							
0	650wbT	AG	1444.	1170.	1670.	962.	0. 36 3
150		88	2.0	1770	32.1	1664 1 3	
1							
0	193wbL	AG	1649.	949.	1334.	1233.	265 2.9 0 32 30.
2							
0	650wbL	AG	1426.	1151.	1644.	954.	0. 12 1
150		128	2.0	265	32.1	1770 1 3	
1							
0	193wbD	AG	1336.	1269.	1001.	1661.	2395 2.9 0 56 30.
1							
0	193wbD	AG	1001.	1661.	429.	2424.	2395 2.9 0 56 30.
1							
0	650nbR	AG	1297.	505.	1350.	1048.	220 3.1 0 32 30.
1							
0	650nbR	AG	1353.	1047.	1426.	1070.	220 3.1 0 32 30.
1							
0	650sbR	AG	1334.	1706.	1311.	1458.	90 3.1 0 32 30.
1							
0	650sbR	AG	1311.	1458.	1212.	1415.	90 3.1 0 32 30.
1							
0	193wbR	AG	1666.	987.	1450.	1178.	245 2.9 0 32 30.
1							
0	193wbR	AG	1450.	1178.	1402.	1274.	245 2.9 0 32 30.
1							
0	193wbR	AG	1402.	1274.	1371.	1385.	245 2.9 0 32 30.
1							
0	193ebAP	AG	321.	2423.	1023.	1497.	2270 3.0 0 56 30.
1							

0		193ebT	AG	1024.	1497.	1300.	1181.	1715	3.0	0	56	30.
2												
0		193ebTQ	AG	1193.	1303.	1029.	1490.	0.	36	3		
150		95		2.0	1715	32.1	1645	1	3			
1												
0		193ebL	AG	1055.	1507.	1308.	1209.	135	3.0	0	32	30.
2												
0		193ebLQ	AG	1216.	1317.	1064.	1496.	0.	12	1		
150		135		2.0	135	32.1	1770	1	3			
1												
0		193ebR	AG	1021.	1481.	1114.	1374.	420	3.0	0	32	30.
1												
0		193ebR	AG	1114.	1374.	1220.	1215.	420	3.0	0	32	30.
1												
0		193ebR	AG	1220.	1215.	1275.	1005.	420	3.0	0	32	30.
1												
0		193ebD	AG	1302.	1182.	1675.	855.	2295	3.0	0	56	30.
1												
0		193ebD	AG	1675.	855.	2731.	45.	2295	3.0	0	56	30.
1.0	04	1000	OY	5	0	72						

JOB: S10 HIGHLRT 2030PM

RUN: SITE 10 HIGHLRT 2030PM

DATE: 12/20/2007 TIME: 09:11:06.13

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	650nbAP	1236.0	15.0	1271.0	361.0	*	348.	6. AG	2875.	3.1	.0	56.0	
2. 0	650nbT	1271.0	361.0	1355.0	1221.0	*	864.	6. AG	2120.	3.1	.0	56.0	
3. 0	650nbTq	1343.0	1096.0	1227.4	-86.5	*	1188.	186. AG	153.	100.0	.0	36.0	1.11 60.4
4. 0	650nbL	1247.0	388.0	1329.0	1246.0	*	862.	5. AG	535.	3.1	.0	32.0	
5. 0	650nbLq	1316.0	1110.0	1057.2	-1597.8	*	2720.	185. AG	68.	100.0	.0	12.0	1.73 138.2
6. 0	650nbD	1356.0	1220.0	1420.0	2001.0	*	784.	5. AG	2500.	3.1	.0	56.0	
7. 0	650nbD	1420.0	2001.0	1507.0	2421.0	*	429.	12. AG	2500.	3.1	.0	56.0	
8. 0	650sbAP	1463.0	2422.0	1386.0	2066.0	*	364.	192. AG	1720.	3.0	.0	56.0	
9. 0	650sbAP	1386.0	2066.0	1350.0	1713.0	*	355.	186. AG	1720.	3.0	.0	56.0	
10. 0	650sbT	1351.0	1713.0	1306.0	1295.0	*	420.	186. AG	1270.	3.0	.0	56.0	
11. 0	650sbTq	1315.0	1375.0	1338.1	1591.2	*	217.	6. AG	162.	100.0	.0	36.0	.73 11.0
12. 0	650sbL	1372.0	1706.0	1331.0	1273.0	*	435.	185. AG	360.	3.0	.0	32.0	
13. 0	650sbLq	1338.0	1348.0	1463.1	2688.9	*	1347.	5. AG	71.	100.0	.0	12.0	1.39 68.4
14. 0	650sbD	1306.0	1294.0	1178.0	15.0	*	1285.	186. AG	1955.	3.0	.0	56.0	
15. 0	193wbAP	2729.0	161.0	1679.0	955.0	*	1316.	307. AG	2280.	2.9	.0	56.0	
16. 0	193wbT	1679.0	954.0	1336.0	1269.0	*	466.	313. AG	1770.	2.9	.0	56.0	
17. 0	650wbT	1444.0	1170.0	1686.3	947.0	*	329.	133. AG	152.	100.0	.0	36.0	.92 16.7
18. 0	193wbL	1649.0	949.0	1334.0	1233.0	*	424.	312. AG	265.	2.9	.0	32.0	
19. 0	650wbL	1426.0	1151.0	2016.2	617.6	*	796.	132. AG	73.	100.0	.0	12.0	1.25 40.4
20. 0	193wbD	1336.0	1269.0	1001.0	1661.0	*	516.	319. AG	2395.	2.9	.0	56.0	
21. 0	193wbD	1001.0	1661.0	429.0	2424.0	*	954.	323. AG	2395.	2.9	.0	56.0	
22. 0	650nbR	1297.0	505.0	1350.0	1048.0	*	546.	6. AG	220.	3.1	.0	32.0	
23. 0	650nbR	1353.0	1047.0	1426.0	1070.0	*	77.	73. AG	220.	3.1	.0	32.0	
24. 0	650sbR	1334.0	1706.0	1311.0	1458.0	*	249.	185. AG	90.	3.1	.0	32.0	
25. 0	650sbR	1311.0	1458.0	1212.0	1415.0	*	108.	247. AG	90.	3.1	.0	32.0	
26. 0	193wbR	1666.0	987.0	1450.0	1178.0	*	288.	311. AG	245.	2.9	.0	32.0	
27. 0	193wbR	1450.0	1178.0	1402.0	1274.0	*	107.	333. AG	245.	2.9	.0	32.0	
28. 0	193wbR	1402.0	1274.0	1371.0	1385.0	*	115.	344. AG	245.	2.9	.0	32.0	
29. 0	193ebAP	321.0	2423.0	1023.0	1497.0	*	1162.	143. AG	2270.	3.0	.0	56.0	
30. 0	193ebT	1024.0	1497.0	1300.0	1181.0	*	420.	139. AG	1715.	3.0	.0	56.0	
31. 0	193ebTQ	1193.0	1303.0	842.4	1702.8	*	532.	319. AG	164.	100.0	.0	36.0	1.02 27.0
32. 0	193ebL	1055.0	1507.0	1308.0	1209.0	*	391.	140. AG	135.	3.0	.0	32.0	
33. 0	193ebLQ	1216.0	1317.0	1075.8	1482.1	*	217.	320. AG	77.	100.0	.0	12.0	1.05 11.0
34. 0	193ebR	1021.0	1481.0	1114.0	1374.0	*	142.	139. AG	420.	3.0	.0	32.0	
35. 0	193ebR	1114.0	1374.0	1220.0	1215.0	*	191.	146. AG	420.	3.0	.0	32.0	
36. 0	193ebR	1220.0	1215.0	1275.0	1005.0	*	217.	165. AG	420.	3.0	.0	32.0	
37. 0	193ebD	1302.0	1182.0	1675.0	855.0	*	496.	131. AG	2295.	3.0	.0	56.0	
38. 0	193ebD	1675.0	855.0	2731.0	45.0	*	1331.	127. AG	2295.	3.0	.0	56.0	

JOB: S10 HIGHLRT 2030PM

RUN: SITE 10 HIGHLRT 2030PM

DATE: 12/20/2007 TIME: 09:11:06.13

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	650nbTq	150	89	2.0	2120	1671	32.10	1	3
5. 0	650nbLq	150	119	2.0	535	1717	32.10	1	3
11. 0	650sbTq	150	94	2.0	1270	1678	32.10	1	3
13. 0	650sbLq	150	124	2.0	360	1770	32.10	1	3
17. 0	650wbT	150	88	2.0	1770	1664	32.10	1	3
19. 0	650wbL	150	128	2.0	265	1770	32.10	1	3
31. 0	193ebTQ	150	95	2.0	1715	1645	32.10	1	3
33. 0	193ebLQ	150	135	2.0	135	1770	32.10	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE MID S	*	1341.0	775.0	5.0	*
2. SE 164 S	*	1349.0	856.0	5.0	*
3. SE 82 S	*	1357.0	938.0	5.0	*
4. SE CNR	*	1401.0	1043.0	5.0	*
5. SE 82 E	*	1485.0	981.0	5.0	*
6. SE 164 E	*	1546.0	926.0	5.0	*
7. SE MID E	*	1608.0	872.0	5.0	*
8. NE MID E	*	1582.0	1083.0	5.0	*
9. NE 164 E	*	1521.0	1138.0	5.0	*
10. NE 82 E	*	1466.0	1200.0	5.0	*
11. NE CNR	*	1422.0	1281.0	5.0	*
12. NE 82 N	*	1402.0	1367.0	5.0	*
13. NE 164 N	*	1402.0	1449.0	5.0	*
14. NE MID N	*	1409.0	1531.0	5.0	*
15. NW MID N	*	1317.0	1719.0	5.0	*
16. NW 164 N	*	1310.0	1638.0	5.0	*

17. NW 82 N	*	1302.0	1555.0	5.0	*
18. NW CNR	*	1267.0	1462.0	5.0	*
19. NW 82 W	*	1178.0	1495.0	5.0	*
20. NW 164 W	*	1126.0	1560.0	5.0	*
21. NW MIDW	*	1075.0	1624.0	5.0	*
22. SW MID W	*	1062.0	1408.0	5.0	*
23. SW 164 W	*	1113.0	1342.0	5.0	*
24. SW 82 W	*	1160.0	1272.0	5.0	*
25. SW CNR	*	1206.0	1204.0	5.0	*
26. SW 82 S	*	1226.0	1123.0	5.0	*
27. SW 164 S	*	1237.0	1038.0	5.0	*
28. SW MID S	*	1237.0	955.0	5.0	*

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JOB: S10 HIGHLRT 2030PM

RUN: SITE 10 HIGHLRT 2030PM

## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	1.1	.9	.8	.5	.7	.6	.6	.0	.0	.1	.2	.4	.5	.2	.2	.2	.0	.0	.0
5.	*	.8	.7	.6	.4	.6	.6	.6	.0	.0	.0	.2	.4	.4	.2	.3	.4	.1	.0	.0
10.	*	.5	.6	.6	.5	.6	.6	.6	.0	.0	.0	.1	.3	.4	.4	.5	.4	.4	.3	.0
15.	*	.4	.4	.4	.4	.6	.6	.6	.0	.0	.0	.1	.2	.2	.5	.4	.5	.4	.0	.0
20.	*	.3	.4	.4	.4	.6	.6	.6	.0	.0	.0	.1	.1	.1	.5	.4	.5	.4	.1	.0
25.	*	.3	.3	.3	.5	.6	.6	.6	.0	.0	.0	.1	.1	.1	.5	.4	.4	.5	.1	.0
30.	*	.1	.2	.2	.5	.6	.6	.6	.0	.0	.0	.0	.1	.1	.4	.4	.6	.5	.2	.0
35.	*	.1	.2	.2	.5	.6	.6	.4	.0	.0	.0	.0	.1	.0	.4	.5	.6	.6	.2	.0
40.	*	.1	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.4	.4	.7	.6	.2	.0
45.	*	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.4	.7	.6	.2	.1
50.	*	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.6	.6	.2	.1
55.	*	.1	.2	.2	.6	.6	.6	.5	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.2	.1
60.	*	.1	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.2	.1
65.	*	.0	.2	.2	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
70.	*	.0	.2	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
75.	*	.0	.1	.2	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.1
80.	*	.0	.1	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.2	.2
85.	*	.0	.0	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
90.	*	.0	.0	.2	.6	.7	.5	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
95.	*	.1	.1	.1	.6	.6	.4	.5	.0	.0	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
100.	*	.1	.2	.2	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.2
105.	*	.1	.2	.2	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.3	.2
110.	*	.1	.1	.2	.5	.7	.5	.6	.0	.0	.0	.0	.0	.0	.4	.3	.7	.6	.2	.2
115.	*	.0	.1	.2	.6	.6	.5	.5	.1	.2	.0	.0	.0	.0	.3	.3	.7	.6	.3	.2
120.	*	.0	.1	.1	.5	.6	.5	.5	.3	.3	.1	.0	.0	.0	.3	.3	.7	.6	.3	.3
125.	*	.0	.0	.1	.5	.5	.5	.4	.3	.4	.3	.1	.0	.0	.3	.3	.8	.6	.3	.3
130.	*	.0	.0	.0	.4	.4	.4	.3	.6	.8	.5	.2	.0	.0	.3	.4	.8	.6	.5	.4
135.	*	.0	.0	.0	.2	.3	.2	.2	.8	.9	.7	.4	.1	.0	.3	.4	.8	.7	.5	.4
140.	*	.0	.0	.0	.1	.2	.2	.2	.9	1.0	.9	.6	.2	.0	.4	.5	.8	.7	.5	.4
145.	*	.0	.0	.0	.0	.1	.1	.1	.9	1.0	.8	.4	.2	.1	.0	.4	.6	.9	.6	.4
150.	*	.0	.0	.0	.0	.1	.0	.0	1.0	1.1	.9	.5	.3	.1	.0	.4	.6	.9	.7	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.5	.3	.1	.1	.5	.8	.9	.8	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.9	.5	.4	.2	.2	.5	.8	1.0	.8	.7
165.	*	.2	.2	.2	.0	.0	.0	.0	.9	1.0	.9	.5	.3	.3	.2	.5	.8	1.0	.7	.8
170.	*	.2	.2	.2	.0	.0	.0	.0	.9	.9	.8	.4	.5	.5	.2	.7	.9	1.2	.6	.9
175.	*	.3	.3	.3	.1	.0	.0	.0	.9	.9	.8	.4	.6	.7	.4	.7	1.0	1.0	.5	.9
180.	*	.6	.6	.6	.2	.0	.0	.0	.9	.9	.9	.5	.6	.5	.4	.7	.9	1.0	.5	.8
185.	*	.8	1.0	1.0	.4	.1	.0	.0	.9	1.0	.9	.6	.9	.7	.7	.6	.6	.8	.4	.8
190.	*	1.0	1.1	1.1	.6	.1	.0	.0	.9	1.0	1.2	.7	.9	.7	.7	.3	.6	.6	.4	.6
195.	*	1.1	1.1	1.1	.6	.2	.1	.0	.9	1.0	1.1	.8	.9	.7	.8	.2	.3	.4	.2	.6
200.	*	1.1	1.2	1.2	.8	.4	.1	.1	.9	1.1	1.1	.8	.9	.7	.8	.2	.3	.2	.3	.6
205.	*	1.2	1.2	1.2	.8	.5	.1	.1	.9	1.3	1.1	.8	.6	.5	.8	.2	.2	.2	.3	.6

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JOB: S10 HIGHLRT 2030PM

RUN: SITE 10 HIGHLRT 2030PM

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	1.1	1.1	1.1	.7	.5	.1	.1	.9	1.3	1.0	.6	.5	.6	.9	.1	.2	.2	.3	.6
215.	*	1.1	1.1	1.1	.7	.5	.2	.1	1.0	1.3	1.0	.6	.5	.8	.8	.1	.2	.2	.3	.6
220.	*	1.1	1.1	1.1	.7	.5	.2	.1	1.0	1.2	.9	.5	.5	.7	.8	.1	.2	.2	.4	.6
225.	*	1.0	1.0	1.0	.7	.4	.2	.1	1.0	1.2	.6	.4	.5	.7	.9	.2	.2	.2	.4	.6
230.	*	.9	.9	.9	.7	.4	.2	.1	1.0	1.1	.6	.4	.5	.7	1.0	.2	.2	.2	.4	.6
235.	*	.9	.9	.9	.6	.4	.2	.1	1.0	1.1	.6	.3	.3	.9	1.0	.1	.2	.2	.5	.6
240.	*	.9	.9	.9	.6	.4	.2	.1	1.0	1.1	.4	.3	.3	.9	1.0	.1	.2	.2	.5	.6
245.	*	.9	.9	.9	.6	.4	.2	.1	1.0	1.1	.4	.3	.4	.8	.9	.1	.2	.2	.5	.6
250.	*	.8	.8	.8	.6	.4	.2	.1	1.0	1.1	.4	.5	.5	.8	.9	.1	.2	.2	.5	.6
255.	*	.8	.8	.8	.6	.4	.2	.1	1.1	1.1	.4	.5	.5	.8	.9	.1	.2	.2	.5	.6
260.	*	.8	.8	.8	.6	.3	.2	.1	1.1	1.1	.5	.6	.6	.8	.9	.1	.2	.2	.5	.5
265.	*	.8	.8	.8	.6	.3	.2	.1	1.1	1.0	.4	.6	.7	.8	.9	.1	.1	.2	.3	.4
270.	*	.8	.8	.8	.6	.3	.2	.1	1.1	1.0	.4	.6	.7	.9	1.0	.0	.1	.2	.3	.4
275.	*	.8	.8	.8	.6	.3	.2	.1	1.0	1.0	.5	.5	.7	.9	1.0	.0	.1	.3	.3	.6
280.	*	.8	.8	.8	.6	.3	.2	.1	1.0	.9	.5	.5	.7	.9	.8	.1	.1	.3	.3	.6

285.	*	.8	.8	.8	.6	.3	.2	.1	.9	.8	.6	.5	.8	.8	.7	.1	.1	.3	.4	.6	.6
290.	*	.8	.8	.8	.6	.4	.2	.2	.9	.7	.6	.5	.8	.8	.6	.1	.2	.2	.3	.6	.6
295.	*	.8	.8	.8	.5	.3	.3	.2	.9	.6	.5	.5	.8	.9	.6	.1	.1	.2	.3	.6	.5
300.	*	.8	.8	.8	.4	.4	.3	.2	.7	.7	.5	.4	.9	.7	.6	.0	.1	.2	.3	.5	.6
305.	*	.9	.9	.9	.6	.6	.4	.3	.8	.7	.4	.6	.9	.8	.6	.0	.1	.2	.4	.6	.6
310.	*	.9	.9	.9	.7	.6	.5	.4	.7	.7	.4	.7	.8	.7	.6	.0	.0	.1	.3	.6	.4
315.	*	.9	.9	.9	.6	.5	.5	.4	.7	.6	.5	.6	.7	.7	.6	.0	.0	.1	.3	.5	.4
320.	*	.9	.9	1.0	.7	.5	.4	.5	.3	.5	.3	.6	.7	.7	.6	.0	.0	.0	.1	.5	.4
325.	*	1.0	1.0	1.0	.8	.6	.4	.5	.4	.3	.3	.6	.7	.7	.6	.0	.0	.0	.0	.3	.2
330.	*	1.1	1.1	1.1	.8	.5	.5	.6	.3	.3	.2	.6	.7	.7	.5	.0	.0	.0	.0	.3	.2
335.	*	1.2	1.2	1.1	.6	.5	.7	.7	.1	.2	.3	.6	.7	.7	.5	.0	.0	.0	.0	.1	.2
340.	*	1.2	1.2	1.1	.5	.6	.7	.8	.1	.3	.3	.5	.7	.7	.6	.0	.0	.0	.0	.1	.1
345.	*	1.2	1.2	1.1	.6	.7	.8	.7	.1	.2	.3	.4	.6	.7	.6	.0	.0	.0	.0	.1	.0
350.	*	1.1	1.0	1.2	.7	.7	.8	.7	.0	.1	.3	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0
355.	*	1.0	1.1	1.0	.7	.6	.6	.6	.0	.1	.2	.4	.5	.5	.6	.1	.1	.0	.0	.0	.0
360.	*	1.1	.9	.8	.5	.7	.6	.6	.0	.0	.1	.2	.4	.5	.5	.2	.2	.2	.0	.0	.0
MAX	*	1.2	1.2	1.2	.8	.7	.8	.8	1.1	1.3	1.2	.8	.9	.9	1.0	.7	1.0	1.2	.8	.9	.8
DEGR.	*	205	200	200	200	90	345	340	255	205	190	195	185	235	230	170	175	170	155	170	160

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JOB: S10 HIGHLRT 2030PM

RUN: SITE 10 HIGHLRT 2030PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	1.0	.9	.9	.5	.4	.3	.1
5.	*	.0	.9	.9	.8	.4	.5	.5	.3
10.	*	.0	.9	.9	.8	.5	.6	.5	.4
15.	*	.0	.9	.8	.7	.5	.7	.4	.3
20.	*	.0	.9	.8	.9	.6	.7	.4	.4
25.	*	.0	.9	.7	.9	.6	.7	.3	.5
30.	*	.0	.8	.8	.9	.6	.5	.4	.6
35.	*	.0	.9	.8	.9	.6	.3	.5	.6
40.	*	.0	.9	.9	.8	.4	.3	.4	.6
45.	*	.0	1.0	1.0	.8	.3	.3	.4	.7
50.	*	.0	1.0	1.0	.6	.4	.2	.5	.8
55.	*	.0	1.1	1.0	.5	.4	.3	.6	.8
60.	*	.0	1.1	.9	.5	.3	.3	.7	.8
65.	*	.1	1.1	.9	.4	.3	.3	.7	.8
70.	*	.1	1.1	.9	.3	.3	.4	.7	.8
75.	*	.1	1.1	.9	.3	.3	.5	.7	.8
80.	*	.1	1.1	1.0	.3	.4	.5	.8	.8
85.	*	.1	1.1	1.0	.3	.3	.5	.8	.8
90.	*	.1	1.1	.9	.2	.4	.5	.8	.8
95.	*	.1	1.2	.9	.3	.6	.6	.8	.7
100.	*	.2	1.2	.9	.3	.6	.6	.8	.6
105.	*	.2	1.1	.9	.5	.6	.6	.8	.6
110.	*	.2	1.1	.8	.6	.7	.7	.8	.7
115.	*	.2	1.0	.8	.6	.7	.8	.8	.7
120.	*	.3	1.0	.9	.8	.6	.8	.7	.7
125.	*	.3	.9	.8	.6	.7	.8	.7	.6
130.	*	.2	.8	.8	.6	.5	.6	.6	.6
135.	*	.3	.6	.5	.5	.5	.6	.6	.6
140.	*	.2	.5	.7	.4	.5	.6	.6	.6
145.	*	.3	.5	.4	.3	.6	.6	.6	.6
150.	*	.4	.4	.4	.3	.6	.6	.6	.6
155.	*	.6	.4	.3	.4	.6	.6	.6	.7
160.	*	.7	.2	.3	.4	.6	.7	.6	.7
165.	*	.8	.1	.3	.4	.6	.6	.6	.8
170.	*	.8	.1	.3	.4	.5	.6	.6	.8
175.	*	.7	.1	.1	.3	.5	.5	.6	.7
180.	*	.6	.0	.1	.3	.3	.5	.6	.6
185.	*	.5	.0	.0	.1	.3	.3	.4	.4
190.	*	.5	.0	.0	.0	.0	.2	.3	.4
195.	*	.4	.0	.0	.0	.0	.0	.1	.2
200.	*	.4	.0	.0	.0	.0	.0	.0	.1
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

1

JOB: S10 HIGHLRT 2030PM

RUN: SITE 10 HIGHLRT 2030PM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.5	.0	.0	.0	.0	.0	.0	.0
215.	*	.5	.0	.0	.0	.0	.0	.0	.0
220.	*	.5	.0	.0	.0	.0	.0	.0	.0
225.	*	.5	.0	.0	.0	.0	.0	.0	.0
230.	*	.5	.0	.0	.0	.0	.0	.0	.0

235.	*	.5	.0	.0	.0	.0	.0	.0	.0
240.	*	.5	.0	.0	.0	.0	.0	.0	.0
245.	*	.5	.0	.0	.0	.0	.0	.0	.0
250.	*	.5	.0	.0	.0	.0	.0	.0	.0
255.	*	.5	.0	.0	.0	.0	.0	.0	.0
260.	*	.5	.0	.0	.0	.0	.0	.0	.0
265.	*	.5	.0	.0	.0	.0	.0	.0	.0
270.	*	.5	.0	.0	.0	.0	.0	.0	.0
275.	*	.5	.0	.0	.0	.0	.0	.0	.0
280.	*	.5	.0	.0	.0	.0	.0	.0	.0
285.	*	.5	.0	.0	.0	.0	.0	.0	.0
290.	*	.5	.0	.0	.0	.0	.0	.0	.0
295.	*	.5	.0	.0	.0	.0	.0	.0	.0
300.	*	.5	.1	.1	.0	.0	.0	.0	.0
305.	*	.5	.2	.1	.1	.1	.0	.0	.0
310.	*	.4	.4	.4	.1	.1	.0	.0	.0
315.	*	.4	.5	.5	.3	.2	.1	.0	.0
320.	*	.4	.7	.6	.5	.4	.1	.1	.0
325.	*	.3	.9	.7	.6	.5	.3	.1	.1
330.	*	.1	1.0	.9	.7	.6	.4	.2	.1
335.	*	.1	1.2	1.0	.7	.8	.3	.1	.1
340.	*	.0	1.1	1.1	1.0	.7	.4	.2	.1
345.	*	.0	1.2	1.0	1.0	.6	.4	.3	.1
350.	*	.0	1.1	.9	.9	.6	.3	.3	.1
355.	*	.0	1.0	.9	.9	.6	.3	.3	.2
360.	*	.0	1.0	.9	.9	.5	.4	.3	.1
-----*									
MAX	*	.8	1.2	1.1	1.0	.8	.8	.8	.8
DEGR.	*	165	95	340	340	335	115	80	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 205 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 205 DEGREES FROM REC1 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 200 DEGREES FROM REC2 .

Site 11

Campus Drive and Adelphi  
Road

2015

PurpleLine S11EXAM				60.0321.0.0000.000340.30480000	1	1						
SE MID S	1807.	2472.	5.0									
SE 164 S	1777.	2550.	5.0									
SE 82 S	1748.	2626.	5.0									
SE CNR	1744.	2727.	5.0									
SE 82 E	1841.	2753.	5.0									
SE 164 E	1923.	2749.	5.0									
SE MID E	2005.	2746.	5.0									
NE MID E	1900.	2822.	5.0									
NE 164 E	1818.	2830.	5.0									
NE 82 E	1736.	2835.	5.0									
NE CNR	1659.	2853.	5.0									
NE 82 N	1632.	2920.	5.0									
NE 164 N	1599.	2996.	5.0									
NE MID N	1574.	3075.	5.0									
NW MID N	1211.	3354.	5.0									
NW 164 N	1254.	3283.	5.0									
NW 82 N	1294.	3212.	5.0									
NW CNR	1303.	3104.	5.0									
NW 82 W	1275.	3005.	5.0									
NW 164 W	1231.	2935.	5.0									
NW MID W	1180.	2872.	5.0									
SW MID W	1347.	2691.	5.0									
SW 164 W	1427.	2712.	5.0									
SW 82 W	1510.	2728.	5.0									
SW CNR	1592.	2741.	5.0									
SW 82 S	1623.	2669.	5.0									
SW 164 S	1655.	2594.	5.0									
SW MID S	1686.	2517.	5.0									
ISLAND	1457.	2986.	5.0									
ISLAND	1498.	2916.	5.0									
ISLAND	1544.	2843.	5.0									
ISLAND	1443.	2838.	5.0									
ISLAND	1323.	2819.	5.0									
ISLAND	1395.	2901.	5.0									
PurpleLine S11EXAM		69	1	0								
0	1	ADnbAP	AG	2094.	1673.	1803.	2404.	1208	6.7	0	44	30.
0	2	ADnbT	AG	1797.	2401.	1636.	2800.	884	6.7	0	56	30.
0	247	ADnbTQ	AG	1661.	2738.	1786.	2427.	0.	36	3		
	181			2.0	884	65.9	1695	1	3			
0	1	ADnbR	AG	1815.	2410.	1711.	2675.	124	6.7	0	32	30.
0	2	ADnbRQ	AG	1714.	2669.	1804.	2439.	0.	12	1		
	247			2.0	124	65.9	1583	1	3			
0	1	ADnbR	AG	1711.	2675.	1722.	2740.	124	6.7	0	32	30.
0	1	ADnbR	AG	1722.	2740.	1789.	2778.	124	6.7	0	32	30.
0	2	ADnbL	AG	1772.	2400.	1616.	2796.	200	6.7	0	32	30.
0	247	ADnbLQ	AG	1642.	2729.	1765.	2418.	0.	12	1		
	215			2.0	200	65.9	1770	1	3			
0	1	ADnb2	AG	1639.	2803.	1570.	2969.	964	6.7	0	56	30.
0	2	ADnbT2	AG	1571.	2968.	1458.	3168.	620	6.7	0	56	30.
0	247	ADnbT2Q	AG	1514.	3070.	1570.	2970.	0.	36	3		
	178			2.0	620	65.9	1695	1	3			
0	1	ADnbR2	AG	1592.	2972.	1555.	3064.	344	6.7	0	32	30.
0	1	ADnbR2	AG	1555.	3064.	1551.	3156.	344	6.7	0	32	30.
0	1	ADnbR2	AG	1551.	3156.	1615.	3374.	344	6.7	0	32	30.
0	1	ADnbD	AG	1460.	3169.	1201.	3572.	852	6.7	0	56	30.
0	1	ADnbD	AG	1201.	3572.	1110.	3763.	852	6.7	0	44	30.
0	1	ADsbAP	AG	1082.	3641.	1177.	3472.	1160	6.1	0	68	30.
0	2	ADsbT	AG	1177.	3473.	1422.	3106.	904	6.1	0	56	30.
0	247	ADsbTQ	AG	1372.	3181.	1203.	3435.	0.	36	3		
	154			2.0	904	65.9	1695	1	3			
0	1	ADsbR	AG	1177.	3439.	1306.	3233.	64	6.1	0	32	30.
0	2	ADsbRQ	AG	1303.	3238.	1182.	3431.	0.	12	1		
	247			2.0	64	65.9	1583	1	3			
0	1	ADsbR	AG	1306.	3233.	1327.	3131.	64	6.1	0	32	30.
0	1	ADsbR	AG	1327.	3131.	1296.	3001.	64	6.1	0	32	30.
0	1	ADsbR	AG	1296.	3001.	1249.	2911.	64	6.1	0	32	30.
0	2	ADsbL	AG	1228.	3446.	1435.	3128.	192	6.1	0	32	30.



0		ADsbLQ	AG	1388.	3200.	1240.	3427.		0.	12	1	
	247		215	2.0	192	65.9	1770	1 3				
1												
0		ADsb2	AG	1422.	3107.	1495.	2999.		1412	6.1	0	56 30.
1												
0		ADsbT2	AG	1483.	2997.	1593.	2797.		1196	6.1	0	44 30.
2												
0		ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2	
	247		135	2.0	1196	65.9	1770	1 3				
1												
0		ADsbL2	AG	1504.	3003.	1610.	2810.		220	6.1	0	44 30.
2												
0		ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2	
	247		168	2.0	220	65.9	1717	1 3				
1												
0		ADsbD	AG	1595.	2795.	1972.	1867.		1484	6.1	0	44 30.
1												
0		193ebAP	AG	683.	2476.	956.	2578.		1092	6.0	0	44 30.
1												
0		193ebAP	AG	956.	2578.	1101.	2645.		1092	6.0	0	44 30.
1												
0		CMebTR	AG	1101.	2645.	1270.	2700.		328	6.0	0	56 30.
1												
0		CMebTR	AG	1270.	2700.	1462.	2755.		328	6.0	0	56 30.
1												
0		CMebTR	AG	1462.	2755.	1634.	2777.		328	6.0	0	56 30.
2												
0		CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3	
	247		178	2.0	328	65.9	1634	1 3				
1												
0		CMebD1	AG	1633.	2776.	1786.	2777.		380	6.0	0	44 30.
1												
0		CMebD2	AG	1791.	2777.	2624.	2738.		504	6.0	0	44 30.
1												
0		CMwbAP	AG	2626.	2758.	1593.	2817.		424	6.7	0	56 30.
2												
0		CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3	
	247		208	2.0	424	65.9	1739	1 3				
1												
0		CMwbD	AG	1594.	2816.	1417.	2813.		424	6.7	0	44 30.
1												
0		CMwbD	AG	1417.	2813.	1247.	2780.		424	6.7	0	44 30.
1												
0		CMwbD	AG	1247.	2780.	1003.	2670.		424	6.7	0	44 30.
1												
0		193ebL	AG	1024.	2612.	1210.	2746.		764	5.8	0	44 30.
2												
0		193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2	
	247		99	2.0	764	65.9	1717	1 3				
1												
0		193ebAP	AG	1209.	2746.	1334.	2872.		760	5.8	0	44 30.
1												
0		193ebTR	AG	1337.	2871.	1473.	3064.		664	5.8	0	44 30.
2												
0		193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2	
	247		148	2.0	664	65.9	1770	1 3				
1												
0		193ebL	AG	1324.	2884.	1460.	3071.		96	5.8	0	32 30.
2												
0		193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1	
	247		208	2.0	96	65.9	1770	1 3				
1												
0		193ebD	AG	1474.	3064.	1547.	3223.		890	5.8	0	44 30.
1												
0		193ebD	AG	1547.	3223.	1719.	3800.		890	5.8	0	44 30.
1												
0		193wbA	AG	1621.	3805.	1555.	3554.		1860	5.8	0	68 30.
1												
0		193wbT	AG	1546.	3554.	1431.	3179.		1208	5.8	0	44 30.
2												
0		193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2	
	247		129	2.0	1208	65.9	1770	1 3				
1												
0		193wbR	AG	1525.	3556.	1451.	3338.		136	5.8	0	32 30.
2												
0		193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1	
	247		129	2.0	136	65.9	1583	1 3				
1												
0		193wbR	AG	1451.	3338.	1379.	3308.		136	5.8	0	32 30.
1												
0		193wbL	AG	1566.	3543.	1447.	3155.		516	5.8	0	44 30.
2												
0		193wbL	AG	1472.	3236.	1558.	3519.		0.	24	2	
	247		196	2.0	516	65.9	1717	1 3				
1												
0		193wbD	AG	1432.	3178.	1295.	2947.		1272	5.8	0	44 30.
1												
0		193wbD	AG	1295.	2947.	1112.	2748.		1272	5.8	0	44 30.
2												
0		193wbQ	AG	1154.	2794.	1276.	2927.		0.	24	2	
	247		124	2.0	1272	65.9	1394	1 3				
1												
0		193wbD1	AG	1111.	2747.	1005.	2671.		1272	5.8	0	44 30.
1												
0		193wbD1	AG	1005.	2671.	850.	2582.		1696	5.8	0	44 30.

1  
0 193wbD1 AG 850. 2582. 673. 2513. 1696 5.8 0 44 30.  
1.0 04 1000 0Y 5 0 72

JOB: PurpleLine S11EXAM  
 DATE: 10/16/2007 TIME: 10:04:37.73

RUN: PurpleLine S11EXAM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1208.	6.7	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	884.	6.7	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1769.5	2468.0	*	291.	158. AG	389.	100.0	.0	36.0	.69 14.8
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	124.	6.7	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1758.7	2554.7	*	123.	159. AG	130.	100.0	.0	12.0	.31 6.2
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	124.	6.7	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	124.	6.7	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	200.	6.7	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1753.5	2447.0	*	303.	158. AG	154.	100.0	.0	12.0	1.00 15.4
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	964.	6.7	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	620.	6.7	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1612.0	2895.1	*	201.	151. AG	382.	100.0	.0	36.0	.46 10.2
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	344.	6.7	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	344.	6.7	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	344.	6.7	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	852.	6.7	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	852.	6.7	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1160.	6.1	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	904.	6.1	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1231.6	3392.0	*	253.	326. AG	331.	100.0	.0	36.0	.49 12.9
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	64.	6.1	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1274.4	3283.7	*	54.	328. AG	110.	100.0	.0	12.0	.11 2.7
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	64.	6.1	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	64.	6.1	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	64.	6.1	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	192.	6.1	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1237.3	3431.1	*	276.	327. AG	154.	100.0	.0	12.0	.96 14.0
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1412.	6.1	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1196.	6.1	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1350.4	3236.3	*	441.	331. AG	193.	100.0	.0	24.0	.77 22.4
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	220.	6.1	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1537.2	2942.5	*	101.	331. AG	240.	100.0	.0	24.0	.21 5.1
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1484.	6.1	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1092.	6.0	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1092.	6.0	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	328.	6.0	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	328.	6.0	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	328.	6.0	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1477.7	2756.8	*	106.	263. AG	382.	100.0	.0	36.0	.25 5.4
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	380.	6.0	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	504.	6.0	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	424.	6.7	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1858.1	2801.9	*	160.	93. AG	447.	100.0	.0	36.0	.57 8.1
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	424.	6.7	.0	44.0	

JOB: PurpleLine S11EXAM  
 DATE: 10/16/2007 TIME: 10:04:37.73

RUN: PurpleLine S11EXAM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	424.	6.7	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	424.	6.7	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	764.	5.8	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	1005.0	2598.4	*	207.	234. AG	142.	100.0	.0	24.0	.38 10.5
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	760.	5.8	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	664.	5.8	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1280.7	2792.7	*	269.	215. AG	212.	100.0	.0	24.0	.49 13.6
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	96.	5.8	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1358.8	2932.7	*	109.	216. AG	149.	100.0	.0	12.0	.38 5.5
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	890.	5.8	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	890.	5.8	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	1860.	5.8	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1208.	5.8	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1579.2	3663.5	*	426.	17. AG	185.	100.0	.0	24.0	.74 21.6
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	136.	5.8	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1484.5	3437.0	*	96.	19. AG	92.	100.0	.0	12.0	.19 4.9
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	136.	5.8	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	516.	5.8	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1554.4	3507.2	*	283.	17. AG	281.	100.0	.0	24.0	.79 14.4
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1272.	5.8	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1272.	5.8	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1487.5	3157.5	*	493.	43. AG	177.	100.0	.0	24.0	.95 25.1
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1272.	5.8	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1696.	5.8	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1696.	5.8	.0	44.0	

JOB: PurpleLine S11EXAM  
 DATE: 10/16/2007 TIME: 10:04:37.73

RUN: PurpleLine S11EXAM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	247	181	2.0	884	1695	65.90	1	3
5. 0	ADnbRQ	247	181	2.0	124	1583	65.90	1	3
9. 0	ADnbLQ	247	215	2.0	200	1770	65.90	1	3
12. 0	ADnbT2Q	247	178	2.0	620	1695	65.90	1	3
20. 0	ADsbTQ	247	154	2.0	904	1695	65.90	1	3
22. 0	ADsbRQ	247	154	2.0	64	1583	65.90	1	3
27. 0	ADsbLQ	247	215	2.0	192	1770	65.90	1	3
30. 0	ADsbT2Q	247	135	2.0	1196	1770	65.90	1	3
32. 0	ADsbL2Q	247	168	2.0	220	1717	65.90	1	3
39. 0	CMebTRq	247	178	2.0	328	1634	65.90	1	3
43. 0	CMwbQ	247	208	2.0	424	1739	65.90	1	3
48. 0	193ebLQ	247	99	2.0	764	1717	65.90	1	3
51. 0	193ebT	247	148	2.0	664	1770	65.90	1	3
53. 0	193ebL	247	208	2.0	96	1770	65.90	1	3
58. 0	193wbT	247	129	2.0	1208	1770	65.90	1	3
60. 0	193wbR	247	129	2.0	136	1583	65.90	1	3
63. 0	193wbL	247	196	2.0	516	1717	65.90	1	3
66. 0	193wbQ	247	124	2.0	1272	1394	65.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

JOB: PurpleLine S11EXAM  
 DATE: 10/16/2007 TIME: 10:04:37.73

RUN: PurpleLine S11EXAM

RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*
29. ISLAND	*	1457.0	2986.0	5.0	*
30. ISLAND	*	1498.0	2916.0	5.0	*
31. ISLAND	*	1544.0	2843.0	5.0	*
32. ISLAND	*	1443.0	2838.0	5.0	*
33. ISLAND	*	1323.0	2819.0	5.0	*
34. ISLAND	*	1395.0	2901.0	5.0	*

JOB: PurpleLine S11EXAM

RUN: PurpleLine S11EXAM

MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION



REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION														
ANGLE *	(PPM)														
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	
0.	*	.1	.6	.7	1.9	1.5	1.0	1.4	1.8	1.7	1.7	2.3	.8	1.4	1.7
5.	*	.1	.7	.7	1.9	1.2	.9	1.4	1.8	1.8	1.6	2.2	.8	1.7	1.7
10.	*	.1	.8	.8	1.9	1.0	1.0	1.6	1.9	1.7	1.7	2.2	.8	1.9	1.8
15.	*	.1	.8	.6	1.8	1.0	1.0	1.7	1.9	1.9	1.6	2.2	.8	1.9	1.5
20.	*	.2	.6	.8	1.8	.6	1.1	1.7	1.9	1.5	1.5	2.1	.6	1.8	1.3
25.	*	.5	.4	.7	1.8	.6	1.1	1.8	1.9	1.3	1.3	2.0	.6	1.5	1.2
30.	*	.6	.3	.8	1.8	.7	1.2	1.7	1.6	1.1	1.3	2.0	.7	1.4	.9
35.	*	.7	.5	.7	1.7	.8	1.4	1.8	1.6	1.2	1.4	1.9	.7	1.2	.8
40.	*	.9	.6	.8	1.6	.8	1.5	1.7	1.6	1.1	1.4	1.7	.7	.8	.7
45.	*	.7	.5	.8	1.4	.7	1.6	1.7	1.5	1.2	1.3	1.7	.7	.7	.7
50.	*	.8	.5	.9	1.4	.7	1.6	1.5	1.4	1.2	1.4	1.5	.8	.5	.6
55.	*	1.1	.6	.8	1.2	.8	1.6	1.5	1.4	1.4	1.5	1.4	.9	.5	.6
60.	*	1.2	.5	.7	1.2	.9	1.6	1.4	1.4	1.4	1.6	1.4	.9	.6	.6
65.	*	1.2	.5	.7	1.1	.9	1.5	1.4	1.5	1.4	1.6	1.2	.8	.5	.7
70.	*	1.2	.5	.8	1.3	1.1	1.4	1.4	1.4	1.3	1.6	1.1	.8	.5	.7
75.	*	1.1	.4	.9	1.2	1.0	1.4	1.4	1.3	1.3	1.7	.9	.7	.6	.7
80.	*	1.1	.5	.8	.9	1.1	1.3	1.4	1.3	1.4	1.7	.9	.6	.6	.7
85.	*	1.2	.4	.7	.8	1.0	1.4	1.4	1.3	1.4	1.7	.9	.8	.6	.8
90.	*	1.2	.6	.7	.7	1.0	1.4	1.5	1.4	1.4	1.7	.9	.8	.3	.9
95.	*	1.1	.5	.6	.8	1.0	1.4	1.5	1.4	1.2	1.7	1.1	.8	.5	.7
100.	*	1.1	.4	.6	.6	1.0	1.5	1.5	1.4	1.4	1.8	1.0	.7	.5	.7
105.	*	1.1	.4	.6	.7	1.0	1.5	1.5	1.3	1.6	1.8	1.0	.8	.6	.6
110.	*	1.1	.4	.6	.7	1.2	1.6	1.7	1.4	1.6	1.9	1.0	.7	.6	.6
115.	*	1.1	.4	.5	.7	1.4	1.7	1.7	1.3	1.8	1.7	1.1	.9	.7	.6
120.	*	1.1	.2	.4	.7	1.5	1.7	1.5	1.1	1.7	1.6	1.1	1.0	.6	.6
125.	*	1.0	.2	.4	.7	1.7	1.7	1.5	1.1	1.8	1.5	.9	1.1	.6	.6
130.	*	1.0	.1	.3	.6	1.7	1.6	1.5	1.2	1.6	1.6	1.1	1.2	.4	.6
135.	*	.8	.1	.2	.6	1.7	1.7	1.5	1.1	1.6	1.7	1.2	1.2	.3	.6
140.	*	.7	.1	.1	.4	1.7	1.6	1.3	.9	1.7	1.4	1.3	.9	.3	.6
145.	*	.7	.0	.1	.4	1.6	1.4	1.2	.9	1.4	1.3	1.4	.8	.2	.4
150.	*	.7	.0	.1	.3	1.4	1.3	1.1	.7	1.1	1.3	1.5	.7	.1	.4
155.	*	.6	.0	.0	.1	1.2	1.2	.8	.6	1.1	1.1	1.4	.6	.1	.2
160.	*	.6	.0	.0	.1	.7	.8	.8	.5	.6	.8	1.1	.3	.1	.1
165.	*	.6	.0	.0	.0	.5	.5	.4	.5	.6	.6	1.1	.3	.1	.1
170.	*	.6	.0	.0	.0	.3	.3	.3	.3	.2	.5	.9	.2	.1	.0
175.	*	.6	.0	.0	.0	.2	.2	.2	.2	.1	.3	.8	.2	.1	.0
180.	*	.7	.0	.0	.0	.1	.1	.1	.1	.1	.2	.7	.1	.1	.0
185.	*	.7	.0	.0	.0	.1	.1	.1	.1	.1	.2	.7	.1	.1	.0
190.	*	.7	.0	.0	.0	.0	.1	.1	.1	.0	.2	.7	.1	.1	.0
195.	*	.7	.0	.0	.0	.0	.0	.1	.1	.0	.1	.7	.1	.1	.0
200.	*	.7	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6	.1	.1	.0
205.	*	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0	.6	.1	.2	.1

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JOB: PurpleLine S11EXAM

RUN: PurpleLine S11EXAM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION														
ANGLE *	(PPM)														
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	
210.	*	.6	.0	.0	.0	.0	.0	.0	.2	.0	.5	.1	.2	.1	
215.	*	.4	.0	.0	.0	.0	.0	.0	.4	.0	.5	.1	.3	.2	
220.	*	.4	.0	.0	.0	.0	.0	.0	.5	.0	.4	.1	.5	.4	
225.	*	.2	.0	.0	.0	.0	.0	.0	.7	.0	.3	.2	.6	.7	
230.	*	.0	.0	.0	.0	.0	.0	.0	.9	.1	.3	.2	.8	.8	
235.	*	.0	.0	.0	.0	.0	.0	.0	1.0	.1	.2	.2	.9	.9	
240.	*	.0	.0	.0	.0	.0	.0	.0	1.1	.1	.2	.2	1.1	1.1	
245.	*	.0	.0	.0	.0	.1	.0	.0	1.2	.3	.1	.3	1.0	1.0	
250.	*	.0	.1	.0	.0	.1	.0	.0	1.2	.4	.1	.3	1.3	1.1	
255.	*	.0	.1	.1	.0	.2	.0	.0	1.2	.4	.2	.3	1.2	1.0	
260.	*	.0	.1	.2	.1	.3	.0	.0	1.2	.4	.3	.6	1.2	1.0	
265.	*	.0	.1	.2	.0	.5	.0	.0	1.1	.4	.3	.6	1.1	1.0	
270.	*	.0	.1	.2	.0	.8	.0	.0	1.1	.4	.3	.5	1.1	.9	
275.	*	.0	.2	.1	.1	.9	.0	.0	1.1	.4	.2	.4	1.1	.9	
280.	*	.0	.2	.1	.1	1.3	.0	.0	1.1	.4	.3	.4	1.1	.9	
285.	*	.0	.2	.2	.4	1.4	.1	.0	1.1	.5	.3	.4	1.1	.9	
290.	*	.0	.1	.2	.5	1.4	.3	.0	1.1	.6	.3	.4	1.0	.9	
295.	*	.0	.2	.3	.5	1.4	.4	.0	1.1	.6	.3	.3	1.1	.8	
300.	*	.0	.3	.4	.6	1.4	.5	.4	1.1	1.0	.6	.3	1.1	1.0	
305.	*	.0	.3	.4	.7	1.4	.6	.4	1.1	1.0	.6	.5	1.1	1.0	
310.	*	.0	.3	.3	.8	1.4	.7	.4	1.0	.7	.5	.3	1.1	1.0	
315.	*	.0	.4	.3	1.0	1.4	.8	.5	1.0	.8	.7	.4	1.1	1.0	
320.	*	.0	.4	.4	1.0	1.6	.8	.7	.5	1.3	1.0	.9	.6	1.1	1.0
325.	*	.0	.4	.4	1.2	1.8	1.1	.8	.6	1.4	1.2	.9	.6	1.1	1.1
330.	*	.0	.4	.4	1.4	1.9	1.3	1.0	1.1	1.4	1.3	1.2	.7	1.1	1.2
335.	*	.0	.5	.5	1.4	1.9	1.3	1.1	1.0	1.7	1.5	1.6	.8	1.1	1.2
340.	*	.0	.4	.5	1.5	2.0	1.3	1.2	1.1	1.7	1.6	1.8	.8	1.2	1.3
345.	*	.0	.5	.6	1.7	2.2	1.4	1.4	1.4	1.8	1.6	2.0	.9	1.3	1.6
350.	*	.0	.5	.6	1.8	1.9	1.3	1.5	1.5	1.9	1.5	2.1	.9	1.3	1.7
355.	*	.0	.5	.5	1.9	1.8	1.4	1.4	1.7	1.7	1.7	2.1	1.0	1.3	1.7
360.	*	.1	.6	.7	1.9	1.5	1.0	1.4	1.8	1.7	1.7	2.3	.8	1.4	1.7

MAX	*	1.2	.8	.9	1.9	2.2	1.7	1.8	1.9	1.9	1.9	2.3	1.2	1.9	1.8
DEGR.	*	60	10	50	0	345	135	25	10	15	110	0	130	10	10

THE HIGHEST CONCENTRATION IS 2.40 PPM AT 185 DEGREES FROM REC10.  
THE 2ND HIGHEST CONCENTRATION IS 2.40 PPM AT 310 DEGREES FROM REC2 .  
THE 3RD HIGHEST CONCENTRATION IS 2.40 PPM AT 300 DEGREES FROM REC3 .

PurpleLine S11EXPM				60.0321.0.0000.000280.30480000	1	1					
SE MID S	1807.	2472.	5.0								
SE 164 S	1777.	2550.	5.0								
SE 82 S	1748.	2626.	5.0								
SE CNR	1744.	2727.	5.0								
SE 82 E	1841.	2753.	5.0								
SE 164 E	1923.	2749.	5.0								
SE MID E	2005.	2746.	5.0								
NE MID E	1900.	2822.	5.0								
NE 164 E	1818.	2830.	5.0								
NE 82 E	1736.	2835.	5.0								
NE CNR	1659.	2853.	5.0								
NE 82 N	1632.	2920.	5.0								
NE 164 N	1599.	2996.	5.0								
NE MID N	1574.	3075.	5.0								
NW MID N	1211.	3354.	5.0								
NW 164 N	1254.	3283.	5.0								
NW 82 N	1294.	3212.	5.0								
NW CNR	1303.	3104.	5.0								
NW 82 W	1275.	3005.	5.0								
NW 164 W	1231.	2935.	5.0								
NW MID W	1180.	2872.	5.0								
SW MID W	1347.	2691.	5.0								
SW 164 W	1427.	2712.	5.0								
SW 82 W	1510.	2728.	5.0								
SW CNR	1592.	2741.	5.0								
SW 82 S	1623.	2669.	5.0								
SW 164 S	1655.	2594.	5.0								
SW MID S	1686.	2517.	5.0								
PurpleLine S11EXPM				69	1	0					
1											
0	ADnbAP	AG	2094.	1673.	1803.	2404.	1812	8.4	0	44	30.
1											
0	ADnbT	AG	1797.	2401.	1636.	2800.	1412	8.4	0	56	30.
2											
0	ADnbTQ	AG	1661.	2738.	1786.	2427.	0.	36	3		
240		171	2.0	1412	65.9	1695	1	3			
1											
0	ADnbR	AG	1815.	2410.	1711.	2675.	200	8.4	0	32	30.
2											
0	ADnbRQ	AG	1714.	2669.	1804.	2439.	0.	12	1		
240		171	2.0	200	65.9	1583	1	3			
1											
0	ADnbR	AG	1711.	2675.	1722.	2740.	200	8.4	0	32	30.
1											
0	ADnbR	AG	1722.	2740.	1789.	2778.	200	8.4	0	32	30.
1											
0	ADnbL	AG	1772.	2400.	1616.	2796.	200	8.4	0	32	30.
2											
0	ADnbLQ	AG	1642.	2729.	1765.	2418.	0.	12	1		
240		208	2.0	200	65.9	1770	1	3			
1											
0	ADnb2	AG	1639.	2803.	1570.	2969.	1768	8.4	0	56	30.
1											
0	ADnbT2	AG	1571.	2968.	1458.	3168.	1172	8.4	0	56	30.
2											
0	ADnbT2Q	AG	1514.	3070.	1570.	2970.	0.	36	3		
240		171	2.0	1172	65.9	1695	1	3			
1											
0	ADnbR2	AG	1592.	2972.	1555.	3064.	596	8.4	0	32	30.
1											
0	ADnbR2	AG	1555.	3064.	1551.	3156.	596	8.4	0	32	30.
1											
0	ADnbR2	AG	1551.	3156.	1615.	3374.	596	8.4	0	32	30.
1											
0	ADnbD	AG	1460.	3169.	1201.	3572.	1564	8.4	0	56	30.
1											
0	ADnbD	AG	1201.	3572.	1110.	3763.	1564	8.4	0	44	30.
1											
0	ADsbAP	AG	1082.	3641.	1177.	3472.	1148	6.0	0	68	30.
1											
0	ADsbT	AG	1177.	3473.	1422.	3106.	884	6.0	0	56	30.
2											
0	ADsbTQ	AG	1372.	3181.	1203.	3435.	0.	36	3		
240		147	2.0	884	65.9	1695	1	3			
1											
0	ADsbR	AG	1177.	3439.	1306.	3233.	156	6.0	0	32	30.
2											
0	ADsbRQ	AG	1303.	3238.	1182.	3431.	0.	12	1		
240		147	2.0	156	65.9	1583	1	3			
1											
0	ADsbR	AG	1306.	3233.	1327.	3131.	156	6.0	0	32	30.
1											
0	ADsbR	AG	1327.	3131.	1296.	3001.	156	6.0	0	32	30.
1											
0	ADsbR	AG	1296.	3001.	1249.	2911.	156	6.0	0	32	30.
1											
0	ADsbL	AG	1228.	3446.	1435.	3128.	108	6.0	0	32	30.
2											
0	ADsbLQ	AG	1388.	3200.	1240.	3427.	0.	12	1		
240		208	2.0	108	65.9	1770	1	3			
1											
0	ADsb2	AG	1422.	3107.	1495.	2999.	1256	6.0	0	56	30.
1											
0	ADsbT2	AG	1483.	2997.	1593.	2797.	1036	6.0	0	44	30.



0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		240	135	2.0	1036	65.9	1770	1	3				
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		220	6.0	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		240	171	2.0	220	65.9	1717	1	3				
0	1	ADsblD	AG	1595.	2795.	1972.	1867.		1508	6.0	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		1884	6.5	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		1884	6.5	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		488	6.5	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		488	6.5	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		488	6.5	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		240	171	2.0	488	65.9	1707	1	3				
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		416	6.5	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		616	6.5	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		988	6.4	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		240	201	2.0	988	65.9	1739	1	3				
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		652	6.4	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		652	6.4	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		652	6.4	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1396	5.8	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		240	99	2.0	1396	65.9	1717	1	3				
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1396	5.8	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		1296	5.8	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		240	141	2.0	1296	65.9	1770	1	3				
0	1	193ebL	AG	1324.	2884.	1460.	3071.		100	5.8	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		240	201	2.0	100	65.9	1770	1	3				
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2000	5.8	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2000	5.8	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		1640	5.8	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		972	5.8	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		240	129	2.0	972	65.9	1770	1	3				
0	1	193wbR	AG	1525.	3556.	1451.	3338.		292	5.8	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		240	129	2.0	292	65.9	1583	1	3				
0	1	193wbR	AG	1451.</									

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SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1812.	8.4	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1412.	8.4	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1904.5	2132.1	*	653.	158. AG	378.	100.0	.0	36.0	1.02 33.2
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	200.	8.4	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1782.1	2494.9	*	187.	159. AG	126.	100.0	.0	12.0	.47 9.5
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	200.	8.4	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	200.	8.4	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	200.	8.4	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1746.0	2466.0	*	283.	158. AG	153.	100.0	.0	12.0	.97 14.4
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1768.	8.4	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1172.	8.4	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1699.3	2739.1	*	379.	151. AG	378.	100.0	.0	36.0	.85 19.3
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	596.	8.4	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	596.	8.4	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	596.	8.4	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1564.	8.4	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1564.	8.4	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1148.	6.0	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	884.	6.0	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1241.1	3377.7	*	236.	326. AG	325.	100.0	.0	36.0	.47 12.0
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	156.	6.0	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1236.4	3344.2	*	125.	328. AG	108.	100.0	.0	12.0	.27 6.4
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	156.	6.0	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	156.	6.0	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	156.	6.0	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	108.	6.0	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1320.9	3302.9	*	123.	327. AG	153.	100.0	.0	12.0	.52 6.2
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1256.	6.0	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1036.	6.0	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1378.9	3184.6	*	382.	331. AG	199.	100.0	.0	24.0	.70 19.4
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	220.	6.0	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1536.3	2944.1	*	103.	331. AG	252.	100.0	.0	24.0	.24 5.2
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1508.	6.0	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1884.	6.5	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1884.	6.5	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	488.	6.5	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	488.	6.5	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	488.	6.5	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1432.7	2751.2	*	151.	263. AG	378.	100.0	.0	36.0	.35 7.7
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	416.	6.5	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	616.	6.5	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	988.	6.4	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	2905.2	2742.1	*	1209.	93. AG	444.	100.0	.0	36.0	1.30 61.4
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	652.	6.4	.0	44.0	

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RUN: PurpleLine S11EXPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	652.	6.4	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	652.	6.4	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1396.	5.8	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	866.1	2498.6	*	378.	234. AG	146.	100.0	.0	24.0	.71 19.2
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1396.	5.8	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1296.	5.8	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1121.0	2567.1	*	545.	215. AG	208.	100.0	.0	24.0	.93 27.7
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	100.	5.8	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1358.4	2932.1	*	110.	216. AG	148.	100.0	.0	12.0	.39 5.6
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2000.	5.8	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2000.	5.8	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	1640.	5.8	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	972.	5.8	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1555.0	3583.9	*	343.	17. AG	190.	100.0	.0	24.0	.62 17.4
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	292.	5.8	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1519.4	3541.3	*	206.	19. AG	95.	100.0	.0	12.0	.41 10.5
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	292.	5.8	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	376.	5.8	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1530.6	3428.8	*	201.	17. AG	289.	100.0	.0	24.0	.66 10.2
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1124.	5.8	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1124.	5.8	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1359.7	3018.2	*	304.	43. AG	146.	100.0	.0	24.0	.71 15.5
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1124.	5.8	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1776.	5.8	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1776.	5.8	.0	44.0	

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RUN: PurpleLine S11EXPM

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	240	171	2.0	1412	1695	65.90	1	3
5. 0	ADnbRQ	240	171	2.0	200	1583	65.90	1	3
9. 0	ADnbLQ	240	208	2.0	200	1770	65.90	1	3
12. 0	ADnbT2Q	240	171	2.0	1172	1695	65.90	1	3
20. 0	ADsbTQ	240	147	2.0	884	1695	65.90	1	3
22. 0	ADsbRQ	240	147	2.0	156	1583	65.90	1	3
27. 0	ADsbLQ	240	208	2.0	108	1770	65.90	1	3
30. 0	ADsbT2Q	240	135	2.0	1036	1770	65.90	1	3
32. 0	ADsbL2Q	240	171	2.0	220	1717	65.90	1	3
39. 0	CMebTRq	240	171	2.0	488	1707	65.90	1	3
43. 0	CMwbQ	240	201	2.0	988	1739	65.90	1	3
48. 0	193ebLQ	240	99	2.0	1396	1717	65.90	1	3
51. 0	193ebT	240	141	2.0	1296	1770	65.90	1	3
53. 0	193ebL	240	201	2.0	100	1770	65.90	1	3
58. 0	193wbT	240	129	2.0	972	1770	65.90	1	3
60. 0	193wbR	240	129	2.0	292	1583	65.90	1	3
63. 0	193wbL	240	196	2.0	376	1717	65.90	1	3
66. 0	193wbQ	240	99	2.0	1124	1394	65.90	1	3

RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (FT)			* *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

JOB: PurpleLine S11EXPM  
DATE: 10/16/2007 TIME: 10:05:32.66

RUN: PurpleLine S11EXPM

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RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (FT)			* *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

JOB: PurpleLine S11EXPM

RUN: PurpleLine S11EXPM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.5	.4	.5	.9	1.2	1.2	1.3	.0	.0	.0	.3	.1	.4	.7	.4	1.3	1.3	.8	.4	.2
5. *	.2	.3	.6	1.0	1.2	1.2	1.3	.0	.0	.0	.2	.1	.1	.6	.5	1.4	1.4	.7	.4	.3
10. *	.3	.3	.5	1.0	1.2	1.2	1.3	.0	.0	.0	.1	.1	.1	.4	.4	1.4	1.4	.7	.4	.3

15.	*	.3	.3	.5	1.0	1.2	1.2	1.3	.0	.0	.0	.1	.0	.1	.2	.4	1.5	1.3	.8	.6	.3
20.	*	.3	.3	.5	1.0	1.2	1.2	1.3	.0	.0	.0	.1	.0	.0	.1	.4	1.5	1.2	.9	.7	.4
25.	*	.3	.3	.5	.9	1.2	1.2	1.3	.0	.0	.0	.1	.0	.0	.1	.5	1.4	1.3	.9	.8	.4
30.	*	.3	.3	.5	.9	1.2	1.2	1.3	.0	.0	.0	.1	.0	.0	.0	.4	1.4	1.3	1.0	.9	.7
35.	*	.3	.4	.5	.9	1.2	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.5	1.4	1.5	1.2	.8	.7
40.	*	.3	.4	.5	.8	1.3	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.5	1.5	1.5	1.1	.7	.8
45.	*	.3	.4	.5	.8	1.4	1.4	1.4	.1	.0	.0	.0	.0	.0	.0	.6	1.6	1.7	1.0	.6	.5
50.	*	.3	.4	.5	.9	1.4	1.5	1.5	.1	.0	.0	.0	.0	.0	.0	.7	1.6	1.8	.8	.6	.5
55.	*	.3	.4	.5	1.0	1.5	1.5	1.5	.1	.0	.0	.0	.0	.0	.0	1.1	1.7	1.8	1.0	.5	.7
60.	*	.3	.5	.6	1.0	1.5	1.5	1.6	.2	.1	.1	.0	.0	.0	.0	1.1	1.7	1.8	.9	.6	1.2
65.	*	.3	.3	.6	1.0	1.6	1.6	1.6	.3	.2	.2	.0	.0	.0	.0	1.1	1.8	1.7	.8	.9	1.1
70.	*	.2	.3	.6	1.0	1.6	1.6	1.6	.4	.3	.3	.1	.0	.0	.0	1.3	1.8	1.7	.7	.9	1.1
75.	*	.2	.3	.5	1.1	1.6	1.6	1.7	.6	.5	.5	.2	.0	.0	.0	1.3	1.9	1.7	.6	.9	1.3
80.	*	.1	.2	.4	1.0	1.6	1.6	1.6	1.0	.9	.8	.4	.1	.0	.0	1.4	1.9	1.5	.6	1.2	1.3
85.	*	.1	.2	.3	.9	1.5	1.5	1.5	1.5	1.2	1.2	.7	.2	.1	.0	1.4	1.9	1.4	.7	1.4	1.3
90.	*	.0	.1	.2	.8	1.2	1.2	1.2	2.1	1.8	1.8	1.0	.3	.1	.1	1.6	1.9	1.4	.8	1.3	1.5
95.	*	.0	.0	.1	.6	1.0	1.0	1.0	2.4	2.1	2.1	1.5	.5	.2	.1	1.6	2.0	1.2	.8	1.4	1.8
100.	*	.0	.0	.1	.3	.7	.7	.7	2.8	2.4	2.4	1.7	.7	.3	.2	1.7	2.0	1.2	1.0	1.8	1.7
105.	*	.0	.0	.0	.1	.4	.4	.4	2.9	2.6	2.6	1.9	.7	.5	.2	1.8	1.9	1.5	.9	1.8	1.9
110.	*	.0	.0	.0	.1	.2	.2	.2	2.8	2.5	2.5	1.8	.8	.5	.3	1.9	2.1	1.4	1.2	1.8	1.3
115.	*	.0	.0	.0	.0	.2	.1	.2	2.6	2.4	2.4	1.6	.8	.6	.3	1.9	2.0	1.4	1.3	1.6	1.3
120.	*	.0	.0	.0	.0	.0	.0	.0	2.5	2.3	2.3	1.5	.8	.6	.5	2.0	2.1	1.4	1.4	1.7	1.5
125.	*	.0	.0	.0	.0	.0	.0	.0	2.3	2.2	2.2	1.3	.7	.6	.5	2.0	2.2	1.3	1.5	1.3	1.4
130.	*	.0	.0	.0	.0	.0	.0	.0	2.2	2.1	2.1	1.3	.8	.6	.4	1.9	1.9	1.4	1.3	1.4	1.3
135.	*	.1	.1	.1	.0	.0	.0	.0	2.1	1.9	1.8	1.3	.8	.6	.5	2.0	1.5	1.4	1.4	1.3	1.2
140.	*	.2	.2	.1	.0	.0	.0	.0	2.0	1.8	1.7	1.4	.9	.7	.6	1.7	1.4	1.3	1.2	1.3	1.2
145.	*	.4	.4	.5	.1	.0	.0	.0	1.9	1.8	1.7	1.7	1.2	1.0	.7	1.2	1.2	1.1	1.3	1.1	1.1
150.	*	.7	.8	.7	.2	.0	.0	.0	1.8	1.7	1.7	2.1	1.6	1.3	1.0	1.1	1.2	1.0	1.0	.8	.9
155.	*	1.0	1.2	1.4	.5	.0	.0	.0	1.8	1.7	1.9	2.8	2.1	1.9	1.4	.9	.8	.8	.9	.9	.8
160.	*	1.4	1.6	1.6	.8	.2	.0	.0	1.7	1.8	1.9	3.1	2.4	2.2	1.6	.5	.4	.7	.8	.8	.8
165.	*	1.6	1.9	2.0	.9	.2	.1	.0	1.8	1.8	2.3	3.3	2.7	2.5	2.0	.2	.2	.4	.7	.8	.8
170.	*	2.0	2.1	2.4	1.2	.3	.2	.0	1.9	1.9	2.4	3.4	2.9	2.4	2.0	.2	.2	.3	.5	.8	.8
175.	*	2.1	2.3	2.5	1.4	.4	.2	.1	2.0	2.2	2.6	3.1	2.7	2.3	2.1	.2	.2	.3	.5	.8	.8
180.	*	2.0	2.3	2.5	1.4	.5	.3	.2	2.2	2.3	2.9	3.1	2.6	2.4	2.1	.2	.2	.2	.5	.7	.8
185.	*	2.1	2.3	2.4	1.3	.6	.4	.2	2.2	2.4	2.9	3.0	2.4	2.4	2.1	.1	.2	.2	.6	.7	.8
190.	*	2.0	2.5	2.4	1.3	.7	.4	.2	2.3	2.5	2.8	2.8	2.2	2.2	2.0	.0	.2	.2	.6	.7	1.0
195.	*	1.9	2.3	2.4	1.3	.7	.5	.4	2.3	2.4	2.7	2.6	2.3	2.3	1.8	.0	.1	.2	.4	.7	.9
200.	*	1.8	2.3	2.4	1.3	.8	.6	.4	2.2	2.4	2.8	2.6	2.2	2.4	1.8	.0	.0	.2	.4	.6	.8
205.	*	1.8	2.3	2.3	1.3	.8	.5	.4	2.2	2.3	2.7	2.4	2.0	2.4	1.8	.0	.0	.0	.4	.5	.8

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JOB: PurpleLine S11EXPM

RUN: PurpleLine S11EXPM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	1.6	2.2	2.3	1.1	.8	.5	.4	2.4	2.3	2.6	2.1	2.0	2.4	1.7	.0	.0	.0	.3	.5	.6
215.	*	1.6	2.2	2.2	1.1	.8	.5	.4	2.5	2.2	2.7	2.2	2.2	2.2	1.6	.0	.0	.0	.2	.3	.4
220.	*	1.6	2.2	2.0	1.0	.7	.7	.4	2.5	2.3	2.6	2.4	2.3	2.2	1.7	.0	.0	.0	.0	.3	.3
225.	*	1.6	2.0	2.0	1.1	.7	.7	.4	2.5	2.4	2.6	2.3	2.4	2.1	1.7	.0	.0	.0	.0	.1	.3
230.	*	1.6	2.2	1.9	1.1	.7	.7	.4	2.5	2.5	2.4	2.5	2.4	2.2	1.9	.0	.0	.0	.0	.0	.0
235.	*	1.6	2.1	2.0	1.1	.6	.7	.5	2.8	2.8	2.3	2.5	2.4	2.0	2.0	.0	.0	.0	.0	.0	.0
240.	*	1.6	2.0	2.0	1.1	.6	.6	.5	2.9	2.8	2.3	2.5	2.3	2.0	1.9	.0	.0	.0	.0	.0	.0
245.	*	1.6	2.0	1.9	1.1	.6	.6	.5	2.9	2.7	2.4	2.5	2.3	2.2	1.8	.0	.0	.0	.0	.0	.0
250.	*	1.6	2.0	1.9	1.1	.8	.5	.5	3.0	2.8	2.3	2.4	2.3	2.0	1.7	.0	.0	.0	.0	.0	.0
255.	*	1.7	2.0	2.0	1.4	.8	.7	.6	2.9	2.5	2.1	2.4	2.4	2.1	1.6	.0	.0	.0	.0	.0	.0
260.	*	1.7	2.1	2.0	1.2	.9	.9	.7	2.8	2.5	1.8	2.4	2.4	2.2	1.6	.0	.0	.0	.0	.0	.0
265.	*	1.7	2.2	1.9	1.4	1.1	.9	.9	2.7	2.2	1.8	2.3	2.4	2.2	1.4	.0	.0	.0	.0	.0	.0
270.	*	1.7	2.1	2.0	1.3	1.2	1.1	1.1	2.4	2.1	1.8	2.3	2.4	2.2	1.2	.0	.0	.0	.0	.0	.0
275.	*	1.7	2.2	2.0	1.5	1.3	1.2	1.3	2.3	1.8	1.8	2.4	2.4	2.2	1.1	.0	.0	.0	.0	.0	.0
280.	*	1.9	2.3	2.2	1.4	1.5	1.6	1.4	1.8	1.5	1.5	2.6	2.5	2.0	1.2	.0	.0	.0	.0	.0	.0
285.	*	2.0	2.4	2.4	1.4	1.7	1.8	1.9	1.5	1.2	1.5	2.7	2.5	2.0	1.2	.0	.0	.0	.0	.0	.0
290.	*	2.2	2.5	2.6	1.5	1.8	1.9	1.8	1.1	1.1	1.4	3.0	2.5	1.9	1.2	.0	.0	.0	.0	.0	.0
295.	*	2.2	2.6	2.6	1.8	1.8	2.0	1.9	.8	.9	1.4	2.9	2.5	2.0	1.1	.0	.0	.0	.0	.0	.0
300.	*	2.3	2.6	2.6	2.1	1.8	1.9	1.8	.7	.8	1.2	3.0	2.5	1.9	1.1	.0	.0	.0	.0	.0	.0
305.	*	2.5	2.6	2.5	1.9	1.9	1.9	1.7	.6	.7	1.3	3.2	2.1	2.0	1.2	.0	.0	.0	.0	.0	.0
310.	*	2.6	2.7	2.5	2.2	1.9	1.9	1.6	.5	.6	1.1	3.1	2.3	2.0	1.3	.0	.0	.0	.0	.0	.0
315.	*	2.7	2.7	2.7	2.2	2.0	1.6	1.6	.4	.5	1.0	3.0	2.4	1.7	1.1	.0	.0	.0	.0	.0	.0
320.	*	2.7	2.6	2.7	2.4	1.8	1.5	1.5	.2	.4	.9	2.8	2.0	1.5	1.0	.0	.0	.2	.0	.0	.0
325.	*	2.6	2.7	2.4	2.2	1.4	1.3	1.3	.2	.3	.7	2.6	1.8	1.1	1.1	.2	.3	.4	.0	.0	.0
330.	*	2.4	2.6	2.2	2.0	1.4	1.3	1.3	.0	.2	.5	2.4	1.8	1.2	1.0	.2	.4	.5	.1	.0	.0
335.	*	2.3	2.2	1.7	1.6	1.2	1.2	1.3	.1	.3	.3	2.1	1.3	.9	.9	.3	.5	.8	.1	.0	.0
340.	*	1.7	1.6	1.4	1.4	1.2	1.2	1.3	.0	.1	.3	1.6	1.0	1.0	.9	.3	.9	.9	.5	.0	.0
345.	*	1.3	1.3	1.2	1.0	1.2	1.2	1.3	.0	.1	.3	1.1	.7	.7	.9	.4	1.0	1.2	.5	.1	.0
350.	*	.8	.8	.8	1.1	1.1	1.2	1.3	.0	.1	.1	.8	.4	.5	.8	.5	1.1	1.2	.6	.2	.1
355.	*	.6	.6	.6	1.0	1.2	1.2	1.3	.0	.0	.1	.4	.4	.4	.7	.5	1.3	1.4	.7	.3	.1
360.	*	.5	.4	.5	.9	1.2	1.2	1.3	.0	.0	.0	.3	.1	.4	.7	.4	1.3	1.3	.8	.4	.2
MAX	*	2.7	2.7	2.7	2.4	2.0	2.0	1.9	3.0	2.8	2.9	3.4	2.9	2.5	2.1	2.0	2.2	1.8	1.5	1.8	1.9
DEGR.	*	315	310	320	320	315	295	295	250	235	180	170	170	165	175	120	125	50	125	100	105

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JOB: PurpleLine S11EXPM

RUN: PurpleLine S11EXPM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.1	.9	1.0	2.1	1.9	1.6	1.8	2.1
5.	*	.2	.8	1.1	2.4	1.9	1.5	2.1	2.2
10.	*	.2	.9	1.4	2.2	1.7	1.6	2.2	2.2
15.	*	.2	.8	1.4	2.2	1.7	1.7	2.3	2.2
20.	*	.2	.6	1.6	2.0	1.4	1.9	2.2	2.3
25.	*	.4	.4	1.5	2.0	1.3	1.8	2.2	2.2
30.	*	.5	.5	1.6	2.1	1.3	2.0	2.1	2.0
35.	*	.8	.6	1.8	2.0	1.4	2.1	2.2	2.0
40.	*	.9	.8	1.8	1.8	1.3	2.1	2.2	2.0
45.	*	.6	.8	1.9	1.8	1.5	2.2	2.2	2.0
50.	*	.7	.9	1.8	1.8	1.6	2.1	2.1	1.9
55.	*	1.0	1.1	1.8	1.9	1.6	2.2	2.1	1.9
60.	*	1.2	.9	1.7	1.8	1.8	2.1	2.1	1.9
65.	*	1.2	1.1	1.6	1.8	1.9	2.1	2.1	1.9
70.	*	1.3	1.1	1.7	1.8	2.1	2.1	2.1	2.0
75.	*	1.3	1.3	1.7	1.8	2.0	2.1	2.1	1.9
80.	*	1.3	1.3	1.6	1.6	2.2	2.1	1.9	1.8
85.	*	1.6	1.1	1.4	1.6	2.0	2.1	1.8	1.7
90.	*	1.8	1.0	1.3	1.3	2.0	1.9	1.9	1.8
95.	*	1.6	.8	1.0	1.3	1.9	1.8	1.8	1.7
100.	*	1.5	.6	.8	.9	1.6	1.8	1.7	1.7
105.	*	1.3	.6	.7	.8	1.5	1.7	1.7	1.7
110.	*	1.4	.5	.6	.7	1.6	1.8	1.9	1.7
115.	*	1.3	.5	.6	.8	1.6	1.9	1.9	1.7
120.	*	1.4	.4	.6	.8	1.7	1.9	1.9	1.8
125.	*	1.2	.4	.6	.8	1.8	1.9	1.9	1.7
130.	*	1.2	.4	.6	.7	1.9	1.9	2.1	1.8
135.	*	1.0	.3	.4	.8	2.0	2.1	2.0	1.8
140.	*	1.0	.3	.4	.8	2.1	2.1	1.8	1.8
145.	*	.9	.2	.3	.7	1.9	1.9	1.9	1.6
150.	*	.8	.0	.3	.4	1.8	1.7	1.5	1.4
155.	*	.8	.0	.0	.4	1.4	1.3	1.4	1.3
160.	*	.8	.0	.0	.3	1.1	1.1	1.2	.9
165.	*	.8	.0	.0	.0	.8	.8	.7	.7
170.	*	.9	.0	.0	.0	.3	.4	.5	.5
175.	*	.9	.0	.0	.0	.3	.3	.3	.2
180.	*	1.0	.0	.0	.0	.1	.1	.1	.1
185.	*	1.0	.0	.0	.0	.1	.1	.1	.1
190.	*	.9	.0	.0	.0	.0	.1	.1	.1
195.	*	.9	.0	.0	.0	.0	.0	.1	.1
200.	*	.9	.0	.0	.0	.0	.0	.0	.0
205.	*	.8	.0	.0	.0	.0	.0	.0	.0

1

JOB: PurpleLine S11EXPM

RUN: PurpleLine S11EXPM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.7	.0	.0	.0	.0	.0	.0	.0
215.	*	.6	.0	.0	.0	.0	.0	.0	.0
220.	*	.6	.0	.0	.0	.0	.0	.0	.0
225.	*	.4	.0	.0	.0	.0	.0	.0	.0
230.	*	.2	.1	.0	.0	.0	.0	.0	.0
235.	*	.0	.1	.1	.0	.0	.0	.0	.0
240.	*	.0	.2	.1	.0	.1	.0	.0	.0
245.	*	.0	.3	.2	.1	.2	.0	.0	.0
250.	*	.0	.5	.3	.2	.3	.0	.0	.0
255.	*	.0	.7	.4	.4	.5	.0	.0	.0
260.	*	.0	.7	.5	.4	.8	.2	.0	.0
265.	*	.0	.7	.5	.5	.9	.2	.0	.0
270.	*	.0	.6	.5	.6	1.0	.2	.1	.0
275.	*	.0	.5	.4	.7	1.2	.2	.1	.0
280.	*	.0	.5	.3	.8	1.3	.2	.1	.1
285.	*	.0	.6	.4	1.2	1.5	.3	.1	.1
290.	*	.0	.4	.5	1.3	1.5	.3	.2	.1
295.	*	.0	.4	.5	1.3	1.6	.4	.2	.1
300.	*	.0	.5	.5	1.3	1.6	.6	.3	.2
305.	*	.0	.6	.6	1.3	1.5	.7	.4	.3
310.	*	.0	.6	.6	1.4	1.5	.7	.4	.3
315.	*	.0	.6	.6	1.4	1.4	.6	.4	.3
320.	*	.0	.6	.6	1.4	1.6	.7	.7	.5
325.	*	.0	.6	.5	1.4	1.8	1.0	.8	.7
330.	*	.0	.6	.5	1.6	2.0	1.2	.9	1.1
335.	*	.0	.6	.6	1.7	2.1	1.5	1.1	1.2
340.	*	.0	.6	.7	1.7	2.3	1.5	1.5	1.4
345.	*	.0	.7	.8	1.8	2.4	1.7	1.5	1.8
350.	*	.0	.7	.9	1.8	2.2	1.7	1.8	1.9
355.	*	.0	.8	.8	2.1	2.2	1.6	1.9	2.0
360.	*	.1	.9	1.0	2.1	1.9	1.6	1.8	2.1
MAX	*	1.8	1.3	1.9	2.4	2.4	2.2	2.3	2.3
DEGR.	*	90	80	45	5	345	55	15	20

THE HIGHEST CONCENTRATION IS 3.40 PPM AT 170 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 3.00 PPM AT 250 DEGREES FROM REC8 .  
 THE 3RD HIGHEST CONCENTRATION IS 2.90 PPM AT 180 DEGREES FROM REC10.

PurpleLine S11 NoBld 2015AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 NoBld 2015AM	69	1	0
1			
0	ADnbAP	AG	2094. 1673. 1803. 2404. 1325 4.7 0 44 30.
1			
0	ADnbT	AG	1797. 2401. 1636. 2800. 970 4.7 0 56 30.
2			
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
240	170	2.0	970 37.8 1695 1 3
1			
0	ADnbR	AG	1815. 2410. 1711. 2675. 135 4.7 0 32 30.
2			
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
240	170	2.0	135 37.8 1583 1 3
1			
0	ADnbR	AG	1711. 2675. 1722. 2740. 135 4.7 0 32 30.
1			
0	ADnbR	AG	1722. 2740. 1789. 2778. 135 4.7 0 32 30.
1			
0	ADnbL	AG	1772. 2400. 1616. 2796. 220 4.7 0 32 30.
2			
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
240	201	2.0	220 37.8 1770 1 3
1			
0	ADnb2	AG	1639. 2803. 1570. 2969. 1060 4.7 0 56 30.
1			
0	ADnbT2	AG	1571. 2968. 1458. 3168. 680 4.7 0 56 30.
2			
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
240	180	2.0	680 37.8 1695 1 3
1			
0	ADnbR2	AG	1592. 2972. 1555. 3064. 380 4.7 0 32 30.
1			
0	ADnbR2	AG	1555. 3064. 1551. 3156. 380 4.7 0 32 30.
1			
0	ADnbR2	AG	1551. 3156. 1615. 3374. 380 4.7 0 32 30.
1			
0	ADnbD	AG	1460. 3169. 1201. 3572. 935 4.7 0 56 30.
1			
0	ADnbD	AG	1201. 3572. 1110. 3763. 935 4.7 0 44 30.
1			
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1275 3.6 0 68 30.
1			
0	ADsbT	AG	1177. 3473. 1422. 3106. 995 3.6 0 56 30.
2			
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
240	148	2.0	995 37.8 1695 1 3
1			
0	ADsbR	AG	1177. 3439. 1306. 3233. 70 3.6 0 32 30.
2			
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
240	148	2.0	70 37.8 1583 1 3
1			
0	ADsbR	AG	1306. 3233. 1327. 3131. 70 3.6 0 32 30.
1			
0	ADsbR	AG	1327. 3131. 1296. 3001. 70 3.6 0 32 30.
1			
0	ADsbR	AG	1296. 3001. 1249. 2911. 70 3.6 0 32 30.
1			
0	ADsbL	AG	1228. 3446. 1435. 3128. 210 3.6 0 32 30.
2			
0	ADsbLQ	AG	1388. 3200. 1240. 3427. 0. 12 1
240	201	2.0	210 37.8 1770 1 3
1			
0	ADsb2	AG	1422. 3107. 1495. 2999. 1555 3.6 0 56 30.
1			
0	ADsbT2	AG	1483. 2997. 1593. 2797. 1315 3.6 0 44 30.

0	2	ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		240	132	2.0	1315	37.8	1770	1 3					
0	1	ADsbL2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44	30.
0	2	ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		240	162	2.0	240	37.8	1717	1 3					
0	1	ADsbD	AG	1595.	2795.	1972.	1867.		1630	3.6	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		1200	3.7	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		1200	3.7	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		360	3.7	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		360	3.7	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		360	3.7	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		240	182	2.0	360	37.8	1723	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		415	3.7	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		550	3.7	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		465	4.1	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		240	200	2.0	465	37.8	1687	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		465	4.1	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		465	4.1	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		465	4.1	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		840	3.5	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		240	97	2.0	840	37.8	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		835	3.5	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		730	3.5	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		240	151	2.0	730	37.8	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		105	3.5	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		240	200	2.0	105	37.8	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		1320	3.5	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		1320	3.5	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2050	3.5	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1330	3.5	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		240	128	2.0	1330	37.8	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		150	3.5	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		240	128	2.0	150	37.8	1583	1 3					
0	1	193wbR	AG	1451.									

JOB: PurpleLine S11 NoBld 2015AM  
 DATE: 10/16/2007 TIME: 10:05:58.04

RUN: PurpleLine S11 NoBld 2015AM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	* 2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1325.	4.7	.0	44.0	
2. 0	ADnbT	* 1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	970.	4.7	.0	56.0	
3. 0	ADnbTQ	* 1661.0	2738.0	1773.0	2459.4	*	300.	158. AG	215.	100.0	.0	36.0	.69 15.3
4. 0	ADnbR	* 1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	135.	4.7	.0	32.0	
5. 0	ADnbRQ	* 1714.0	2669.0	1759.7	2552.1	*	125.	159. AG	72.	100.0	.0	12.0	.31 6.4
6. 0	ADnbR	* 1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	135.	4.7	.0	32.0	
7. 0	ADnbR	* 1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	135.	4.7	.0	32.0	
8. 0	ADnbL	* 1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	4.7	.0	32.0	
9. 0	ADnbLQ	* 1642.0	2729.0	1738.3	2485.6	*	262.	158. AG	85.	100.0	.0	12.0	.85 13.3
10. 0	ADnb2	* 1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1060.	4.7	.0	56.0	
11. 0	ADnbT2	* 1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	680.	4.7	.0	56.0	
12. 0	ADnbT2Q	* 1514.0	3070.0	1622.7	2875.9	*	222.	151. AG	228.	100.0	.0	36.0	.57 11.3
13. 0	ADnbR2	* 1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	380.	4.7	.0	32.0	
14. 0	ADnbR2	* 1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	380.	4.7	.0	32.0	
15. 0	ADnbR2	* 1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	380.	4.7	.0	32.0	
16. 0	ADnbD	* 1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	935.	4.7	.0	56.0	
17. 0	ADnbD	* 1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	935.	4.7	.0	44.0	
18. 0	ADsbAP	* 1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1275.	3.6	.0	68.0	
19. 0	ADsbT	* 1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	995.	3.6	.0	56.0	
20. 0	ADsbTQ	* 1372.0	3181.0	1223.6	3404.0	*	268.	326. AG	188.	100.0	.0	36.0	.53 13.6
21. 0	ADsbR	* 1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	70.	3.6	.0	32.0	
22. 0	ADsbRQ	* 1303.0	3238.0	1272.9	3286.0	*	57.	328. AG	63.	100.0	.0	12.0	.12 2.9
23. 0	ADsbR	* 1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	70.	3.6	.0	32.0	
24. 0	ADsbR	* 1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	70.	3.6	.0	32.0	
25. 0	ADsbR	* 1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	70.	3.6	.0	32.0	
26. 0	ADsbL	* 1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	210.	3.6	.0	32.0	
27. 0	ADsbLQ	* 1388.0	3200.0	1255.0	3404.0	*	244.	327. AG	85.	100.0	.0	12.0	.81 12.4
28. 0	ADsb2	* 1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1555.	3.6	.0	56.0	
29. 0	ADsbT2	* 1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1315.	3.6	.0	44.0	
30. 0	ADsbT2Q	* 1564.0	2850.0	1332.7	3268.3	*	478.	331. AG	112.	100.0	.0	24.0	.86 24.3
31. 0	ADsbL2	* 1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	* 1586.0	2854.0	1534.7	2947.1	*	106.	331. AG	137.	100.0	.0	24.0	.23 5.4
33. 0	ADsbD	* 1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1630.	3.6	.0	44.0	
34. 0	193ebAP	* 683.0	2476.0	956.0	2578.0	*	291.	70. AG	1200.	3.7	.0	44.0	
35. 0	193ebAP	* 956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1200.	3.7	.0	44.0	
36. 0	CMebTR	* 1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	360.	3.7	.0	56.0	
37. 0	CMebTR	* 1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	360.	3.7	.0	56.0	
38. 0	CMebTR	* 1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	360.	3.7	.0	56.0	
39. 0	CMebTRq	* 1583.0	2770.0	1464.5	2755.2	*	119.	263. AG	231.	100.0	.0	36.0	.31 6.1
40. 0	CMebD1	* 1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	415.	3.7	.0	44.0	
41. 0	CMebD2	* 1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	550.	3.7	.0	44.0	
42. 0	CMwbAP	* 2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	465.	4.1	.0	56.0	
43. 0	CMwbQ	* 1698.0	2811.0	1867.2	2801.3	*	170.	93. AG	253.	100.0	.0	36.0	.61 8.6
44. 0	CMwbD	* 1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	465.	4.1	.0	44.0	

JOB: PurpleLine S11 NoBld 2015AM  
 DATE: 10/16/2007 TIME: 10:05:58.04

RUN: PurpleLine S11 NoBld 2015AM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	* 1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	465.	4.1	.0	44.0	
46. 0	CMwbD	* 1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	465.	4.1	.0	44.0	
47. 0	193ebL	* 1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	840.	3.5	.0	44.0	
48. 0	193ebLQ	* 1173.0	2719.0	992.1	2589.0	*	223.	234. AG	82.	100.0	.0	24.0	.42 11.3
49. 0	193ebAP	* 1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	835.	3.5	.0	44.0	
50. 0	193ebTR	* 1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	730.	3.5	.0	44.0	
51. 0	193ebT	* 1436.0	3012.0	1261.9	2766.0	*	301.	215. AG	128.	100.0	.0	24.0	.58 15.3
52. 0	193ebL	* 1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	105.	3.5	.0	32.0	
53. 0	193ebL	* 1423.0	3021.0	1355.5	2928.1	*	115.	216. AG	84.	100.0	.0	12.0	.40 5.8
54. 0	193ebD	* 1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1320.	3.5	.0	44.0	
55. 0	193ebD	* 1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1320.	3.5	.0	44.0	
56. 0	193wbA	* 1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	3.5	.0	68.0	
57. 0	193wbT	* 1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1330.	3.5	.0	44.0	
58. 0	193wbT	* 1455.0	3256.0	1590.7	3701.2	*	465.	17. AG	108.	100.0	.0	24.0	.84 23.6
59. 0	193wbR	* 1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	150.	3.5	.0	32.0	
60. 0	193wbR	* 1454.0	3346.0	1487.4	3445.5	*	105.	19. AG	54.	100.0	.0	12.0	.21 5.3
61. 0	193wbR	* 1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	150.	3.5	.0	32.0	
62. 0	193wbL	* 1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	570.	3.5	.0	44.0	
63. 0	193wbL	* 1472.0	3236.0	1557.1	3516.0	*	293.	17. AG	156.	100.0	.0	24.0	.78 14.9
64. 0	193wbD	* 1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1400.	3.5	.0	44.0	
65. 0	193wbD	* 1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1400.	3.5	.0	44.0	
66. 0	193wbQ	* 1154.0	2794.0	1406.8	3069.6	*	374.	43. AG	82.	100.0	.0	24.0	.87 19.0
67. 0	193wbD1	* 1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1400.	3.5	.0	44.0	
68. 0	193wbD1	* 1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1865.	3.5	.0	44.0	
69. 0	193wbD1	* 850.0	2582.0	673.0	2513.0	*	190.	249. AG	1865.	3.5	.0	44.0	



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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	240	170	2.0	970	1695	37.80	1	3
5. 0	ADnbRQ	240	170	2.0	135	1583	37.80	1	3
9. 0	ADnbLQ	240	201	2.0	220	1770	37.80	1	3
12. 0	ADnbT2Q	240	180	2.0	680	1695	37.80	1	3
20. 0	ADsbTQ	240	148	2.0	995	1695	37.80	1	3
22. 0	ADsbRQ	240	148	2.0	70	1583	37.80	1	3
27. 0	ADsbLQ	240	201	2.0	210	1770	37.80	1	3
30. 0	ADsbT2Q	240	132	2.0	1315	1770	37.80	1	3
32. 0	ADsbL2Q	240	162	2.0	240	1717	37.80	1	3
39. 0	CMebTRq	240	182	2.0	360	1723	37.80	1	3
43. 0	CMwbQ	240	200	2.0	465	1687	37.80	1	3
48. 0	193ebLQ	240	97	2.0	840	1717	37.80	1	3
51. 0	193ebT	240	151	2.0	730	1770	37.80	1	3
53. 0	193ebL	240	200	2.0	105	1770	37.80	1	3
58. 0	193wbT	240	128	2.0	1330	1770	37.80	1	3
60. 0	193wbR	240	128	2.0	150	1583	37.80	1	3
63. 0	193wbL	240	185	2.0	570	1717	37.80	1	3
66. 0	193wbQ	240	97	2.0	1400	1394	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.1	.3	.3	.7	.8	.4	.1	.1
5. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.2	.4	.8	.8	.6	.1	.1	
10. *	.1	.1	.2	.4	.5	.1	.1	.0	.0	.0	.0	.0	.1	.4	.8	.8	.6	.1	.1	

15. \* .1 .1 .2 .4 .5 .1 .1 .0 .0 .0 .0 .0 .0 .1 .5 .8 .8 .5 .2 .1  
20. \* .0 .1 .2 .4 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .5 .7 .8 .6 .3 .1  
25. \* .0 .1 .2 .4 .4 .1 .1 .0 .0 .0 .0 .0 .0 .0 .5 .7 .9 .7 .4 .3  
30. \* .0 .0 .1 .4 .4 .1 .1 .0 .0 .0 .0 .0 .0 .0 .6 .7 .9 .8 .4 .5  
35. \* .0 .0 .1 .4 .3 .1 .1 .0 .0 .0 .0 .0 .0 .0 .6 .7 1.0 .7 .5 .4  
40. \* .0 .0 .1 .4 .3 .1 .2 .0 .0 .0 .0 .0 .0 .0 .6 .8 1.0 .6 .3 .4  
45. \* .0 .0 .1 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .7 .8 1.0 .6 .3 .3  
50. \* .0 .0 .0 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.1 .6 .2 .3  
55. \* .0 .0 .0 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .4 .3 .4  
60. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .4 .3 .5  
65. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .3 .3 .7  
70. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.0 1.2 .2 .4 .7  
75. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.0 1.2 .2 .4 .8  
80. \* .0 .0 .0 .1 .2 .2 .2 .1 .1 .2 .1 .0 .0 .0 1.0 1.0 1.0 .2 .4 .8  
85. \* .0 .0 .0 .2 .2 .2 .1 .2 .3 .1 .0 .0 .0 1.0 1.0 1.0 .2 .5 .6  
90. \* .0 .0 .0 .1 .1 .1 .1 .2 .5 .2 .0 .0 .0 1.0 1.1 .9 .3 .5 .6  
95. \* .0 .0 .0 .1 .1 .1 .1 .3 .6 .4 .0 .0 .0 1.0 1.1 .8 .3 .6 .6  
100. \* .0 .0 .0 .1 .1 .1 .1 .4 .7 .5 .1 .0 .0 1.0 1.1 .6 .4 .6 .6  
105. \* .0 .0 .0 .1 .1 .1 .2 .6 .9 .6 .1 .0 .0 .9 1.0 .6 .4 .7 .5  
110. \* .0 .0 .0 .0 .0 .0 .2 .7 1.0 .6 .1 .0 .0 .9 1.1 .6 .6 .7 .5  
115. \* .0 .0 .0 .0 .0 .0 .2 .7 1.0 .6 .2 .1 .0 .9 1.1 .6 .6 .7 .6  
120. \* .0 .0 .0 .0 .0 .0 .2 .8 1.0 .6 .2 .1 .0 .9 1.1 .6 .6 .5 .6  
125. \* .0 .0 .0 .0 .0 .0 .2 .9 1.0 .6 .3 .1 .1 .9 1.0 .6 .6 .5 .6  
130. \* .0 .0 .0 .0 .0 .0 .2 .9 1.0 .5 .3 .1 .1 .9 .8 .6 .5 .5 .6  
135. \* .0 .0 .0 .0 .0 .0 .2 .9 1.0 .4 .3 .2 .1 .8 .8 .6 .6 .5 .5  
140. \* .0 .0 .0 .0 .0 .0 .2 .9 1.0 .4 .2 .2 .1 .6 .7 .5 .5 .5 .4  
145. \* .1 .0 .0 .0 .0 .0 .1 .9 .9 .4 .3 .3 .2 .6 .5 .4 .5 .4 .4  
150. \* .1 .1 .2 .0 .0 .0 .1 .9 .9 .4 .3 .3 .3 .4 .2 .4 .4 .3 .4  
155. \* .1 .3 .4 .1 .0 .0 .1 .9 .9 .6 .6 .6 .4 .2 .3 .4 .3 .3 .4  
160. \* .3 .4 .6 .2 .0 .0 .1 .8 1.0 .7 .7 .8 .6 .1 .1 .3 .3 .3 .4  
165. \* .4 .4 .7 .3 .0 .0 .1 .8 1.0 .8 .8 .8 .6 .0 .1 .3 .3 .4 .4  
170. \* .4 .5 .8 .6 .0 .0 .1 .9 1.1 .7 .8 .8 .9 .0 .1 .2 .3 .3 .4  
175. \* .4 .6 1.1 .6 .1 .0 .1 .9 1.3 .7 .9 .9 1.0 .0 .0 .2 .3 .4 .4  
180. \* .3 .7 1.1 .6 .0 .0 .1 1.0 1.3 .8 .7 1.2 1.0 .0 .0 .2 .3 .4 .3  
185. \* .3 .6 1.2 .7 .2 .0 .1 1.1 1.5 .7 .7 .9 1.2 .0 .0 .1 .3 .4 .3  
190. \* .3 .7 1.2 .8 .2 .0 .1 1.1 1.5 .6 .8 1.1 1.1 .0 .0 .1 .2 .3 .4  
195. \* .3 .7 1.2 .8 .2 .0 .2 1.2 1.4 .5 .9 1.1 1.1 .0 .0 .0 .2 .3 .4  
200. \* .2 .7 1.1 .8 .3 .0 .2 1.2 1.4 .4 .8 1.2 1.1 .0 .0 .0 .2 .2 .3  
205. \* .2 .7 1.1 .8 .3 .1 .0 .3 1.2 1.3 .4 1.0 1.3 .9 .0 .0 .0 .1 .2 .2

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR) \* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* .2 .9 1.0 .7 .3 .1 .0 .3 1.1 1.3 .3 1.1 1.3 .9 .0 .0 .0 .1 .2 .2  
215. \* .2 .8 1.0 .7 .3 .1 .1 .3 1.1 1.2 .3 1.1 1.3 .8 .0 .0 .0 .0 .2 .2  
220. \* .2 .8 1.0 .7 .2 .1 .1 .4 1.1 1.1 .4 1.2 1.1 .8 .0 .0 .0 .0 .2 .2  
225. \* .3 .8 1.0 .7 .2 .1 .1 .5 1.2 1.1 .4 1.1 1.1 .7 .0 .0 .0 .0 .0 .1  
230. \* .3 .8 1.0 .6 .2 .1 .1 .5 1.1 1.1 .3 1.2 1.3 .7 .0 .0 .0 .0 .0 .0  
235. \* .3 .8 1.0 .6 .2 .1 .1 .6 1.1 1.0 .3 1.2 1.2 .9 .0 .0 .0 .0 .0 .0  
240. \* .4 .8 1.0 .6 .2 .1 .1 .7 1.1 .8 .4 1.2 1.2 .9 .0 .0 .0 .0 .0 .0  
245. \* .4 .8 1.0 .6 .2 .1 .1 .8 1.2 .7 .4 1.2 1.1 .9 .0 .0 .0 .0 .0 .0  
250. \* .5 .8 1.0 .6 .2 .1 .1 .8 1.1 .6 .4 1.2 1.1 .9 .0 .0 .0 .0 .0 .0  
255. \* .5 .8 1.0 .6 .1 .1 .1 1.0 1.1 .6 .3 1.2 1.2 .8 .0 .0 .0 .0 .0 .0  
260. \* .6 .8 1.0 .7 .2 .1 .1 .9 1.0 .6 .4 1.3 1.1 .8 .0 .0 .0 .0 .0 .0  
265. \* .6 .9 1.0 .7 .2 .3 .3 .9 .9 .5 .5 1.3 1.1 .7 .0 .0 .0 .0 .0 .0  
270. \* .7 .9 1.0 .5 .3 .4 .3 .8 .7 .5 .6 1.3 1.1 .6 .0 .0 .0 .0 .0 .0  
275. \* .7 .9 1.0 .5 .3 .4 .3 .7 .6 .7 .6 1.2 1.1 .6 .0 .0 .0 .0 .0 .0  
280. \* .8 1.0 1.0 .5 .3 .5 .3 .6 .6 .6 .6 1.2 1.0 .5 .0 .0 .0 .0 .0 .0  
285. \* .9 1.0 1.1 .4 .5 .6 .5 .6 .5 .5 .9 1.2 1.0 .5 .0 .0 .0 .0 .0 .0  
290. \* .9 1.1 1.2 .4 .5 .7 .5 .4 .4 .5 .9 1.3 1.0 .5 .0 .0 .0 .0 .0 .0  
295. \* 1.0 1.1 1.2 .3 .8 .8 .5 .3 .4 .5 1.1 1.2 1.0 .5 .0 .0 .0 .0 .0 .0  
300. \* 1.0 1.3 1.2 .3 .9 .8 .5 .3 .3 .6 1.1 1.1 1.0 .5 .0 .0 .0 .0 .0 .0  
305. \* 1.1 1.3 1.3 .3 .9 .8 .4 .1 .3 .6 1.1 1.1 1.0 .5 .0 .0 .0 .0 .0 .0  
310. \* 1.2 1.3 1.2 .4 .9 .6 .3 .1 .2 .4 1.1 1.2 .8 .6 .0 .0 .0 .0 .0 .0  
315. \* 1.2 1.3 1.4 .6 1.0 .6 .2 .0 .1 .4 1.0 1.1 .8 .4 .0 .0 .0 .0 .0 .0  
320. \* 1.2 1.5 1.0 .6 .9 .4 .2 .0 .1 .4 1.1 1.0 .7 .4 .0 .0 .1 .0 .0 .0  
325. \* 1.2 1.3 .8 .5 .7 .2 .2 .0 .0 .1 .9 .9 .5 .5 .0 .1 .1 .0 .0 .0  
330. \* 1.1 1.0 .7 .5 .6 .2 .1 .0 .0 .1 .9 .7 .5 .5 .2 .2 .3 .0 .0 .0  
335. \* .8 .9 .7 .3 .6 .2 .1 .0 .0 .1 .6 .4 .4 .4 .2 .3 .4 .1 .0 .0  
340. \* .7 .6 .5 .4 .6 .1 .1 .0 .0 .0 .5 .3 .3 .4 .2 .3 .5 .1 .0 .0  
345. \* .4 .5 .3 .4 .6 .1 .1 .0 .0 .0 .3 .3 .2 .4 .3 .4 .7 .2 .1 .0  
350. \* .3 .3 .2 .3 .6 .1 .1 .0 .0 .0 .1 .3 .2 .3 .2 .5 .7 .3 .1 .0  
355. \* .2 .1 .2 .4 .6 .1 .1 .0 .0 .0 .1 .2 .3 .2 .5 .8 .4 .1 .1 .1  
360. \* .1 .1 .2 .4 .6 .1 .1 .0 .0 .0 .0 .1 .3 .3 .3 .7 .8 .4 .1 .1

MAX \* 1.2 1.5 1.4 .8 1.0 .8 .5 1.0 1.2 1.5 1.1 1.3 1.3 1.2 1.0 1.1 1.2 .8 .7 .8  
DEGR. \* 310 320 315 190 315 295 285 255 195 185 295 260 205 185 70 90 55 30 105 75

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.2	1.0	.9	.6	.8	1.2
5.	*	.1	.2	.2	1.1	.8	.5	1.0	1.1
10.	*	.1	.2	.2	1.1	.8	.7	.9	1.1
15.	*	.1	.2	.2	1.1	.4	.6	1.1	1.2
20.	*	.1	.3	.3	1.1	.4	.6	1.0	1.1
25.	*	.1	.2	.3	1.1	.4	.7	1.1	1.1
30.	*	.1	.2	.5	1.1	.3	.7	1.0	1.0
35.	*	.2	.2	.5	1.0	.3	.9	.9	1.0
40.	*	.3	.2	.6	.7	.4	.9	.9	.9
45.	*	.4	.2	.5	.7	.4	.9	.9	.9
50.	*	.5	.2	.5	.6	.4	1.0	1.0	.9
55.	*	.6	.2	.5	.6	.5	1.0	1.0	.9
60.	*	.6	.3	.5	.7	.5	1.0	.9	.8
65.	*	.6	.3	.5	.6	.6	.9	.9	.8
70.	*	.7	.3	.5	.6	.6	.9	.9	.8
75.	*	.7	.3	.4	.6	.6	.9	.9	.8
80.	*	.6	.3	.4	.5	.6	.8	.9	.8
85.	*	.6	.3	.4	.4	.6	.8	.9	.8
90.	*	.6	.2	.4	.5	.6	.8	.9	.8
95.	*	.5	.1	.3	.5	.6	.8	.9	.8
100.	*	.5	.1	.2	.5	.6	.9	.9	.8
105.	*	.5	.1	.3	.5	.7	.9	.9	.8
110.	*	.6	.1	.3	.5	.7	.9	.9	.7
115.	*	.6	.1	.2	.5	.8	1.0	.9	.7
120.	*	.5	.1	.2	.5	.8	1.1	1.0	.8
125.	*	.5	.0	.2	.5	.9	1.1	.9	.7
130.	*	.4	.0	.2	.4	.9	1.0	.9	.8
135.	*	.4	.0	.2	.2	.9	.9	.8	.6
140.	*	.4	.0	.1	.2	.9	.8	.9	.6
145.	*	.4	.0	.0	.2	.8	.9	.9	.5
150.	*	.3	.0	.0	.1	.8	.8	.8	.4
155.	*	.3	.0	.0	.1	.7	.7	.5	.4
160.	*	.3	.0	.0	.0	.5	.5	.5	.4
165.	*	.3	.0	.0	.0	.3	.3	.2	.2
170.	*	.3	.0	.0	.0	.1	.2	.2	.2
175.	*	.4	.0	.0	.0	.1	.1	.1	.1
180.	*	.4	.0	.0	.0	.1	.1	.1	.1
185.	*	.4	.0	.0	.0	.0	.1	.1	.1
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.4	.0	.0	.0	.0	.0	.0	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S11 NoBld 2015AM

RUN: PurpleLine S11 NoBld 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.1	.0	.0	.0
255.	*	.0	.1	.0	.0	.1	.0	.0	.0
260.	*	.0	.1	.0	.0	.2	.0	.0	.0
265.	*	.0	.1	.0	.0	.3	.0	.0	.0
270.	*	.0	.1	.0	.1	.4	.0	.0	.0
275.	*	.0	.1	.0	.1	.5	.0	.0	.0
280.	*	.0	.0	.0	.2	.6	.0	.0	.0
285.	*	.0	.0	.0	.3	.8	.1	.0	.0
290.	*	.0	.0	.1	.4	.8	.1	.0	.0
295.	*	.0	.0	.1	.5	.8	.1	.0	.0
300.	*	.0	.0	.1	.5	.8	.3	.1	.0
305.	*	.0	.0	.1	.6	.8	.3	.1	.0
310.	*	.0	.1	.1	.6	.7	.3	.2	.1
315.	*	.0	.2	.1	.6	.8	.4	.2	.2
320.	*	.0	.2	.1	.7	.8	.5	.2	.2
325.	*	.0	.2	.1	.7	.7	.4	.3	.2
330.	*	.0	.2	.1	.7	1.2	.5	.5	.4
335.	*	.0	.2	.1	.9	1.1	.7	.5	.6
340.	*	.0	.2	.1	.9	1.0	.7	.6	.8
345.	*	.0	.2	.2	.8	1.0	.8	.8	.9
350.	*	.0	.3	.3	.8	.9	.9	.8	.8
355.	*	.0	.3	.3	.8	.9	.7	.8	.9
360.	*	.0	.2	.2	1.0	.9	.6	.8	1.2
MAX	*	.7	.3	.6	1.1	1.2	1.1	1.1	1.2
DEGR.	*	70	20	40	5	330	120	15	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 320 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 185 DEGREES FROM REC10 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 315 DEGREES FROM REC3 .

PurpleLine S11 NoBld 2015PM				60.0321.0.0000.000280.30480000	1	1					
SE MID S	1807.	2472.	5.0								
SE 164 S	1777.	2550.	5.0								
SE 82 S	1748.	2626.	5.0								
SE CNR	1744.	2727.	5.0								
SE 82 E	1841.	2753.	5.0								
SE 164 E	1923.	2749.	5.0								
SE MID E	2005.	2746.	5.0								
NE MID E	1900.	2822.	5.0								
NE 164 E	1818.	2830.	5.0								
NE 82 E	1736.	2835.	5.0								
NE CNR	1659.	2853.	5.0								
NE 82 N	1632.	2920.	5.0								
NE 164 N	1599.	2996.	5.0								
NE MID N	1574.	3075.	5.0								
NW MID N	1211.	3354.	5.0								
NW 164 N	1254.	3283.	5.0								
NW 82 N	1294.	3212.	5.0								
NW CNR	1303.	3104.	5.0								
NW 82 W	1275.	3005.	5.0								
NW 164 W	1231.	2935.	5.0								
NW MID W	1180.	2872.	5.0								
SW MID W	1347.	2691.	5.0								
SW 164 W	1427.	2712.	5.0								
SW 82 W	1510.	2728.	5.0								
SW CNR	1592.	2741.	5.0								
SW 82 S	1623.	2669.	5.0								
SW 164 S	1655.	2594.	5.0								
SW MID S	1686.	2517.	5.0								
PurpleLine S11 NoBld 2015PM				69	1	0					
1											
0	ADnbAP	AG	2094.	1673.	1803.	2404.	1995	5.0	0	44	30.
0	ADnbT	AG	1797.	2401.	1636.	2800.	1555	5.0	0	56	30.
0	ADnbTQ	AG	1661.	2738.	1786.	2427.	0.	36	3		
247		157	2.0	1555	37.8	1695	1	3			
1											
0	ADnbR	AG	1815.	2410.	1711.	2675.	220	5.0	0	32	30.
0	ADnbRQ	AG	1714.	2669.	1804.	2439.	0.	12	1		
247		157	2.0	220	37.8	1583	1	3			
1											
0	ADnbR	AG	1711.	2675.	1722.	2740.	220	5.0	0	32	30.
0	ADnbR	AG	1722.	2740.	1789.	2778.	220	5.0	0	32	30.
0	ADnbL	AG	1772.	2400.	1616.	2796.	220	5.0	0	32	30.
0	ADnbLQ	AG	1642.	2729.	1765.	2418.	0.	12	1		
247		213	2.0	220	37.8	1770	1	3			
1											
0	ADnb2	AG	1639.	2803.	1570.	2969.	1945	5.0	0	56	30.
0	ADnbT2	AG	1571.	2968.	1458.	3168.	1290	5.0	0	56	30.
0	ADnbT2Q	AG	1514.	3070.	1570.	2970.	0.	36	3		
247		171	2.0	1290	37.8	1695	1	3			
1											
0	ADnbR2	AG	1592.	2972.	1555.	3064.	655	5.0	0	32	30.
0	ADnbR2	AG	1555.	3064.	1551.	3156.	655	5.0	0	32	30.
0	ADnbR2	AG	1551.	3156.	1615.	3374.	655	5.0	0	32	30.
0	ADnbD	AG	1460.	3169.	1201.	3572.	1720	5.0	0	56	30.
0	ADnbD	AG	1201.	3572.	1110.	3763.	1720	5.0	0	44	30.
0	ADsbAP	AG	1082.	3641.	1177.	3472.	1260	3.6	0	68	30.
0	ADsbT	AG	1177.	3473.	1422.	3106.	970	3.6	0	56	30.
0	ADsbTQ	AG	1372.	3181.	1203.	3435.	0.	36	3		
247		145	2.0	970	37.8	1695	1	3			
1											
0	ADsbR	AG	1177.	3439.	1306.	3233.	170	3.6	0	32	30.
0	ADsbRQ	AG	1303.	3238.	1182.	3431.	0.	12	1		
247		145	2.0	170	37.8	1583	1	3			
1											
0	ADsbR	AG	1306.	3233.	1327.	3131.	170	3.6	0	32	30.
0	ADsbR	AG	1327.	3131.	1296.	3001.	170	3.6	0	32	30.
0	ADsbR	AG	1296.	3001.	1249.	2911.	170	3.6	0	32	30.
0	ADsbL	AG	1228.	3446.	1435.	3128.	120	3.6	0	32	30.
0	ADsbLQ	AG	1388.	3200.	1240.	3427.	0.	12	1		
247		213	2.0	120	37.8	1770	1	3			
1											
0	ADsb2	AG	1422.	3107.	1495.	2999.	1380	3.6	0	56	30.
0	ADsbT2	AG	1483.	2997.	1593.	2797.	1140	3.6	0	44	30.

0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		247	144	2.0	1140	37.8	1770	1 3					
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		247	199	2.0	240	37.8	1717	1 3					
0	1	ADsblD	AG	1595.	2795.	1972.	1867.		1660	3.6	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		2070	4.1	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		2070	4.1	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		535	4.1	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		535	4.1	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		535	4.1	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		247	194	2.0	535	37.8	1723	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		455	4.1	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		675	4.1	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		1085	4.1	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		247	185	2.0	1085	37.8	1691	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		415	4.1	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		415	4.1	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		415	4.1	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1535	3.5	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		247	108	2.0	1535	37.8	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1535	3.5	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		1425	3.5	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		247	141	2.0	1425	37.8	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		110	3.5	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		247	185	2.0	110	37.8	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2200	3.5	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2200	3.5	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		1805	3.5	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1070	3.5	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		247	161	2.0	1070	37.8	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		320	3.5	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		247	161	2.0	320	37.8	1583	1 3					
0	1	193wbR	AG										

JOB: PurpleLine S11 NoBld 2015PM  
DATE: 10/16/2007 TIME: 10:06:20.50

RUN: PurpleLine S11 NoBld 2015PM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1995.	5.0	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1555.	5.0	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1834.2	2307.2	*	464.	158. AG	193.	100.0	.0	36.0	.88 23.6
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	220.	5.0	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1782.8	2493.1	*	189.	159. AG	64.	100.0	.0	12.0	.40 9.6
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	220.	5.0	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	220.	5.0	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	5.0	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1784.6	2368.4	*	388.	158. AG	87.	100.0	.0	12.0	1.03 19.7
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1945.	5.0	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1290.	5.0	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1720.1	2701.9	*	422.	151. AG	211.	100.0	.0	36.0	.87 21.4
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	655.	5.0	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	655.	5.0	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	655.	5.0	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1720.	5.0	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1720.	5.0	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1260.	3.6	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	970.	3.6	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1230.1	3394.2	*	256.	326. AG	179.	100.0	.0	36.0	.48 13.0
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	170.	3.6	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1231.4	3352.2	*	135.	328. AG	60.	100.0	.0	12.0	.27 6.8
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	170.	3.6	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	170.	3.6	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	170.	3.6	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	120.	3.6	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1311.7	3317.1	*	140.	327. AG	87.	100.0	.0	12.0	.56 7.1
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1380.	3.6	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1140.	3.6	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1346.8	3242.8	*	449.	331. AG	118.	100.0	.0	24.0	.80 22.8
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1522.9	2968.3	*	131.	331. AG	163.	100.0	.0	24.0	.39 6.6
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1660.	3.6	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	2070.	4.1	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2070.	4.1	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	535.	4.1	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	535.	4.1	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	535.	4.1	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1395.6	2746.6	*	189.	263. AG	239.	100.0	.0	36.0	.52 9.6
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	455.	4.1	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	675.	4.1	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1085.	4.1	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	2099.5	2788.1	*	402.	93. AG	228.	100.0	.0	36.0	.91 20.4
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	415.	4.1	.0	44.0	

JOB: PurpleLine S11 NoBld 2015PM  
DATE: 10/16/2007 TIME: 10:06:20.50

RUN: PurpleLine S11 NoBld 2015PM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	415.	4.1	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	415.	4.1	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1535.	3.5	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	805.1	2454.7	*	453.	234. AG	89.	100.0	.0	24.0	.82 23.0
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1535.	3.5	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1425.	3.5	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1064.0	2486.7	*	644.	215. AG	116.	100.0	.0	24.0	.98 32.7
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	110.	3.5	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1357.6	2931.0	*	111.	216. AG	76.	100.0	.0	12.0	.27 5.7
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2200.	3.5	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2200.	3.5	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	1805.	3.5	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1070.	3.5	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1603.1	3742.0	*	508.	17. AG	132.	100.0	.0	24.0	.91 25.8
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	320.	3.5	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1543.5	3613.1	*	282.	19. AG	66.	100.0	.0	12.0	.61 14.3
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	320.	3.5	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	415.	3.5	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1557.1	3516.1	*	293.	17. AG	174.	100.0	.0	24.0	.96 14.9
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1235.	3.5	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1235.	3.5	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1995.8	3711.7	*	1245.	43. AG	119.	100.0	.0	24.0	1.12 63.3
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1235.	3.5	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1650.	3.5	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1650.	3.5	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	247	157	2.0	1555	1695	37.80	1	3
5. 0	ADnbRQ	247	157	2.0	220	1583	37.80	1	3
9. 0	ADnbLQ	247	213	2.0	220	1770	37.80	1	3
12. 0	ADnbT2Q	247	171	2.0	1290	1695	37.80	1	3
20. 0	ADsbTQ	247	145	2.0	970	1695	37.80	1	3
22. 0	ADsbRQ	247	145	2.0	170	1583	37.80	1	3
27. 0	ADsbLQ	247	213	2.0	120	1770	37.80	1	3
30. 0	ADsbT2Q	247	144	2.0	1140	1770	37.80	1	3
32. 0	ADsbL2Q	247	199	2.0	240	1717	37.80	1	3
39. 0	CMebTRq	247	194	2.0	535	1723	37.80	1	3
43. 0	CMwbQ	247	185	2.0	1085	1691	37.80	1	3
48. 0	193ebLQ	247	108	2.0	1535	1717	37.80	1	3
51. 0	193ebT	247	141	2.0	1425	1770	37.80	1	3
53. 0	193ebL	247	185	2.0	110	1770	37.80	1	3
58. 0	193wbT	247	161	2.0	1070	1770	37.80	1	3
60. 0	193wbR	247	161	2.0	320	1583	37.80	1	3
63. 0	193wbL	247	212	2.0	415	1717	37.80	1	3
66. 0	193wbQ	247	145	2.0	1235	1394	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

JOB: PurpleLine S11 NoBld 2015PM

RUN: PurpleLine S11 NoBld 2015PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.2	.3	.4	.7	.7	.7	.0	.0	.1	.2	.2	.4	.6	.3	.8	.7	.4	.2	.1
5. *	.1	.1	.3	.4	.7	.7	.7	.0	.0	.1	.2	.2	.5	.3	.8	.7	.4	.2	.1	
10. *	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.2	.1	.2	.2	.3	.8	.8	.5	.2	.2

15. \* .1 .2 .2 .4 .7 .7 .7 .0 .0 .0 .2 .1 .1 .2 .4 .8 .8 .7 .3 .2  
20. \* .1 .2 .2 .4 .7 .7 .7 .0 .0 .0 .0 .1 .1 .2 .4 .8 .8 .7 .5 .3  
25. \* .1 .2 .2 .4 .7 .7 .7 .0 .0 .0 .0 .1 .1 .4 .8 .9 .8 .5 .4  
30. \* .1 .2 .2 .4 .7 .7 .7 .0 .0 .0 .0 .1 .1 .5 .8 .8 .8 .6 .5  
35. \* .1 .2 .2 .5 .7 .7 .7 .0 .0 .0 .0 .1 .1 .5 .9 .9 .8 .8 .5  
40. \* .1 .1 .2 .5 .7 .7 .7 .0 .0 .0 .0 .1 .1 .5 .9 .9 .8 .6 .5  
45. \* .1 .1 .2 .5 .7 .7 .7 .0 .0 .0 .0 .0 .0 .6 .9 .9 .8 .5 .5  
50. \* .0 .1 .2 .5 .7 .7 .7 .0 .0 .0 .0 .0 .0 .7 .1 .0 .1 .2 .8 .4 .5  
55. \* .0 .1 .2 .5 .7 .7 .6 .0 .0 .0 .0 .0 .0 .7 .1 .0 .1 .2 .7 .5 .5  
60. \* .0 .1 .2 .6 .7 .7 .6 .1 .0 .0 .0 .0 .0 .7 .1 .3 .1 .2 .6 .6 .5  
65. \* .0 .0 .1 .6 .7 .7 .5 .2 .0 .0 .0 .0 .0 .8 .1 .3 .1 .2 .5 .5 .7  
70. \* .0 .0 .1 .6 .7 .6 .5 .2 .2 .2 .0 .0 .0 .8 .1 .3 .1 .2 .5 .6 .9  
75. \* .0 .0 .1 .5 .8 .7 .5 .3 .2 .2 .1 .0 .0 .9 .1 .3 .1 .1 .5 .5 .9  
80. \* .0 .0 .0 .5 .7 .6 .4 .4 .3 .3 .1 .0 .0 .9 .1 .2 .1 .1 .6 .5 .8  
85. \* .0 .0 .0 .4 .6 .5 .4 .6 .6 .6 .3 .0 .0 .1 .1 .2 .1 .1 .6 .7 .8  
90. \* .0 .0 .0 .3 .4 .4 .3 .8 .7 .7 .4 .1 .0 .0 .1 .1 .2 .1 .0 .6 .7 .1  
95. \* .0 .0 .0 .1 .4 .3 .2 .1 .0 .1 .0 .5 .1 .0 .0 .1 .1 .2 .1 .0 .5 .9 .1  
100. \* .0 .0 .0 .0 .3 .3 .2 .1 .1 .1 .1 .7 .2 .0 .0 .1 .1 .2 .8 .6 .1 .8  
105. \* .0 .0 .0 .0 .2 .1 .1 .1 .4 .1 .2 .9 .3 .1 .0 .1 .1 .2 .9 .7 .1 .9  
110. \* .0 .0 .0 .0 .1 .1 .1 .1 .4 .1 .3 .3 .9 .4 .1 .0 .1 .1 .2 .1 .8 .1 .8  
115. \* .0 .0 .0 .0 .0 .0 .0 .0 .3 .1 .2 .3 .9 .4 .2 .1 .1 .1 .1 .0 .6 .1 .9  
120. \* .0 .0 .0 .0 .0 .0 .0 .0 .3 .1 .2 .2 .8 .4 .3 .1 .1 .2 .1 .9 .7 .8  
125. \* .0 .0 .0 .0 .0 .0 .0 .0 .3 .1 .2 .1 .8 .4 .3 .1 .1 .4 .1 .8 .7 .7  
130. \* .0 .0 .0 .0 .0 .0 .0 .0 .2 .1 .2 .1 .7 .5 .3 .1 .1 .4 .1 .9 .8 .7  
135. \* .0 .0 .0 .0 .0 .0 .0 .0 .2 .1 .1 .0 .7 .5 .3 .1 .1 .2 .1 .8 .7 .7  
140. \* .1 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .0 .8 .5 .3 .2 .9 .9 .5 .7 .6 .8  
145. \* .2 .2 .2 .0 .0 .0 .0 .1 .1 .1 .0 .1 .0 .7 .5 .2 .7 .7 .4 .6 .6 .7  
150. \* .3 .3 .5 .1 .0 .0 .0 .1 .1 .9 .8 .1 .2 .9 .7 .5 .7 .5 .6 .5 .6  
155. \* .4 .4 .5 .2 .0 .0 .0 .9 .9 .9 .1 .5 .1 .2 .9 .8 .4 .3 .5 .4 .5 .6  
160. \* .7 .8 .9 .3 .0 .0 .0 .9 .9 .1 .0 .9 .1 .5 .1 .3 .1 .0 .2 .3 .3 .4 .5 .6  
165. \* .8 .1 .1 .2 .6 .1 .0 .0 .9 .1 .0 .1 .1 .9 .1 .6 .1 .3 .1 .0 .2 .2 .3 .4 .5 .6  
170. \* .9 .1 .2 .3 .7 .1 .1 .0 .1 .0 .1 .1 .4 .9 .1 .6 .1 .3 .1 .2 .2 .2 .3 .4 .6  
175. \* .1 .0 .2 .4 .8 .2 .1 .0 .1 .0 .1 .1 .5 .9 .1 .6 .1 .4 .1 .2 .2 .2 .3 .5 .6  
180. \* .9 .1 .4 .5 .7 .2 .1 .1 .1 .1 .1 .5 .1 .8 .1 .6 .1 .5 .1 .2 .1 .2 .3 .5 .6  
185. \* .1 .0 .4 .4 .9 .3 .2 .1 .1 .2 .1 .2 .6 .1 .7 .1 .4 .1 .2 .1 .1 .0 .2 .2 .4 .5  
190. \* .1 .1 .4 .4 .9 .4 .2 .1 .1 .1 .2 .1 .6 .1 .6 .1 .4 .1 .4 .1 .1 .0 .0 .2 .2 .4 .5  
195. \* .1 .1 .4 .4 .1 .0 .4 .2 .1 .1 .0 .2 .1 .7 .1 .4 .1 .2 .1 .5 .1 .2 .0 .0 .2 .2 .4 .5  
200. \* .1 .1 .2 .2 .1 .0 .4 .1 .2 .1 .0 .3 .1 .6 .1 .4 .1 .1 .1 .5 .1 .0 .0 .0 .1 .2 .4 .5  
205. \* .9 .1 .1 .1 .9 .5 .1 .1 .1 .1 .3 .1 .5 .1 .4 .1 .2 .1 .3 .9 .0 .0 .0 .0 .2 .4 .5

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JOB: PurpleLine S11 NoBld 2015PM RUN: PurpleLine S11 NoBld 2015PM PAGE 6

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR) \* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* .9 1.1 1.1 .9 .5 .2 .1 1.1 1.4 1.5 1.3 1.2 1.4 1.0 .0 .0 .0 .1 .4 .4  
215. \* .9 1.1 1.1 .8 .5 .2 .1 1.3 1.3 1.3 1.3 1.4 .9 .0 .0 .0 .1 .3 .3  
220. \* .9 1.1 1.1 .8 .5 .2 .1 1.3 1.3 1.4 1.3 1.4 1.5 .8 .0 .0 .0 .0 .1 .3  
225. \* .9 1.1 1.1 .9 .5 .2 .1 1.3 1.3 1.4 1.3 1.5 1.4 .8 .0 .0 .0 .0 .1 .1  
230. \* .9 1.1 1.1 1.0 .3 .2 .1 1.5 1.4 1.5 1.4 1.5 1.3 1.1 .0 .0 .0 .0 .0 .0  
235. \* .9 1.1 1.1 1.0 .3 .2 .1 1.5 1.4 1.3 1.4 1.5 1.3 1.2 .0 .0 .0 .0 .0 .0  
240. \* .9 1.1 1.1 1.1 .4 .2 .2 1.6 1.5 1.3 1.4 1.5 1.3 1.2 .0 .0 .0 .0 .0 .0  
245. \* .9 1.1 1.1 1.1 .4 .2 .2 1.5 1.5 1.2 1.6 1.5 1.3 1.1 .0 .0 .0 .0 .0 .0  
250. \* .9 1.1 1.1 1.1 .3 .3 .2 1.6 1.4 1.4 1.5 1.4 1.3 1.0 .0 .0 .0 .0 .0 .0  
255. \* .9 1.1 1.1 1.2 .5 .3 .1 1.5 1.3 1.2 1.5 1.4 1.2 1.0 .0 .0 .0 .0 .0 .0  
260. \* .9 1.1 1.1 1.3 .5 .4 .4 1.5 1.3 1.2 1.5 1.5 1.3 1.0 .0 .0 .0 .0 .0 .0  
265. \* .9 1.1 1.1 1.2 .5 .6 .5 1.4 1.3 1.0 1.5 1.5 1.2 .8 .0 .0 .0 .0 .0 .0  
270. \* .9 1.1 1.1 1.3 .7 .5 .7 1.3 1.2 1.0 1.4 1.5 1.2 .8 .0 .0 .0 .0 .0 .0  
275. \* .9 1.1 1.1 1.3 .7 .7 .7 1.2 1.0 1.0 1.7 1.5 1.2 .8 .0 .0 .0 .0 .0 .0  
280. \* .9 1.1 1.2 1.2 .7 .8 .8 1.0 .8 .9 1.7 1.5 1.1 .7 .0 .0 .0 .0 .0 .0  
285. \* .9 1.1 1.2 1.2 .8 .9 .8 .8 .8 1.0 1.7 1.7 1.2 .7 .0 .0 .0 .0 .0 .0  
290. \* .1 .0 .2 1.2 1.1 .9 .8 .8 .6 .7 .9 1.9 1.6 1.1 .6 .0 .0 .0 .0 .0 .0  
295. \* .1 .1 1.3 1.2 1.1 1.2 1.0 .9 .4 .7 .8 1.9 1.5 1.1 .6 .0 .0 .0 .0 .0 .0  
300. \* .1 .4 1.4 1.3 1.1 1.1 1.0 .9 .4 .4 .8 1.9 1.4 1.2 .7 .0 .0 .0 .0 .0 .0  
305. \* .1 .4 1.5 1.4 1.2 1.2 .9 .9 .2 .3 .7 1.9 1.4 1.2 .7 .0 .0 .0 .0 .0 .0  
310. \* .1 .4 1.6 1.4 1.2 1.1 .8 .9 .1 .2 .7 1.8 1.3 1.2 .7 .0 .0 .0 .0 .0 .0  
315. \* .1 .5 1.5 1.5 1.3 1.0 .8 .8 .0 .1 .8 2.0 1.4 1.1 .6 .0 .0 .0 .0 .0 .0  
320. \* .1 .6 1.6 1.6 1.2 .8 .7 .7 .0 .1 .4 1.8 1.3 1.0 .7 .0 .0 .1 .0 .0 .0  
325. \* .1 .5 1.7 1.3 1.1 .8 .7 .7 .0 .0 .2 1.7 1.1 .9 .7 .0 .1 .2 .0 .0 .0  
330. \* .1 .6 1.4 1.3 1.0 .7 .7 .7 .0 .0 .2 1.4 .9 .7 .6 .2 .3 .4 .0 .0 .0  
335. \* .1 .1 1.0 1.3 .7 .7 .7 .0 .0 .2 1.1 .8 .8 .6 .2 .3 .4 .1 .0 .0 .0  
340. \* .1 .0 .9 .9 .5 .7 .7 .0 .1 .3 1.0 .6 .6 .5 .2 .4 .6 .1 .0 .0 .0  
345. \* .6 .6 .7 .5 .7 .7 .0 .1 .1 .7 .4 .5 .6 .3 .6 .6 .2 .1 .0 .0  
350. \* .5 .6 .4 .5 .7 .7 .0 .0 .1 .5 .5 .5 .6 .3 .6 .7 .4 .1 .0 .0  
355. \* .4 .2 .3 .5 .7 .7 .0 .0 .1 .3 .4 .4 .7 .3 .8 .7 .4 .1 .1 .1  
360. \* .1 .2 .3 .4 .7 .7 .0 .0 .1 .2 .2 .4 .6 .3 .8 .7 .4 .2 .1 .1

MAX \* 1.6 1.7 1.6 1.3 1.2 1.0 .9 1.6 1.5 1.7 2.0 1.7 1.5 1.2 1.4 1.3 1.2 .9 1.1 1.0  
DEGR. \* 320 325 320 260 295 295 295 240 240 195 315 285 180 235 125 125 50 130 100 90

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JOB: PurpleLine S11 NoBld 2015PM RUN: PurpleLine S11 NoBld 2015PM PAGE 7

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.



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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28
-----
 0. * .0 .4 1.0 1.2 1.3 .9 1.2 1.3
 5. * .1 .4 .9 1.2 1.2 .9 1.3 1.4
10. * .1 .4 1.0 1.4 1.2 1.1 1.3 1.3
15. * .1 .4 1.0 1.4 1.0 1.0 1.3 1.3
20. * .1 .6 1.1 1.5 .9 1.0 1.4 1.4
25. * .3 .5 1.1 1.4 .9 1.2 1.3 1.2
30. * .4 .5 1.1 1.2 .9 1.2 1.3 1.2
35. * .5 .6 1.1 1.2 .9 1.3 1.2 1.2
40. * .4 .7 1.1 1.1 1.0 1.4 1.2 1.1
45. * .6 .7 1.0 1.0 1.0 1.4 1.1 1.1
50. * .7 .7 1.0 1.0 .9 1.3 1.1 1.1
55. * .6 .6 .8 1.2 .9 1.3 1.2 1.1
60. * .8 .7 .9 1.2 .9 1.3 1.1 1.1
65. * .8 .7 .8 1.2 1.1 1.3 1.1 1.0
70. * .9 .7 .8 1.1 1.1 1.3 1.1 1.0
75. * .7 .6 .8 1.0 1.2 1.3 1.1 1.0
80. * .7 .5 .9 1.0 1.2 1.2 1.0 1.0
85. * .7 .5 .7 .9 1.2 1.1 1.0 1.0
90. * .7 .4 .6 .7 1.2 .9 1.0 1.0
95. * .8 .4 .6 .5 1.0 .9 1.0 .9
100. * .9 .2 .3 .7 1.0 .9 1.0 .9
105. * .9 .2 .3 .6 1.0 1.0 1.1 1.0
110. * .9 .1 .4 .5 .9 1.1 1.1 1.0
115. * .8 .1 .5 .5 .9 1.1 1.1 1.0
120. * .8 .1 .4 .5 1.1 1.2 1.2 1.1
125. * .8 .1 .3 .5 1.0 1.2 1.1 1.2
130. * .8 .1 .2 .5 1.1 1.2 1.1 1.1
135. * .6 .1 .3 .5 1.1 1.1 1.2 1.1
140. * .6 .0 .3 .6 1.1 1.2 1.1 .9
145. * .6 .0 .1 .3 1.2 1.0 1.0 1.1
150. * .6 .0 .0 .3 .9 .9 1.0 1.0
155. * .6 .0 .0 .2 .8 .8 .8 .6
160. * .5 .0 .0 .0 .8 .7 .6 .5
165. * .5 .0 .0 .0 .4 .4 .4 .4
170. * .5 .0 .0 .0 .3 .2 .2 .2
175. * .5 .0 .0 .0 .1 .1 .1 .1
180. * .6 .0 .0 .0 .1 .1 .1 .1
185. * .7 .0 .0 .0 .0 .1 .1 .1
190. * .6 .0 .0 .0 .0 .0 .0 .0
195. * .6 .0 .0 .0 .0 .0 .0 .0
200. * .6 .0 .0 .0 .0 .0 .0 .0
205. * .4 .0 .0 .0 .0 .0 .0 .0

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JOB: PurpleLine S11 NoBld 2015PM

RUN: PurpleLine S11 NoBld 2015PM

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WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28
-----
210. * .3 .0 .0 .0 .0 .0 .0 .0
215. * .3 .0 .0 .0 .0 .0 .0 .0
220. * .2 .0 .0 .0 .0 .0 .0 .0
225. * .1 .0 .0 .0 .0 .0 .0 .0
230. * .0 .1 .0 .0 .0 .0 .0 .0
235. * .0 .1 .1 .0 .0 .0 .0 .0
240. * .0 .1 .1 .0 .0 .0 .0 .0
245. * .0 .2 .1 .1 .1 .0 .0 .0
250. * .0 .2 .2 .2 .2 .0 .0 .0
255. * .0 .2 .3 .2 .3 .0 .0 .0
260. * .0 .2 .3 .3 .4 .0 .0 .0
265. * .0 .4 .3 .3 .7 .1 .0 .0
270. * .0 .4 .2 .5 .8 .1 .0 .0
275. * .0 .4 .2 .6 .9 .2 .0 .0
280. * .0 .3 .2 .7 1.0 .2 .0 .0
285. * .0 .2 .3 .7 1.0 .3 .1 .0
290. * .0 .2 .3 .9 1.1 .3 .1 .0
295. * .0 .2 .4 .9 1.1 .3 .2 .0
300. * .0 .2 .5 .9 1.1 .4 .2 .0
305. * .0 .3 .5 1.0 1.0 .4 .2 .1
310. * .0 .4 .6 1.0 1.0 .5 .3 .2
315. * .0 .4 .6 1.0 1.0 .6 .3 .2
320. * .0 .4 .6 1.0 1.0 .6 .3 .2
325. * .0 .4 .7 1.0 1.0 .5 .4 .2
330. * .0 .4 .7 .9 1.4 .6 .5 .5
335. * .0 .4 .8 1.1 1.3 .8 .5 .7
340. * .0 .4 .8 1.1 1.3 .9 .9 .9
345. * .0 .3 1.0 1.0 1.3 .9 1.2 1.0
350. * .0 .3 1.1 1.0 1.2 .9 1.0 .9
355. * .0 .4 1.0 1.1 1.3 1.1 1.1 1.1
360. * .0 .4 1.0 1.2 1.3 .9 1.2 1.3
-----
MAX * .9 .7 1.1 1.5 1.4 1.4 1.4 1.4
DEGR. * 100 40 20 20 330 40 20 5

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THE HIGHEST CONCENTRATION IS 2.00 PPM AT 315 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 325 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 285 DEGREES FROM REC12.

PurpleLine S11-LBRTAM 2015			60.0321.0.0000.000340.30480000	1	1
SE MID S	1807.	2472.	5.0		
SE 164 S	1777.	2550.	5.0		
SE 82 S	1748.	2626.	5.0		
SE CNR	1744.	2727.	5.0		
SE 82 E	1841.	2741.	5.0		
SE 164 E	1922.	2738.	5.0		
SE MID E	2005.	2734.	5.0		
NE MID E	1900.	2833.	5.0		
NE 164 E	1818.	2842.	5.0		
NE 82 E	1736.	2847.	5.0		
NE CNR	1659.	2853.	5.0		
NE 82 N	1627.	2929.	5.0		
NE 164 N	1595.	3005.	5.0		
NE MID N	1574.	3085.	5.0		
NW MID N	1211.	3354.	5.0		
NW 164 N	1254.	3283.	5.0		
NW 82 N	1294.	3212.	5.0		
NW CNR	1303.	3104.	5.0		
NW 82 W	1275.	3005.	5.0		
NW 164 W	1231.	2935.	5.0		
NW MID W	1180.	2872.	5.0		
SW MID W	1352.	2681.	5.0		
SW 164 W	1432.	2700.	5.0		
SW 82 W	1514.	2717.	5.0		
SW CNR	1597.	2730.	5.0		
SW 82 S	1627.	2660.	5.0		
SW 164 S	1659.	2584.	5.0		
SW MID S	1690.	2508.	5.0		
SW ISLAND	1457.	2986.	5.0		
SW ISLAND	1498.	2916.	5.0		
SW ISLAND	1536.	2854.	5.0		
SW ISLAND	1442.	2851.	5.0		
SW ISLAND	1336.	2833.	5.0		
SW ISLAND	1395.	2901.	5.0		
PurpleLine S11-LBRTAM 2015		94	1	0	
1					
0	ADnbAP	AG	2094.	1673.	1803. 2404. 1325 4.7 0 44 30.
1					
0	ADnbT	AG	1797.	2401.	1636. 2800. 970 4.7 0 56 30.
2					
0	ADnbTQ	AG	1661.	2738.	1786. 2427. 0. 36 3
242		172	2.0	970	37.8 1695 1 3
1					
0	ADnbR	AG	1815.	2410.	1711. 2675. 135 4.7 0 32 30.
2					
0	ADnbRQ	AG	1714.	2669.	1804. 2439. 0. 12 1
242		172	2.0	135	37.8 1583 1 3
1					
0	ADnbR	AG	1711.	2675.	1722. 2740. 135 4.7 0 32 30.
1					
0	ADnbR	AG	1722.	2740.	1789. 2778. 135 4.7 0 32 30.
1					
0	ADnbL	AG	1772.	2400.	1616. 2796. 220 4.7 0 32 30.
2					
0	ADnbLQ	AG	1642.	2729.	1765. 2418. 0. 12 1
242		202	2.0	220	37.8 1770 1 3
1					
0	ADnb2	AG	1639.	2803.	1570. 2969. 1060 4.7 0 56 30.
1					
0	ADnbT2	AG	1571.	2968.	1458. 3168. 680 4.7 0 56 30.
2					
0	ADnbT2Q	AG	1514.	3070.	1570. 2970. 0. 36 3
242		182	2.0	680	37.8 1695 1 3
1					
0	ADnbR2	AG	1592.	2972.	1555. 3064. 380 4.7 0 32 30.
1					
0	ADnbR2	AG	1555.	3064.	1551. 3156. 380 4.7 0 32 30.
1					
0	ADnbR2	AG	1551.	3156.	1615. 3374. 380 4.7 0 32 30.
1					
0	ADnbD	AG	1460.	3169.	1201. 3572. 935 4.7 0 56 30.
1					
0	ADnbD	AG	1201.	3572.	1110. 3763. 935 4.7 0 44 30.
1					
0	ADsbAP	AG	1082.	3641.	1177. 3472. 1275 3.6 0 68 30.
1					
0	ADsbT	AG	1177.	3473.	1422. 3106. 995 3.6 0 56 30.
2					
0	ADsbTQ	AG	1372.	3181.	1203. 3435. 0. 36 3
242		150	2.0	995	37.8 1695 1 3
1					
0	ADsbR	AG	1177.	3439.	1306. 3233. 70 3.6 0 32 30.
2					
0	ADsbRQ	AG	1303.	3238.	1182. 3431. 0. 12 1
242		150	2.0	70	37.8 1583 1 3
1					
0	ADsbR	AG	1306.	3233.	1327. 3131. 70 3.6 0 32 30.
1					
0	ADsbR	AG	1327.	3131.	1296. 3001. 70 3.6 0 32 30.
1					
0	ADsbR	AG	1296.	3001.	1249. 2911. 70 3.6 0 32 30.
1					
0	ADsbL	AG	1228.	3446.	1435. 3128. 210 3.6 0 32 30.
2					

0		ADsblQ	AG	1388.	3200.	1240.	3427.		0.	12	1			
	1	242	202	2.0	210	37.8	1770	1 3						
0	1	ADsb2	AG	1422.	3107.	1495.	2999.		1555	3.6	0	56	30.	
0	1	ADsbT2	AG	1483.	2997.	1593.	2797.		1315	3.6	0	44	30.	
0	2	ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2			
	1	242	134	2.0	1315	37.8	1770	1 3						
0	2	ADsbl2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44	30.	
0	1	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2			
	1	242	163	2.0	240	37.8	1717	1 3						
0	1	ADsbD	AG	1595.	2795.	1972.	1867.		1630	3.6	0	44	30.	
0	1	193ebAP	AG	683.	2476.	956.	2578.		1200	3.7	0	44	30.	
0	1	193ebAP	AG	956.	2578.	1101.	2645.		1200	3.7	0	44	30.	
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		360	3.7	0	56	30.	
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		360	3.7	0	56	30.	
0	2	CMebTR	AG	1462.	2755.	1634.	2777.		360	3.7	0	56	30.	
0	1	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3			
	1	242	184	2.0	360	37.8	1583	1 3						
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		415	3.7	0	44	30.	
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		550	3.7	0	44	30.	
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		465	4.1	0	56	30.	
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3			
	1	242	201	2.0	465	37.8	1672	1 3						
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		465	4.1	0	44	30.	
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		465	4.1	0	44	30.	
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		465	4.1	0	44	30.	
0	1	193ebL	AG	1024.	2612.	1210.	2746.		840	3.5	0	44	30.	
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2			
	1	242	98	2.0	840	37.8	1717	1 3						
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		835	3.5	0	44	30.	
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		730	3.5	0	44	30.	
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2			
	1	242	152	2.0	730	37.8	1770	1 3						
0	1	193ebL	AG	1324.	2884.	1460.	3071.		105	3.5	0	32	30.	
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1			
	1	242	201	2.0	105	37.8	1770	1 3						
0	1	193ebD	AG	1474.	3064.	1547.	3223.		1320	3.5	0	44	30.	
0	1	193ebD	AG	1547.	3223.	1719.	3800.		1320	3.5	0	44	30.	
0	1	193wbA	AG	1621.	3805.	1555.	3554.		1480	3.5	0	68	30.	
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1330	3.5	0	44	30.	
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2			
	1	242	130	2.0	1330	37.8	1770	1 3						
0	1	193wbR	AG	1525.	3556.	1451.	3338.		150	3.5	0	32	30.	
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1			
	1	242	130	2.0	150	37.8	1583	1 3						
0	1	193wbR	AG	1451.	3338.	1379.	3308.		150	3.5	0	32	30.	
0	1	193wbL	AG	1566.	3543.	1447.	3155.		570	3.5	0	44	30.	
0	2	193wbL	AG	1472.	3236.	1558.	3519.		0.	24	2			
	1	242	186	2.0	570	37.8	1717	1 3						
0	1	193wbD	AG	1432.	3178.	1295.	2947.		1400	3.5	0	44	30.	
0	1	193wbD	AG	1295.	2947.	1112.	2748.		1400	3.5	0	44	30.	
0	2	193wbQ	AG	1154.	2794.	1276.	2927.		0.	24	2			
	1	242	98	2.0	1400	37.8	1394	1 3						
0	1	193wbD1	AG	1111.	2747.	1005.	2671.		1400	3.5	0	44	30.	
0	1	193wbD1	AG	1005.	2671.	850.	2582.		1865	3.5	0	44	30.	

[illegible]

JOB: PurpleLine S11-LBRTAM 2015  
 DATE: 10/17/2007 TIME: 10:38:27.73

RUN: PurpleLine S11-LBRTAM 2015

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1325.	4.7	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	970.	4.7	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1774.3	2456.1	*	304.	158. AG	216.	100.0	.0	36.0	.70 15.4
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	135.	4.7	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1760.3	2550.8	*	127.	159. AG	72.	100.0	.0	12.0	.31 6.5
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	135.	4.7	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	135.	4.7	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	4.7	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1737.5	2487.6	*	260.	158. AG	85.	100.0	.0	12.0	.84 13.2
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1060.	4.7	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	680.	4.7	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1623.9	2873.8	*	225.	151. AG	229.	100.0	.0	36.0	.58 11.4
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	380.	4.7	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	380.	4.7	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	380.	4.7	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	935.	4.7	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	935.	4.7	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1275.	3.6	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	995.	3.6	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1221.6	3407.0	*	271.	326. AG	189.	100.0	.0	36.0	.54 13.8
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	70.	3.6	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1272.5	3286.6	*	57.	328. AG	63.	100.0	.0	12.0	.12 2.9
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	70.	3.6	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	70.	3.6	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	70.	3.6	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	210.	3.6	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1255.7	3402.9	*	242.	327. AG	85.	100.0	.0	12.0	.80 12.3
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1555.	3.6	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1315.	3.6	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1327.5	3277.7	*	489.	331. AG	112.	100.0	.0	24.0	.86 24.8
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1534.4	2947.7	*	107.	331. AG	137.	100.0	.0	24.0	.23 5.4
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1630.	3.6	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1200.	3.7	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1200.	3.7	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	360.	3.7	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	360.	3.7	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	360.	3.7	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1463.2	2755.0	*	121.	263. AG	231.	100.0	.0	36.0	.34 6.1
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	415.	3.7	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	550.	3.7	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	465.	4.1	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1868.1	2801.3	*	170.	93. AG	253.	100.0	.0	36.0	.61 8.7
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	465.	4.1	.0	44.0	

JOB: PurpleLine S11-LBRTAM 2015  
 DATE: 10/17/2007 TIME: 10:38:27.73

RUN: PurpleLine S11-LBRTAM 2015

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	465.	4.1	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	465.	4.1	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	840.	3.5	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	990.2	2587.7	*	225.	234. AG	82.	100.0	.0	24.0	.42 11.4
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	835.	3.5	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	730.	3.5	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1260.7	2764.4	*	303.	215. AG	127.	100.0	.0	24.0	.58 15.4
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	105.	3.5	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1355.1	2927.7	*	115.	216. AG	84.	100.0	.0	12.0	.39 5.9
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1320.	3.5	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1320.	3.5	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	1480.	3.5	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1330.	3.5	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1592.8	3708.2	*	473.	17. AG	109.	100.0	.0	24.0	.84 24.0
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	150.	3.5	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1487.9	3447.1	*	107.	19. AG	54.	100.0	.0	12.0	.21 5.4
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	150.	3.5	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	570.	3.5	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1557.1	3516.1	*	293.	17. AG	156.	100.0	.0	24.0	.77 14.9
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1400.	3.5	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1400.	3.5	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1409.6	3072.6	*	378.	43. AG	82.	100.0	.0	24.0	.87 19.2
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1400.	3.5	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1865.	3.5	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1865.	3.5	.0	44.0	

70.0	BRTeb	*	688.0	2458.0	929.0	2543.0	*	256.	71. AG	34.	2.7	.0	32.0		
71.0	BRTeb	*	929.0	2543.0	1071.0	2612.0	*	158.	64. AG	34.	2.7	.0	32.0		
72.0	BRTeb	*	1071.0	2612.0	1151.0	2645.0	*	87.	68. AG	34.	2.7	.0	32.0		
73.0	BRTeb	*	1151.0	2645.0	1260.0	2668.0	*	111.	78. AG	34.	2.7	.0	32.0		
74.0	BRTeb	*	1260.0	2668.0	1367.0	2703.0	*	113.	72. AG	34.	2.7	.0	32.0		
75.0	BRTeb	*	1367.0	2703.0	1484.0	2729.0	*	120.	77. AG	34.	2.7	.0	32.0		
76.0	BRTeb	*	1484.0	2729.0	1599.0	2747.0	*	116.	81. AG	34.	2.7	.0	32.0		
77.0	BRTebQ	*	1592.0	2745.0	1558.4	2740.0	*	34.	261. AG	20.	100.0	.0	12.0	.08	1.7
78.0	BRTeb	*	1599.0	2746.0	1795.0	2760.0	*	196.	86. AG	34.	2.7	.0	32.0		
79.0	BRTeb	*	1795.0	2760.0	2624.0	2723.0	*	830.	93. AG	34.	2.7	.0	32.0		
80.0	BRTwb	*	2626.0	2770.0	2565.0	2776.0	*	61.	276. AG	34.	3.4	.0	32.0		
81.0	BRTwb	*	2565.0	2776.0	2494.0	2791.0	*	73.	282. AG	34.	3.4	.0	32.0		
82.0	BRTwb	*	2494.0	2791.0	1891.0	2818.0	*	604.	273. AG	34.	3.4	.0	32.0		
83.0	BRTwb	*	1891.0	2818.0	1828.0	2825.0	*	63.	276. AG	34.	3.4	.0	32.0		
84.0	BRTwb	*	1828.0	2825.0	1607.0	2837.0	*	221.	273. AG	34.	3.4	.0	32.0		
85.0	BRTwbQ	*	1687.0	2833.0	1724.1	2831.1	*	37.	93. AG	22.	100.0	.0	12.0	.12	1.9
86.0	BRTwb	*	1608.0	2838.0	1534.0	2839.0	*	74.	271. AG	34.	3.4	.0	32.0		
87.0	BRTwb	*	1534.0	2839.0	1442.0	2834.0	*	92.	267. AG	34.	3.4	.0	32.0		
88.0	BRTwb	*	1442.0	2834.0	1298.0	2811.0	*	146.	261. AG	34.	3.4	.0	32.0		
89.0	BRTwb	*	1298.0	2811.0	1217.0	2786.0	*	85.	253. AG	34.	3.4	.0	32.0		
90.0	BRTwb	*	1217.0	2786.0	1014.0	2694.0	*	223.	246. AG	34.	3.4	.0	32.0		
91.0	BRTwb	*	1014.0	2694.0	912.0	2641.0	*	115.	243. AG	34.	3.4	.0	32.0		
92.0	BRTwb	*	912.0	2641.0	857.0	2611.0	*	63.	241. AG	34.	3.4	.0	32.0		
93.0	BRTwb	*	857.0	2611.0	796.0	2583.0	*	67.	245. AG	34.	3.4	.0	32.0		
94.0	BRTwb	*	796.0	2583.0	666.0	2535.0	*	139.	250. AG	34.	3.4	.0	32.0		

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3.0	ADnbTQ	*	242	172	2.0	970	1695	37.80	1 3
5.0	ADnbRQ	*	242	172	2.0	135	1583	37.80	1 3
9.0	ADnbLQ	*	242	202	2.0	220	1770	37.80	1 3
12.0	ADnbT2Q	*	242	182	2.0	680	1695	37.80	1 3
20.0	ADsbTQ	*	242	150	2.0	995	1695	37.80	1 3
22.0	ADsbRQ	*	242	150	2.0	70	1583	37.80	1 3
27.0	ADsbLQ	*	242	202	2.0	210	1770	37.80	1 3
30.0	ADsbT2Q	*	242	134	2.0	1315	1770	37.80	1 3
32.0	ADsbL2Q	*	242	163	2.0	240	1717	37.80	1 3
39.0	CMebTRq	*	242	184	2.0	360	1583	37.80	1 3
43.0	CMwbQ	*	242	201	2.0	465	1672	37.80	1 3
48.0	193ebLQ	*	242	98	2.0	840	1717	37.80	1 3
51.0	193ebT	*	242	152	2.0	730	1770	37.80	1 3
53.0	193ebL	*	242	201	2.0	105	1770	37.80	1 3
58.0	193wbT	*	242	130	2.0	1330	1770	37.80	1 3
60.0	193wbR	*	242	130	2.0	150	1583	37.80	1 3
63.0	193wbL	*	242	186	2.0	570	1717	37.80	1 3
66.0	193wbQ	*	242	98	2.0	1400	1394	37.80	1 3
77.0	BRTebQ	*	242	183	2.0	34	1863	10.10	1 3
85.0	BRTwbQ	*	242	200	2.0	34	1863	10.10	1 3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2741.0	5.0	*
6. SE 164 E	*	1922.0	2738.0	5.0	*
7. SE MID E	*	2005.0	2734.0	5.0	*
8. NE MID E	*	1900.0	2833.0	5.0	*
9. NE 164 E	*	1818.0	2842.0	5.0	*
10. NE 82 E	*	1736.0	2847.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1627.0	2929.0	5.0	*
13. NE 164 N	*	1595.0	3005.0	5.0	*
14. NE MID N	*	1574.0	3085.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1352.0	2681.0	5.0	*
23. SW 164 W	*	1432.0	2700.0	5.0	*
24. SW 82 W	*	1514.0	2717.0	5.0	*
25. SW CNR	*	1597.0	2730.0	5.0	*

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#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
26. SW 82 S	*	1627.0	2660.0	5.0	*
27. SW 164 S	*	1659.0	2584.0	5.0	*
28. SW MID S	*	1690.0	2508.0	5.0	*
29. SW ISLAND	*	1457.0	2986.0	5.0	*
30. SW ISLAND	*	1498.0	2916.0	5.0	*
31. SW ISLAND	*	1536.0	2854.0	5.0	*
32. SW ISLAND	*	1442.0	2851.0	5.0	*
33. SW ISLAND	*	1336.0	2833.0	5.0	*
34. SW ISLAND	*	1395.0	2901.0	5.0	*

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JOB: PurpleLine S11-LBRTAM 2015

RUN: PurpleLine S11-LBRTAM 2015

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.2	.4	.5	.1	.1	.0	.0	.0	.0	.3	.3	.3	.7	.8	.5	.1	.1
5.	*	.1	.1	.2	.4	.5	.1	.1	.0	.0	.0	.0	.3	.4	.8	.8	.6	.2	.1	.1
10.	*	.1	.1	.2	.4	.5	.1	.1	.0	.0	.0	.0	.1	.5	.8	.8	.6	.2	.1	.1
15.	*	.1	.1	.2	.4	.4	.1	.1	.0	.0	.0	.0	.1	.5	.8	.8	.6	.2	.1	.1
20.	*	.0	.1	.2	.4	.4	.1	.1	.0	.0	.0	.0	.0	.5	.7	.9	.6	.3	.1	.1
25.	*	.0	.1	.2	.4	.3	.1	.1	.0	.0	.0	.0	.0	.6	.7	.9	.7	.4	.3	.3
30.	*	.0	.0	.1	.4	.3	.1	.1	.0	.0	.0	.0	.0	.6	.7	.9	.8	.4	.5	.5
35.	*	.0	.0	.1	.4	.2	.1	.1	.0	.0	.0	.0	.0	.6	.7	1.0	.7	.5	.4	.4
40.	*	.0	.0	.1	.4	.2	.1	.1	.0	.0	.0	.0	.0	.6	.8	1.0	.6	.3	.4	.4
45.	*	.0	.0	.1	.3	.2	.1	.1	.0	.0	.0	.0	.0	.7	.8	1.1	.6	.3	.3	.3
50.	*	.0	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.8	.9	1.2	.6	.2	.3	.3
55.	*	.0	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.9	.9	1.2	.4	.3	.4	.4
60.	*	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.9	.9	1.2	.4	.3	.5	.5
65.	*	.0	.0	.0	.2	.1	.2	.2	.0	.0	.0	.0	.0	.9	.9	1.2	.3	.3	.7	.7
70.	*	.0	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	1.0	1.0	1.2	.2	.4	.7	.7
75.	*	.0	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	1.0	1.0	1.2	.2	.4	.8	.8
80.	*	.0	.0	.0	.1	.1	.1	.1	.0	.0	.1	.0	.0	1.0	1.0	1.0	.2	.4	.8	.8
85.	*	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.0	1.0	1.1	1.0	.2	.5	.6	.6
90.	*	.0	.0	.0	.0	.1	.1	.1	.1	.0	.1	.2	.0	1.0	1.2	.9	.3	.5	.6	.6
95.	*	.0	.0	.0	.0	.1	.1	.0	.1	.1	.3	.4	.0	1.0	1.1	.8	.3	.6	.6	.6
100.	*	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.5	.0	1.0	1.1	.6	.4	.6	.6	.6
105.	*	.0	.0	.0	.0	.0	.0	.0	.1	.2	.5	.6	.1	1.0	.9	1.0	.6	.4	.7	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.1	.3	.6	.6	.1	1.0	.9	1.2	.6	.6	.7	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.1	.3	.7	.6	.2	1.0	1.0	1.1	.6	.6	.7	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.1	.4	.7	.6	.2	1.0	.9	1.1	.6	.6	.5	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8	.6	.2	1.0	.9	1.0	.6	.6	.6	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8	.5	.2	1.1	.9	.8	.6	.5	.5	.6
135.	*	.0	.0	.0	.0	.0	.0	.0	.1	.6	.8	.4	.2	1.1	.1	.8	.6	.6	.5	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.1	.6	.8	.4	.2	1.1	.1	.6	.7	.5	.6	.4
145.	*	.1	.0	.0	.0	.0	.0	.0	.1	.7	.7	.4	.3	.3	.1	.6	.5	.4	.5	.4
150.	*	.1	.1	.2	.0	.0	.0	.0	.1	.7	.7	.4	.3	.3	.3	.4	.2	.4	.5	.3
155.	*	.1	.3	.5	.1	.0	.0	.0	.1	.7	.7	.6	.7	.6	.3	.2	.3	.4	.3	.4
160.	*	.3	.4	.6	.2	.0	.0	.0	.1	.7	.8	.7	.8	.7	.5	.1	.1	.3	.3	.4
165.	*	.4	.5	.7	.3	.0	.0	.0	.1	.7	.8	.8	.7	.8	.6	.0	.1	.3	.3	.4
170.	*	.4	.5	.8	.6	.0	.0	.0	.1	.7	.9	.7	.9	.8	.7	.0	.1	.2	.3	.4
175.	*	.4	.6	1.1	.6	.1	.0	.0	.1	.7	1.1	.7	.9	.9	.9	.0	.0	.2	.3	.4
180.	*	.3	.7	1.1	.6	.0	.0	.0	.1	.8	1.1	.8	.8	1.2	.9	.0	.0	.2	.3	.4
185.	*	.3	.6	1.2	.8	.2	.0	.0	.1	.9	1.3	.7	1.0	1.1	1.1	.0	.0	.1	.3	.4
190.	*	.3	.7	1.2	.8	.2	.0	.0	.1	.9	1.3	.6	.9	1.2	1.1	.0	.0	.1	.2	.4
195.	*	.3	.7	1.2	.8	.2	.0	.0	.2	1.0	1.3	.5	.9	1.3	1.0	.0	.0	.0	.2	.3
200.	*	.2	.7	1.1	.8	.3	.0	.0	.3	1.0	1.2	.4	1.0	1.3	1.0	.0	.0	.0	.2	.3
205.	*	.2	.8	1.1	.8	.3	.1	.0	.3	1.0	1.1	.4	1.2	1.3	.7	.0	.0	.0	.1	.2

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RUN: PurpleLine S11-LBRTAM 2015

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.2	.8	1.1	.7	.3	.1	.0	.4	.9	1.0	.3	1.1	1.2	.6	.0	.0	.0	.1	.2
215.	*	.2	.9	1.0	.7	.3	.1	.0	.4	.9	.9	.3	1.2	1.2	.7	.0	.0	.0	.0	.2
220.	*	.3	.8	1.0	.7	.3	.1	.1	.5	.9	.8	.4	1.1	1.2	.7	.0	.0	.0	.0	.2
225.	*	.3	.8	1.0	.7	.3	.1	.1	.5	.9	.8	.4	1.2	1.1	.7	.0	.0	.0	.0	.1
230.	*	.3	.8	1.0	.6	.2	.1	.1	.6	.9	.7	.3	1.2	1.2	.8	.0	.0	.0	.0	.0
235.	*	.4	.8	1.0	.7	.2	.1	.1	.7	.9	.6	.3	1.2	1.2	.9	.0	.0	.0	.0	.0
240.	*	.4	.8	1.0	.7	.2	.2	.1	.7	1.0	.4	.4	1.2	1.1	.8	.0	.0	.0	.0	.0
245.	*	.5	.8	1.0	.6	.2	.1	.1	.8	.9	.4	.4	1.3	1.1	.9	.0	.0	.0	.0	.0
250.	*	.5	.8	1.0	.6	.2	.1	.1	.9	.8	.3	.4	1.2	1.2	.9	.0	.0	.0	.0	.0
255.	*	.6	.8	1.0	.6	.2	.1	.1	.8	.7	.4	.3	1.2	1.1	.7	.0	.0	.0	.0	.0
260.	*	.6	.9	1.0	.7	.2	.1	.1	.8	.6	.2	.4	1.3	1.1	.7	.0	.0	.0	.0	.0
265.	*	.7	.9	1.0	.7	.2	.2	.2	.7	.5	.2	.5	1.3	1.1	.7	.0	.0	.0	.0	.0
270.	*	.7	.9	1.0	.5	.2	.3	.2	.5	.4	.4	.6	1.2	1.1	.6	.0	.0	.0	.0	.0
275.	*	.7	.9	1.0	.5	.3	.3	.1	.4	.2	.5	.6	1.2	1.2	.5	.0	.0	.0	.0	.0
280.	*	.8	1.0	1.0	.5	.2	.3	.3	.3	.3	.5	.6	1.2	1.0	.4	.0	.0	.0	.0	.0

285.	*	.9	1.0	1.1	.4	.3	.4	.3	.3	.3	.6	.9	1.2	1.0	.5	.0	.0	.0	.0	.0
290.	*	.9	1.1	1.2	.4	.3	.5	.4	.3	.3	.5	1.0	1.4	1.0	.5	.0	.0	.0	.0	.0
295.	*	1.0	1.1	1.2	.3	.5	.7	.4	.2	.3	.6	1.1	1.1	.9	.5	.0	.0	.0	.0	.0
300.	*	1.1	1.3	1.2	.3	.6	.7	.4	.2	.3	.6	1.1	1.1	1.0	.5	.0	.0	.0	.0	.0
305.	*	1.1	1.3	1.3	.3	.6	.7	.3	.1	.2	.4	1.1	1.2	.9	.5	.0	.0	.0	.0	.0
310.	*	1.2	1.3	1.2	.4	.6	.5	.3	.1	.2	.5	1.1	1.2	.8	.5	.0	.0	.0	.0	.0
315.	*	1.2	1.3	1.4	.6	.7	.5	.2	.0	.1	.4	1.1	1.1	.7	.4	.0	.0	.0	.0	.0
320.	*	1.2	1.5	1.0	.6	.7	.3	.1	.0	.0	.4	1.1	1.0	.6	.5	.0	.0	.1	.0	.0
325.	*	1.2	1.3	.8	.5	.7	.3	.1	.0	.0	.1	1.0	.9	.6	.5	.0	.1	.1	.0	.0
330.	*	1.2	1.0	.7	.5	.6	.2	.1	.0	.0	.1	.9	.7	.5	.4	.2	.2	.4	.1	.0
335.	*	.8	.9	.7	.3	.6	.2	.1	.0	.0	.0	.6	.4	.4	.4	.2	.3	.4	.1	.0
340.	*	.7	.6	.5	.4	.6	.2	.1	.0	.0	.0	.6	.4	.3	.4	.2	.3	.5	.1	.0
345.	*	.5	.6	.3	.4	.6	.1	.1	.0	.0	.0	.3	.3	.2	.4	.3	.4	.7	.2	.1
350.	*	.3	.3	.2	.3	.6	.1	.1	.0	.0	.0	.2	.3	.2	.3	.2	.5	.7	.3	.1
355.	*	.2	.1	.2	.4	.5	.1	.1	.0	.0	.0	.1	.1	.2	.3	.3	.5	.8	.4	.1
360.	*	.1	.1	.2	.4	.5	.1	.1	.0	.0	.0	.0	.0	.3	.3	.3	.7	.8	.5	.1
MAX	*	1.2	1.5	1.4	.8	.7	.7	.4	.9	1.0	1.3	1.1	1.4	1.3	1.1	1.0	1.2	1.2	.8	.7
DEGR.	*	310	320	315	185	315	295	290	250	195	185	295	290	195	185	70	90	50	30	105
																				75

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JOB: PurpleLine S11-LBRTAM 2015

RUN: PurpleLine S11-LBRTAM 2015

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34
0.	*	.0	.2	.2	.9	.9	.5	.9	1.1	.9	1.0	1.3	.3	1.0	.9
5.	*	.1	.2	.2	1.0	.7	.7	1.0	1.1	1.0	1.1	1.1	.4	1.0	1.0
10.	*	.1	.2	.3	1.0	.5	.7	1.0	1.1	.9	1.1	1.1	.4	1.1	.8
15.	*	.1	.2	.3	1.0	.4	.6	1.1	1.2	.9	.9	1.3	.3	1.1	.8
20.	*	.1	.3	.3	1.0	.4	.7	1.0	1.1	.9	.9	1.3	.2	.9	.8
25.	*	.1	.2	.5	1.0	.4	.7	1.0	1.1	.8	.8	1.2	.3	.7	.6
30.	*	.1	.2	.5	.9	.3	.9	.9	1.0	.7	.8	1.2	.4	.6	.5
35.	*	.2	.2	.6	.6	.4	.9	.9	1.0	.7	.8	1.2	.4	.6	.4
40.	*	.3	.3	.5	.6	.4	.9	1.0	.9	.7	.8	1.2	.5	.5	.3
45.	*	.4	.2	.5	.5	.4	1.0	1.0	.9	.7	.8	1.2	.5	.3	.2
50.	*	.5	.2	.5	.5	.5	1.0	1.0	.9	.8	.8	1.2	.5	.3	.3
55.	*	.6	.3	.4	.5	.5	1.0	.9	.8	.8	1.0	1.2	.5	.2	.3
60.	*	.6	.2	.5	.4	.5	.9	.9	.8	.9	1.1	1.2	.5	.2	.3
65.	*	.6	.3	.4	.4	.7	.9	.9	.8	.9	1.1	1.1	.5	.3	.4
70.	*	.7	.3	.4	.4	.7	.9	.9	.8	.9	1.1	1.0	.5	.3	.5
75.	*	.7	.2	.4	.5	.6	.8	.9	.8	.8	1.0	1.0	.5	.3	.5
80.	*	.7	.3	.3	.4	.7	.8	.9	.8	.8	1.0	.9	.6	.3	.5
85.	*	.6	.3	.3	.4	.6	.8	.9	.8	.7	1.0	.9	.5	.2	.5
90.	*	.6	.1	.2	.5	.8	.8	.9	.8	.7	1.2	.9	.5	.2	.5
95.	*	.5	.1	.2	.5	.7	.9	.9	.8	.7	1.3	1.0	.3	.2	.5
100.	*	.5	.1	.2	.5	.7	.9	.9	.8	.7	1.2	.9	.2	.2	.5
105.	*	.5	.1	.3	.5	.7	.9	.8	.8	.9	1.2	.8	.2	.4	.5
110.	*	.6	.1	.3	.5	.8	.9	.8	.7	1.1	1.1	.7	.4	.3	.2
115.	*	.6	.1	.2	.5	.8	1.0	.8	.7	1.1	1.0	.5	.4	.4	.3
120.	*	.5	.1	.2	.5	.8	1.1	.9	.8	1.0	1.0	.6	.5	.3	.2
125.	*	.5	.0	.2	.5	1.0	1.1	.9	.6	1.0	1.1	.7	.5	.4	.3
130.	*	.4	.0	.2	.4	1.0	1.0	.9	.7	1.0	.9	.6	.7	.4	.3
135.	*	.4	.0	.1	.2	1.0	.9	.8	.6	1.0	.7	.7	.6	.4	.4
140.	*	.4	.0	.1	.2	.9	.8	.8	.6	.9	1.0	.7	.6	.1	.4
145.	*	.4	.0	.0	.2	.8	.9	.9	.4	.8	.8	.8	.6	.1	.4
150.	*	.3	.0	.0	.1	.8	.8	.8	.4	.7	.6	.9	.6	.1	.3
155.	*	.3	.0	.0	.1	.7	.6	.5	.4	.5	.5	.9	.3	.1	.1
160.	*	.3	.0	.0	.0	.5	.4	.4	.4	.5	.5	.5	.3	.1	.1
165.	*	.3	.0	.0	.0	.3	.3	.2	.2	.1	.4	.6	.2	.1	.1
170.	*	.3	.0	.0	.0	.2	.2	.2	.2	.1	.2	.4	.1	.1	.0
175.	*	.4	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	.1	.1	.0
180.	*	.4	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	.1	.1	.0
185.	*	.4	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.0	.1	.0
190.	*	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.1	.0
195.	*	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.1	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.1	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.3	.0	.2	.1

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JOB: PurpleLine S11-LBRTAM 2015

RUN: PurpleLine S11-LBRTAM 2015

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34
210.	*	.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.3	.0	.2	.1
215.	*	.2	.0	.0	.0	.0	.0	.0	.0	.2	.0	.3	.0	.3	.2
220.	*	.1	.0	.0	.0	.0	.0	.0	.0	.4	.0	.3	.0	.3	.2
225.	*	.1	.0	.0	.0	.0	.0	.0	.0	.4	.0	.2	.0	.5	.3
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.2	.0	.6	.4



235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.2	.0	.6	.5
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.2	.6	.6
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.8	.1	.0	.1	.5	.7
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.1	.1	.5	.7
255.	*	.0	.0	.0	.0	.1	.0	.0	.0	.6	.1	.1	.1	.6	.7
260.	*	.0	.1	.0	.0	.1	.0	.0	.0	.6	.2	.1	.1	.7	.6
265.	*	.0	.1	.0	.0	.2	.0	.0	.0	.6	.2	.1	.1	.7	.6
270.	*	.0	.1	.0	.0	.2	.0	.0	.0	.7	.2	.1	.2	.7	.6
275.	*	.0	.1	.0	.0	.3	.0	.0	.0	.7	.2	.1	.2	.7	.6
280.	*	.0	.0	.0	.1	.4	.0	.0	.0	.7	.2	.2	.2	.7	.6
285.	*	.0	.0	.0	.2	.6	.1	.0	.0	.7	.3	.2	.2	.7	.5
290.	*	.0	.0	.0	.2	.6	.1	.0	.0	.7	.3	.2	.2	.7	.5
295.	*	.0	.0	.1	.3	.6	.1	.0	.0	.7	.3	.2	.2	.7	.5
300.	*	.0	.0	.1	.3	.7	.3	.0	.0	.7	.3	.2	.2	.7	.5
305.	*	.0	.0	.1	.4	.7	.3	.1	.0	.6	.3	.2	.2	.7	.6
310.	*	.0	.1	.1	.5	.7	.3	.2	.1	.6	.3	.2	.2	.7	.7
315.	*	.0	.1	.1	.5	.6	.4	.2	.2	.8	.3	.3	.2	.7	.7
320.	*	.0	.2	.1	.5	.7	.5	.2	.2	.7	.3	.5	.2	.7	.7
325.	*	.0	.2	.1	.6	.7	.4	.3	.2	.8	.5	.5	.3	.7	.7
330.	*	.0	.2	.1	.6	1.0	.5	.5	.4	.9	.6	.5	.4	.6	.8
335.	*	.0	.2	.1	.8	1.0	.6	.5	.7	1.0	.6	.7	.4	.6	.8
340.	*	.0	.2	.1	.8	.9	.7	.7	.8	1.0	.7	.9	.5	.6	.8
345.	*	.0	.2	.2	.7	.9	.8	.8	.9	.8	.7	.9	.4	.7	.9
350.	*	.0	.3	.3	.7	1.0	.8	.8	.9	.9	.8	1.1	.3	.8	.9
355.	*	.0	.3	.2	.7	.9	.6	.8	.9	.9	1.0	1.1	.3	.8	.9
360.	*	.0	.2	.2	.9	.9	.5	.9	1.1	.9	1.0	1.3	.3	1.0	.9
-----*															
MAX	*	.7	.3	.6	1.0	1.0	1.1	1.1	1.2	1.1	1.3	1.3	.7	1.1	1.0
DEGR.	*	70	20	35	5	125	120	15	15	110	95	0	130	10	5

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 320 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 315 DEGREES FROM REC3 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 290 DEGREES FROM REC12.

PurpleLine S11-LBRTPM 2015	60.0321.0.0000.000340.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2741.	5.0
SE 164 E	1922.	2738.	5.0
SE MID E	2005.	2734.	5.0
NE MID E	1900.	2833.	5.0
NE 164 E	1818.	2842.	5.0
NE 82 E	1736.	2847.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1627.	2929.	5.0
NE 164 N	1595.	3005.	5.0
NE MID N	1574.	3085.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1352.	2681.	5.0
SW 164 W	1432.	2700.	5.0
SW 82 W	1514.	2717.	5.0
SW CNR	1597.	2730.	5.0
SW 82 S	1627.	2660.	5.0
SW 164 S	1659.	2584.	5.0
SW MID S	1690.	2508.	5.0
SW ISLAND	1457.	2986.	5.0
SW ISLAND	1498.	2916.	5.0
SW ISLAND	1536.	2854.	5.0
SW ISLAND	1442.	2851.	5.0
SW ISLAND	1336.	2833.	5.0
SW ISLAND	1395.	2901.	5.0
PurpleLine S11-LBRTPM 2015	94	1	0
1			
0	ADnbAP	AG	2094. 1673. 1803. 2404. 1995 5.0 0 44 30.
1			
0	ADnbT	AG	1797. 2401. 1636. 2800. 1555 5.0 0 56 30.
2			
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
248	158	2.0	1555 37.8 1695 1 3
1			
0	ADnbR	AG	1815. 2410. 1711. 2675. 220 5.0 0 32 30.
2			
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
248	158	2.0	220 37.8 1583 1 3
1			
0	ADnbR	AG	1711. 2675. 1722. 2740. 220 5.0 0 32 30.
1			
0	ADnbR	AG	1722. 2740. 1789. 2778. 220 5.0 0 32 30.
1			
0	ADnbL	AG	1772. 2400. 1616. 2796. 220 5.0 0 32 30.
2			
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
248	214	2.0	220 37.8 1770 1 3
1			
0	ADnb2	AG	1639. 2803. 1570. 2969. 1945 5.0 0 56 30.
1			
0	ADnbT2	AG	1571. 2968. 1458. 3168. 1290 5.0 0 56 30.
2			
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
248	172	2.0	1290 37.8 1695 1 3
1			
0	ADnbR2	AG	1592. 2972. 1555. 3064. 655 5.0 0 32 30.
1			
0	ADnbR2	AG	1555. 3064. 1551. 3156. 655 5.0 0 32 30.
1			
0	ADnbR2	AG	1551. 3156. 1615. 3374. 655 5.0 0 32 30.
1			
0	ADnbD	AG	1460. 3169. 1201. 3572. 1720 5.0 0 56 30.
1			
0	ADnbD	AG	1201. 3572. 1110. 3763. 1720 5.0 0 44 30.
1			
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1260 3.6 0 68 30.
1			
0	ADsbT	AG	1177. 3473. 1422. 3106. 970 3.6 0 56 30.
2			
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
248	146	2.0	970 37.8 1695 1 3
1			
0	ADsbR	AG	1177. 3439. 1306. 3233. 170 3.6 0 32 30.
2			
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
248	146	2.0	170 37.8 1583 1 3
1			
0	ADsbR	AG	1306. 3233. 1327. 3131. 170 3.6 0 32 30.
1			
0	ADsbR	AG	1327. 3131. 1296. 3001. 170 3.6 0 32 30.
1			
0	ADsbR	AG	1296. 3001. 1249. 2911. 170 3.6 0 32 30.
1			
0	ADsbL	AG	1228. 3446. 1435. 3128. 120 3.6 0 32 30.
2			

0		ADsbLQ	AG	1388.	3200.	1240.	3427.		0.	12	1	
1	248	214		2.0	120	37.8	1770	1 3				
0		ADsb2	AG	1422.	3107.	1495.	2999.		1414	3.6	0	56
1												30.
0		ADsbtT2	AG	1483.	2997.	1593.	2797.		1140	3.6	0	44
0												30.
0		ADsbtT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2	
1	248	145		2.0	1140	37.8	1770	1 3				
0		ADsbL2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44
0												30.
0		ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2	
1	248	200		2.0	240	37.8	1717	1 3				
0		ADsbd	AG	1595.	2795.	1972.	1867.		1660	3.6	0	44
0												30.
0		193ebAP	AG	683.	2476.	956.	2578.		2070	4.1	0	44
0												30.
0		193ebAP	AG	956.	2578.	1101.	2645.		2070	4.1	0	44
0												30.
0		CMebTR	AG	1101.	2645.	1270.	2700.		535	4.1	0	56
0												30.
0		CMebTR	AG	1270.	2700.	1462.	2755.		535	4.1	0	56
0												30.
0		CMebTR	AG	1462.	2755.	1634.	2777.		535	4.1	0	56
0												30.
0		CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3	
1	248	195		2.0	535	37.8	1723	1 3				
0		CMebD1	AG	1633.	2776.	1786.	2777.		455	4.1	0	44
0												30.
0		CMebD2	AG	1791.	2777.	2624.	2738.		675	4.1	0	44
0												30.
0		CMwbAP	AG	2626.	2758.	1593.	2817.		1085	4.1	0	56
0												30.
0		CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3	
1	248	185		2.0	1085	37.8	1691	1 3				
0		CMwbD	AG	1594.	2816.	1417.	2813.		715	4.1	0	44
0												30.
0		CMwbD	AG	1417.	2813.	1247.	2780.		715	4.1	0	44
0												30.
0		CMwbD	AG	1247.	2780.	1003.	2670.		715	4.1	0	44
0												30.
0		193ebL	AG	1024.	2612.	1210.	2746.		1535	3.5	0	44
0												30.
0		193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2	
1	248	108		2.0	1535	37.8	1717	1 3				
0		193ebAP	AG	1209.	2746.	1334.	2872.		1535	3.5	0	44
0												30.
0		193ebTR	AG	1337.	2871.	1473.	3064.		1425	3.5	0	44
0												30.
0		193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2	
1	248	141		2.0	1425	37						

0	1	193wbD1	AG	850.	2582.	673.	2513.	1950	3.5	0	44	30.
0	1	BRTEb	AG	688.	2458.	929.	2543.	34	3.4	0	32	30.
0	1	BRTEb	AG	929.	2543.	1071.	2612.	34	3.4	0	32	30.
0	1	BRTEb	AG	1071.	2612.	1151.	2645.	34	3.4	0	32	30.
0	1	BRTEb	AG	1151.	2645.	1260.	2668.	34	3.4	0	32	30.
0	1	BRTEb	AG	1260.	2668.	1367.	2703.	34	3.4	0	32	30.
0	1	BRTEb	AG	1367.	2703.	1484.	2729.	34	3.4	0	32	30.
0	1	BRTEb	AG	1484.	2729.	1599.	2747.	34	3.4	0	32	30.
0	2	BRTEbQ	AG	1592.	2745.	1485.	2729.	0.	12	1		
0	1	248	194	2.0	34	10.1	1770	1	3			
0	1	BRTEb	AG	1599.	2746.	1795.	2760.	34	3.4	0	32	30.
0	1	BRTEb	AG	1795.	2760.	2624.	2723.	34	3.4	0	32	30.
0	1	BRTwb	AG	2626.	2770.	2565.	2776.	34	3.4	0	32	30.
0	1	BRTwb	AG	2565.	2776.	2494.	2791.	34	3.4	0	32	30.
0	1	BRTwb	AG	2494.	2791.	1891.	2818.	34	3.4	0	32	30.
0	1	BRTwb	AG	1891.	2818.	1828.	2825.	34	3.4	0	32	30.
0	1	BRTwb	AG	1828.	2825.	1607.	2837.	34	3.4	0	32	30.
0	2	BRTwbQ	AG	1687.	2833.	1825.	2826.	0.	12	1		
0	1	248	184	2.0	34	10.1	1611	1	3			
0	1	BRTwb	AG	1608.	2838.	1534.	2839.	34	3.4	0	32	30.
0	1	BRTwb	AG	1534.	2839.	1442.	2834.	34	3.4	0	32	30.
0	1	BRTwb	AG	1442.	2834.	1298.	2811.	34	3.4	0	32	30.
0	1	BRTwb	AG	1298.	2811.	1217.	2786.	34	3.4	0	32	30.
0	1	BRTwb	AG	1217.	2786.	1014.	2694.	34	3.4	0	32	30.
0	1	BRTwb	AG	1014.	2694.	912.	2641.	34	3.4	0	32	30.
0	1	BRTwb	AG	912.	2641.	857.	2611.	34	3.4	0	32	30.
0	1	BRTwb	AG	857.	2611.	796.	2583.	34	3.4	0	32	30.
0	1	BRTwb	AG	796.	2583.	666.	2535.	34	3.4	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: PurpleLine S11-LBRTPM 2015  
 DATE: 10/17/2007 TIME: 12:19:41.72

RUN: PurpleLine S11-LBRTPM 2015

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1995.	5.0	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1555.	5.0	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1836.0	2302.7	*	469.	158. AG	194.	100.0	.0	36.0	.88 23.8
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	220.	5.0	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1783.3	2492.0	*	190.	159. AG	65.	100.0	.0	12.0	.40 9.7
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	220.	5.0	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	220.	5.0	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	5.0	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1785.0	2367.3	*	389.	158. AG	87.	100.0	.0	12.0	1.03 19.8
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1945.	5.0	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1290.	5.0	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1721.9	2698.7	*	426.	151. AG	211.	100.0	.0	36.0	.87 21.6
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	655.	5.0	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	655.	5.0	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	655.	5.0	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1720.	5.0	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1720.	5.0	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1260.	3.6	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	970.	3.6	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1229.2	3395.7	*	258.	326. AG	179.	100.0	.0	36.0	.48 13.1
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	170.	3.6	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1230.9	3353.0	*	136.	328. AG	60.	100.0	.0	12.0	.27 6.9
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	170.	3.6	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	170.	3.6	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	170.	3.6	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	120.	3.6	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1311.3	3317.6	*	140.	327. AG	87.	100.0	.0	12.0	.56 7.1
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1414.	3.6	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1140.	3.6	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1345.3	3245.5	*	452.	331. AG	119.	100.0	.0	24.0	.81 23.0
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1522.6	2968.9	*	131.	331. AG	164.	100.0	.0	24.0	.39 6.7
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1660.	3.6	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	2070.	4.1	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2070.	4.1	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	535.	4.1	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	535.	4.1	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	535.	4.1	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1394.7	2746.5	*	190.	263. AG	239.	100.0	.0	36.0	.52 9.6
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	455.	4.1	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	675.	4.1	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1085.	4.1	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	2094.7	2788.4	*	397.	93. AG	227.	100.0	.0	36.0	.90 20.2
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	715.	4.1	.0	44.0	

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RUN: PurpleLine S11-LBRTPM 2015

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	715.	4.1	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	715.	4.1	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1535.	3.5	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	805.1	2454.7	*	453.	234. AG	88.	100.0	.0	24.0	.82 23.0
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1535.	3.5	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1425.	3.5	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1068.7	2493.2	*	636.	215. AG	115.	100.0	.0	24.0	.97 32.3
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	110.	3.5	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1357.6	2931.0	*	111.	216. AG	76.	100.0	.0	12.0	.26 5.7
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2200.	3.5	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2200.	3.5	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	1805.	3.5	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1070.	3.5	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1604.5	3746.5	*	513.	17. AG	132.	100.0	.0	24.0	.91 26.1
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	320.	3.5	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1544.1	3614.8	*	283.	19. AG	66.	100.0	.0	12.0	.61 14.4
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	320.	3.5	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	415.	3.5	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1558.0	3519.0	*	296.	17. AG	174.	100.0	.0	24.0	.97 15.0
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1235.	3.5	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1235.	3.5	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1400.3	3062.5	*	364.	43. AG	88.	100.0	.0	24.0	.81 18.5
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1235.	3.5	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1950.	3.5	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1950.	3.5	.0	44.0	

70.0	BRTeb	*	688.0	2458.0	929.0	2543.0	*	256.	71. AG	34.	3.4	.0	32.0		
71.0	BRTeb	*	929.0	2543.0	1071.0	2612.0	*	158.	64. AG	34.	3.4	.0	32.0		
72.0	BRTeb	*	1071.0	2612.0	1151.0	2645.0	*	87.	68. AG	34.	3.4	.0	32.0		
73.0	BRTeb	*	1151.0	2645.0	1260.0	2668.0	*	111.	78. AG	34.	3.4	.0	32.0		
74.0	BRTeb	*	1260.0	2668.0	1367.0	2703.0	*	113.	72. AG	34.	3.4	.0	32.0		
75.0	BRTeb	*	1367.0	2703.0	1484.0	2729.0	*	120.	77. AG	34.	3.4	.0	32.0		
76.0	BRTeb	*	1484.0	2729.0	1599.0	2747.0	*	116.	81. AG	34.	3.4	.0	32.0		
77.0	BRTebQ	*	1592.0	2745.0	1556.3	2739.7	*	36.	261. AG	21.	100.0	.0	12.0	.10	1.8
78.0	BRTeb	*	1599.0	2746.0	1795.0	2760.0	*	196.	86. AG	34.	3.4	.0	32.0		
79.0	BRTeb	*	1795.0	2760.0	2624.0	2723.0	*	830.	93. AG	34.	3.4	.0	32.0		
80.0	BRTwb	*	2626.0	2770.0	2565.0	2776.0	*	61.	276. AG	34.	3.4	.0	32.0		
81.0	BRTwb	*	2565.0	2776.0	2494.0	2791.0	*	73.	282. AG	34.	3.4	.0	32.0		
82.0	BRTwb	*	2494.0	2791.0	1891.0	2818.0	*	604.	273. AG	34.	3.4	.0	32.0		
83.0	BRTwb	*	1891.0	2818.0	1828.0	2825.0	*	63.	276. AG	34.	3.4	.0	32.0		
84.0	BRTwb	*	1828.0	2825.0	1607.0	2837.0	*	221.	273. AG	34.	3.4	.0	32.0		
85.0	BRTwbQ	*	1687.0	2833.0	1721.2	2831.3	*	34.	93. AG	20.	100.0	.0	12.0	.09	1.7
86.0	BRTwb	*	1608.0	2838.0	1534.0	2839.0	*	74.	271. AG	34.	3.4	.0	32.0		
87.0	BRTwb	*	1534.0	2839.0	1442.0	2834.0	*	92.	267. AG	34.	3.4	.0	32.0		
88.0	BRTwb	*	1442.0	2834.0	1298.0	2811.0	*	146.	261. AG	34.	3.4	.0	32.0		
89.0	BRTwb	*	1298.0	2811.0	1217.0	2786.0	*	85.	253. AG	34.	3.4	.0	32.0		
90.0	BRTwb	*	1217.0	2786.0	1014.0	2694.0	*	223.	246. AG	34.	3.4	.0	32.0		
91.0	BRTwb	*	1014.0	2694.0	912.0	2641.0	*	115.	243. AG	34.	3.4	.0	32.0		
92.0	BRTwb	*	912.0	2641.0	857.0	2611.0	*	63.	241. AG	34.	3.4	.0	32.0		
93.0	BRTwb	*	857.0	2611.0	796.0	2583.0	*	67.	245. AG	34.	3.4	.0	32.0		
94.0	BRTwb	*	796.0	2583.0	666.0	2535.0	*	139.	250. AG	34.	3.4	.0	32.0		

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## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3.0	ADnbTQ	*	248	158	2.0	1555	1695	37.80	1 3
5.0	ADnbRQ	*	248	158	2.0	220	1583	37.80	1 3
9.0	ADnbLQ	*	248	214	2.0	220	1770	37.80	1 3
12.0	ADnbT2Q	*	248	172	2.0	1290	1695	37.80	1 3
20.0	ADsbTQ	*	248	146	2.0	970	1695	37.80	1 3
22.0	ADsbRQ	*	248	146	2.0	170	1583	37.80	1 3
27.0	ADsbLQ	*	248	214	2.0	120	1770	37.80	1 3
30.0	ADsbT2Q	*	248	145	2.0	1140	1770	37.80	1 3
32.0	ADsbL2Q	*	248	200	2.0	240	1717	37.80	1 3
39.0	CMebTRq	*	248	195	2.0	535	1723	37.80	1 3
43.0	CMwbQ	*	248	185	2.0	1085	1691	37.80	1 3
48.0	193ebLQ	*	248	108	2.0	1535	1717	37.80	1 3
51.0	193ebT	*	248	141	2.0	1425	1770	37.80	1 3
53.0	193ebL	*	248	185	2.0	110	1770	37.80	1 3
58.0	193wbT	*	248	162	2.0	1070	1770	37.80	1 3
60.0	193wbR	*	248	162	2.0	320	1583	37.80	1 3
63.0	193wbL	*	248	213	2.0	415	1717	37.80	1 3
66.0	193wbQ	*	248	108	2.0	1235	1394	37.80	1 3
77.0	BRTebQ	*	248	194	2.0	34	1770	10.10	1 3
85.0	BRTwbQ	*	248	184	2.0	34	1611	10.10	1 3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2741.0	5.0	*
6. SE 164 E	*	1922.0	2738.0	5.0	*
7. SE MID E	*	2005.0	2734.0	5.0	*
8. NE MID E	*	1900.0	2833.0	5.0	*
9. NE 164 E	*	1818.0	2842.0	5.0	*
10. NE 82 E	*	1736.0	2847.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1627.0	2929.0	5.0	*
13. NE 164 N	*	1595.0	3005.0	5.0	*
14. NE MID N	*	1574.0	3085.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1352.0	2681.0	5.0	*
23. SW 164 W	*	1432.0	2700.0	5.0	*
24. SW 82 W	*	1514.0	2717.0	5.0	*
25. SW CNR	*	1597.0	2730.0	5.0	*

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## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
26. SW 82 S	*	1627.0	2660.0	5.0	*
27. SW 164 S	*	1659.0	2584.0	5.0	*
28. SW MID S	*	1690.0	2508.0	5.0	*
29. SW ISLAND	*	1457.0	2986.0	5.0	*
30. SW ISLAND	*	1498.0	2916.0	5.0	*
31. SW ISLAND	*	1536.0	2854.0	5.0	*
32. SW ISLAND	*	1442.0	2851.0	5.0	*
33. SW ISLAND	*	1336.0	2833.0	5.0	*
34. SW ISLAND	*	1395.0	2901.0	5.0	*

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.1	.2	.4	.4	.6	.6	.6	.0	.0	.0	.1	.1	.3	.5	.3	.8	.7	.4	.2	.1
5.	.1	.1	.3	.4	.6	.6	.6	.0	.0	.0	.1	.1	.1	.4	.3	.8	.7	.4	.2	.1
10.	.1	.2	.3	.4	.6	.6	.6	.0	.0	.0	.1	.0	.1	.1	.3	.8	.8	.5	.2	.2
15.	.1	.2	.4	.6	.6	.6	.6	.0	.0	.0	.1	.0	.1	.1	.4	.8	.8	.7	.3	.2
20.	.1	.2	.4	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.1	.4	.8	.8	.7	.5	.3
25.	.1	.2	.4	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.4	.8	.9	.8	.5	.5	.5
30.	.1	.2	.4	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.5	.8	.8	.8	.5	.4	.4
35.	.1	.2	.4	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.5	.9	.9	.8	.7	.4	.4
40.	.1	.2	.5	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.6	.9	.9	.7	.5	.4	.4
45.	.1	.2	.5	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.6	.9	1.0	.7	.3	.3	.3
50.	.0	.2	.5	.7	.6	.5	.0	.0	.0	.0	.0	.0	.0	.7	1.0	1.1	.7	.2	.3	.3
55.	.0	.2	.5	.7	.6	.5	.0	.0	.0	.0	.0	.0	.0	.7	1.0	1.1	.5	.3	.4	.4
60.	.0	.2	.6	.7	.6	.4	.0	.0	.0	.0	.0	.0	.0	.7	1.2	1.1	.4	.4	.4	.4
65.	.0	.1	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.8	1.2	1.1	.3	.3	.6	.6
70.	.0	.1	.5	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	.8	1.2	1.1	.3	.4	.8	.8
75.	.0	.1	.5	.6	.5	.3	.0	.0	.1	.1	.0	.0	.0	.8	1.2	1.1	.3	.4	.8	.8
80.	.0	.0	.5	.5	.4	.3	.2	.1	.1	.1	.0	.0	.0	.8	1.1	1.0	.4	.4	.7	.7
85.	.0	.0	.4	.4	.3	.2	.3	.3	.3	.3	.0	.0	.0	1.0	1.1	1.0	.4	.7	.7	.7
90.	.0	.0	.3	.4	.3	.2	.3	.4	.4	.4	.0	.0	.0	1.0	1.1	.9	.5	.7	.9	.9
95.	.0	.0	.1	.3	.3	.2	.5	.5	.5	.5	.1	.0	.0	1.0	1.1	.9	.4	.9	.9	.9
100.	.0	.0	.0	.0	.0	.0	.8	.8	.8	.7	.2	.0	.0	1.0	1.1	.7	.5	1.1	.8	.8
105.	.0	.0	.0	.0	.0	.0	.9	.9	.9	.9	.3	.1	.0	1.0	1.1	.8	.6	1.1	.8	.8
110.	.0	.0	.0	.0	.0	.0	1.0	.9	1.0	.9	.3	.1	.0	1.0	1.1	1.0	.7	1.0	.7	.7
115.	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.9	.4	.1	.1	1.0	1.0	.9	.7	.9	.8	.8
120.	.0	.0	.0	.0	.0	.0	1.0	1.0	1.0	.8	.4	.2	.1	1.1	1.2	.8	.7	.8	.7	.7
125.	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.8	.4	.2	.1	1.3	1.2	.7	.7	.8	.6	.6
130.	.0	.0	.0	.0	.0	.0	1.0	1.0	.9	.7	.5	.2	.1	1.3	.9	.8	.9	.8	.6	.6
135.	.0	.0	.0	.0	.0	.0	1.0	.8	.7	.7	.4	.3	.1	1.1	.9	.7	.7	.7	.7	.7
140.	.1	.0	.0	.0	.0	.0	.9	.8	.7	.8	.5	.3	.2	.8	.8	.4	.7	.6	.7	.7
145.	.2	.2	.0	.0	.0	.0	.8	.8	.7	1.0	.7	.5	.2	.7	.6	.3	.6	.5	.6	.6
150.	.3	.3	.1	.0	.0	.0	.8	.8	.7	1.2	.9	.7	.4	.6	.4	.4	.5	.4	.5	.5
155.	.4	.4	.2	.0	.0	.0	.8	.8	.8	1.5	1.2	1.0	.6	.3	.2	.5	.4	.5	.5	.5
160.	.7	.8	.9	.4	.0	.0	.8	.8	.9	1.9	1.5	1.3	.9	.1	.2	.3	.4	.5	.5	.5
165.	.8	1.1	1.2	.6	.1	.0	.8	.9	.9	2.0	1.6	1.3	.9	.1	.1	.3	.4	.5	.5	.5
170.	.9	1.2	1.3	.7	.2	.1	.8	1.0	1.3	1.9	1.6	1.4	1.1	.1	.2	.2	.3	.4	.5	.5
175.	1.0	1.2	1.5	.8	.2	.1	.9	.9	1.4	1.9	1.7	1.5	1.2	.1	.2	.2	.3	.5	.5	.5
180.	.9	1.4	1.5	.7	.3	.1	1.0	.9	1.3	1.8	1.5	1.4	1.2	.1	.1	.2	.3	.5	.5	.5
185.	1.0	1.4	1.4	1.0	.3	.2	1.0	1.0	1.5	1.7	1.4	1.3	1.1	.0	.1	.2	.2	.4	.4	.4
190.	1.1	1.4	1.4	1.0	.4	.2	.1	.9	1.1	1.4	1.6	1.2	1.3	1.0	.0	.0	.2	.4	.4	.4
195.	1.1	1.4	1.4	1.0	.4	.2	.1	.9	1.1	1.4	1.4	1.2	1.5	1.0	.0	.0	.2	.4	.4	.4
200.	1.1	1.2	1.2	1.0	.4	.1	.2	.9	1.2	1.4	1.4	1.2	1.5	.9	.0	.0	.2	.4	.5	.5
205.	.9	1.1	1.1	1.0	.5	.1	.1	1.0	1.3	1.4	1.4	1.2	1.4	.9	.0	.0	.2	.3	.5	.5

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JOB: PurpleLine S11-LBRTPM 2015

RUN: PurpleLine S11-LBRTPM 2015

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.9	1.1	1.1	.9	.5	.2	.1	1.0	1.2	1.3	1.3	1.3	1.4	1.1	.0	.0	.0	.1	.3	.3
215.	.9	1.1	1.1	.9	.5	.2	.1	1.0	1.1	1.1	1.3	1.5	1.3	.9	.0	.0	.0	.0	.3	.3
220.	.9	1.1	1.1	.9	.5	.2	.1	1.0	1.0	1.1	1.3	1.5	1.4	.9	.0	.0	.0	.0	.1	.3
225.	.9	1.1	1.1	1.0	.5	.2	.1	1.1	1.1	1.2	1.3	1.5	1.4	.9	.0	.0	.0	.0	.0	.0
230.	.9	1.1	1.1	1.0	.4	.2	.1	1.2	1.1	1.0	1.4	1.6	1.3	1.0	.0	.0	.0	.0	.0	.0
235.	.9	1.1	1.1	1.1	.4	.2	.1	1.2	1.1	1.0	1.4	1.5	1.2	1.0	.0	.0	.0	.0	.0	.0
240.	.9	1.1	1.1	1.1	.5	.2	.2	1.2	1.3	1.0	1.4	1.5	1.2	1.0	.0	.0	.0	.0	.0	.0
245.	.9	1.1	1.1	1.1	.5	.2	.2	1.3	1.2	1.0	1.6	1.5	1.2	1.0	.0	.0	.0	.0	.0	.0
250.	.9	1.1	1.1	1.1	.4	.2	.2	1.2	1.1	.9	1.6	1.4	1.2	.9	.0	.0	.0	.0	.0	.0
255.	.9	1.1	1.1	1.3	.4	.3	.2	1.1	.9	.9	1.6	1.4	1.3	.9	.0	.0	.0	.0	.0	.0
260.	.9	1.1	1.1	1.3	.5	.4	.2	1.1	.9	.8	1.6	1.4	1.2	.8	.0	.0	.0	.0	.0	.0
265.	.9	1.1	1.1	1.2	.5	.4	.4	1.0	.9	.7	1.5	1.4	1.2	.6	.0	.0	.0	.0	.0	.0
270.	.9	1.1	1.1	1.3	.5	.5	.4	.8	.8	.9	1.4	1.5	1.2	.6	.0	.0	.0	.0	.0	.0
275.	.9	1.1	1.1	1.3	.6	.5	.6	.7	.6	.8	1.6	1.5	1.2	.5	.0	.0	.0	.0	.0	.0
280.	.9	1.1	1.2	1.2	.5	.7	.7	.6	.7	.7	1.6	1.5	1.0	.4	.0	.0	.0	.0	.0	.0

285.	*	.9	1.1	1.2	1.2	.6	.8	.6	.6	.5	.7	1.6	1.5	1.0	.5	.0	.0	.0	.0	.0	.0
290.	*	1.0	1.2	1.2	1.1	.8	.7	.7	.3	.5	.6	1.8	1.3	1.0	.5	.0	.0	.0	.0	.0	.0
295.	*	1.2	1.3	1.2	1.1	1.0	.9	.7	.2	.5	.6	1.8	1.3	1.0	.6	.0	.0	.0	.0	.0	.0
300.	*	1.4	1.4	1.3	1.1	1.0	.9	.8	.2	.3	.6	1.8	1.3	1.2	.6	.0	.0	.0	.0	.0	.0
305.	*	1.4	1.5	1.4	1.2	1.1	.8	.8	.1	.2	.6	1.8	1.3	1.0	.6	.0	.0	.0	.0	.0	.0
310.	*	1.4	1.6	1.4	1.2	1.0	.8	.8	.1	.2	.6	1.7	1.2	1.1	.6	.0	.0	.0	.0	.0	.0
315.	*	1.5	1.6	1.5	1.3	.9	.8	.7	.0	.1	.6	1.9	1.3	1.0	.5	.0	.0	.0	.0	.0	.0
320.	*	1.6	1.7	1.6	1.2	.7	.7	.7	.0	.0	.3	1.7	1.2	.9	.5	.0	.0	.1	.0	.0	.0
325.	*	1.5	1.7	1.3	1.1	.7	.6	.6	.0	.0	.1	1.6	1.2	.6	.5	.0	.1	.2	.0	.0	.0
330.	*	1.6	1.4	1.3	1.0	.6	.6	.6	.0	.0	.1	1.3	.9	.6	.5	.2	.3	.4	.0	.0	.0
335.	*	1.2	1.0	1.3	.7	.6	.6	.6	.0	.0	.1	1.0	1.0	.7	.5	.2	.4	.4	.1	.0	.0
340.	*	1.0	.9	.9	.5	.6	.6	.6	.0	.0	.2	.9	.5	.4	.4	.2	.4	.6	.1	.0	.0
345.	*	.7	.6	.7	.5	.6	.6	.6	.0	.0	.0	.6	.3	.4	.5	.3	.6	.6	.3	.1	.0
350.	*	.5	.6	.4	.5	.6	.6	.6	.0	.0	.0	.4	.4	.4	.6	.3	.6	.7	.4	.1	.0
355.	*	.4	.2	.3	.4	.6	.6	.6	.0	.0	.0	.2	.3	.3	.6	.4	.8	.7	.4	.1	.1
360.	*	.1	.2	.4	.4	.6	.6	.6	.0	.0	.0	.1	.1	.3	.5	.3	.8	.7	.4	.2	.1
MAX		1.6	1.7	1.6	1.3	1.1	.9	.8	1.3	1.3	1.5	2.0	1.7	1.5	1.2	1.3	1.2	1.1	.9	1.1	.9
DEGR.	*	320	320	320	255	305	295	300	245	205	185	165	175	175	175	125	125	50	130	100	90

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JOB: PurpleLine S11-LBRTPM 2015

RUN: PurpleLine S11-LBRTPM 2015

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34
0.	*	.0	.2	.8	.9	1.2	.8	1.2	1.3	1.2	1.1	1.5	.6	1.0	1.1
5.	*	.1	.3	.7	1.0	1.0	1.0	1.3	1.4	1.2	1.2	1.7	.5	1.1	1.0
10.	*	.1	.3	.7	1.2	1.0	1.0	1.4	1.3	1.2	1.3	1.5	.5	1.2	1.0
15.	*	.1	.4	.7	1.2	1.0	1.2	1.3	1.4	1.1	1.1	1.4	.6	1.1	.8
20.	*	.1	.5	.8	1.2	.8	1.1	1.4	1.4	1.1	1.1	1.3	.4	1.1	.9
25.	*	.2	.4	.8	1.1	.8	1.1	1.3	1.2	.9	1.0	1.2	.3	1.0	.9
30.	*	.3	.5	.9	1.0	.8	1.2	1.3	1.2	.9	1.0	1.3	.5	.6	.6
35.	*	.4	.7	.9	.9	.9	1.4	1.2	1.2	.8	1.0	1.3	.6	.6	.5
40.	*	.3	.7	.8	.9	.9	1.4	1.2	1.1	.8	1.0	1.2	.5	.5	.5
45.	*	.4	.6	.8	.8	.8	1.3	1.2	1.1	.7	1.2	1.2	.5	.4	.3
50.	*	.5	.6	.7	1.0	.9	1.3	1.2	1.1	.7	1.2	1.2	.6	.4	.4
55.	*	.4	.6	.8	1.0	1.0	1.3	1.2	1.1	.8	1.2	1.2	.6	.3	.4
60.	*	.6	.6	.6	1.0	1.1	1.4	1.1	1.1	.8	1.1	1.2	.6	.3	.4
65.	*	.6	.6	.6	.9	1.2	1.4	1.1	1.0	.9	1.1	1.2	.6	.3	.4
70.	*	.7	.5	.6	.8	1.2	1.3	1.1	1.0	.9	1.1	1.2	.6	.4	.5
75.	*	.6	.4	.8	.9	1.2	1.2	1.0	1.0	.9	1.1	1.3	.6	.4	.5
80.	*	.6	.5	.7	.9	1.3	1.1	1.0	1.0	.9	1.2	1.3	.7	.5	.5
85.	*	.6	.4	.7	.7	1.3	1.0	1.0	1.0	.8	1.2	1.4	.8	.4	.6
90.	*	.6	.5	.5	.5	1.2	.9	1.0	.9	.9	1.3	1.3	.9	.4	.6
95.	*	.7	.2	.5	.7	1.1	.9	1.0	.9	1.1	1.4	1.3	.8	.4	.7
100.	*	.8	.2	.3	.6	1.1	1.0	1.0	1.0	1.1	1.5	1.3	.7	.6	.7
105.	*	.8	.2	.3	.6	1.0	1.0	1.1	1.0	1.1	1.5	1.3	.8	.6	.7
110.	*	.8	.1	.5	.5	.9	1.1	1.1	1.0	1.3	1.7	1.1	.8	.8	.7
115.	*	.7	.1	.5	.5	1.0	1.1	1.1	1.0	1.4	1.5	1.1	.6	.7	.4
120.	*	.7	.1	.3	.5	1.2	1.2	1.2	1.1	1.4	1.3	1.1	.7	.7	.5
125.	*	.7	.1	.2	.5	1.1	1.2	1.1	1.2	1.3	1.5	1.2	.7	.7	.5
130.	*	.7	.1	.2	.5	1.1	1.2	1.1	1.1	1.3	1.4	1.0	.9	.6	.6
135.	*	.5	.1	.3	.5	1.1	1.1	1.2	1.1	1.3	1.1	1.0	.9	.5	.5
140.	*	.5	.0	.3	.6	1.2	1.2	1.1	1.0	1.3	1.1	.9	.8	.4	.5
145.	*	.5	.0	.1	.3	1.2	1.1	1.0	1.1	1.0	1.0	1.0	.7	.3	.4
150.	*	.5	.0	.0	.3	.9	1.0	1.0	.9	.9	.9	1.1	.6	.2	.4
155.	*	.5	.0	.0	.2	.8	.8	.8	.6	.6	.7	1.1	.5	.2	.2
160.	*	.4	.0	.0	.0	.8	.7	.6	.5	.5	.5	.8	.4	.2	.2
165.	*	.4	.0	.0	.0	.4	.4	.4	.3	.2	.4	.6	.4	.1	.2
170.	*	.4	.0	.0	.0	.3	.2	.2	.2	.2	.2	.5	.4	.1	.2
175.	*	.4	.0	.0	.0	.1	.1	.1	.1	.2	.2	.4	.4	.1	.1
180.	*	.5	.0	.0	.0	.1	.1	.1	.1	.1	.2	.4	.4	.1	.1
185.	*	.6	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	.4	.1	.1
190.	*	.6	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.4	.1	.1
195.	*	.6	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.3	.2	.0
200.	*	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.2	.1
205.	*	.4	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.3	.3	.1

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JOB: PurpleLine S11-LBRTPM 2015

RUN: PurpleLine S11-LBRTPM 2015

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34
210.	*	.3	.0	.0	.0	.0	.0	.0	.0	.3	.1	.4	.1	.3	.2
215.	*	.3	.0	.0	.0	.0	.0	.0	.0	.3	.1	.4	.1	.5	.3
220.	*	.2	.0	.0	.0	.0	.0	.0	.0	.4	.2	.4	.3	.6	.5
225.	*	.1	.0	.0	.0	.0	.0	.0	.0	.4	.1	.4	.2	.7	.6
230.	*	.0	.1	.0	.0	.0	.0	.0	.0	.6	.1	.4	.2	.9	.7



235.	*	.0	.1	.0	.0	.0	.0	.0	.0	.7	.1	.4	.3	1.0	.7
240.	*	.0	.1	.1	.0	.0	.0	.0	.0	.8	.1	.3	.4	1.0	.7
245.	*	.0	.2	.1	.1	.0	.0	.0	.0	.7	.1	.3	.5	.8	.7
250.	*	.0	.2	.2	.1	.1	.0	.0	.0	.7	.1	.3	.4	.6	.7
255.	*	.0	.2	.2	.1	.2	.0	.0	.0	.7	.2	.2	.4	.6	.7
260.	*	.0	.2	.2	.2	.3	.0	.0	.0	.7	.2	.1	.2	.8	.6
265.	*	.0	.2	.2	.2	.4	.1	.0	.0	.7	.3	.1	.3	.8	.6
270.	*	.0	.3	.1	.3	.5	.1	.0	.0	.7	.3	.1	.3	.8	.6
275.	*	.0	.3	.2	.3	.6	.2	.0	.0	.6	.3	.2	.3	.8	.6
280.	*	.0	.3	.2	.4	.7	.2	.0	.0	.7	.3	.2	.2	.7	.5
285.	*	.0	.1	.2	.5	.8	.2	.0	.0	.7	.3	.2	.2	.7	.5
290.	*	.0	.2	.2	.6	.8	.3	.0	.0	.7	.3	.2	.3	.7	.5
295.	*	.0	.2	.3	.6	.9	.3	.1	.0	.7	.4	.2	.3	.7	.5
300.	*	.0	.2	.3	.6	.9	.3	.1	.0	.6	.4	.2	.3	.7	.5
305.	*	.0	.2	.3	.7	.9	.4	.1	.1	.6	.4	.2	.3	.7	.6
310.	*	.0	.2	.4	.7	.9	.4	.3	.2	.6	.3	.2	.3	.7	.6
315.	*	.0	.4	.5	.6	.7	.5	.3	.2	.8	.4	.3	.3	.7	.7
320.	*	.0	.4	.6	.6	.8	.5	.3	.2	.6	.4	.5	.3	.7	.7
325.	*	.0	.4	.6	.6	.8	.4	.4	.3	.7	.5	.5	.3	.6	.7
330.	*	.0	.4	.6	.7	1.2	.6	.5	.5	.9	.8	.6	.5	.6	.7
335.	*	.0	.4	.7	.9	1.2	.7	.5	.9	.9	.8	.9	.5	.5	.9
340.	*	.0	.3	.6	.9	1.1	.7	1.1	.9	.8	.9	1.1	.6	.6	.9
345.	*	.0	.3	.7	.7	1.2	.8	1.2	1.0	1.0	.9	1.1	.5	.7	1.1
350.	*	.0	.3	.9	.8	1.1	1.0	1.0	.9	1.0	1.2	1.4	.5	.8	1.1
355.	*	.0	.4	.8	.9	1.1	1.0	1.1	1.2	1.1	1.2	1.4	.5	.9	1.1
360.	*	.0	.2	.8	.9	1.2	.8	1.2	1.3	1.2	1.1	1.5	.6	1.0	1.1
-----*															
MAX	*	.8	.7	.9	1.2	1.3	1.4	1.4	1.4	1.4	1.7	1.7	.9	1.2	1.1
DEGR.	*	100	35	350	10	85	35	10	5	115	110	5	90	10	0

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 165 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 110 DEGREES FROM REC30.

PurpleLine S11 HighBRT 2015AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 HighBRT 2015AM	69	1	0
1			
0	ADnbAP	AG	2094. 1673. 1803. 2404. 1325 4.7 0 44 30.
1			
0	ADnbT	AG	1797. 2401. 1636. 2800. 970 4.7 0 56 30.
2			
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
242	172	2.0	970 37.8 1695 1 3
1			
0	ADnbR	AG	1815. 2410. 1711. 2675. 135 4.7 0 32 30.
2			
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
242	172	2.0	135 37.8 1583 1 3
1			
0	ADnbR	AG	1711. 2675. 1722. 2740. 135 4.7 0 32 30.
1			
0	ADnbR	AG	1722. 2740. 1789. 2778. 135 4.7 0 32 30.
1			
0	ADnbL	AG	1772. 2400. 1616. 2796. 220 4.7 0 32 30.
2			
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
242	202	2.0	220 37.8 1770 1 3
1			
0	ADnb2	AG	1639. 2803. 1570. 2969. 1060 4.7 0 56 30.
1			
0	ADnbT2	AG	1571. 2968. 1458. 3168. 680 4.7 0 56 30.
2			
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
242	182	2.0	680 37.8 1695 1 3
1			
0	ADnbR2	AG	1592. 2972. 1555. 3064. 380 4.7 0 32 30.
1			
0	ADnbR2	AG	1555. 3064. 1551. 3156. 380 4.7 0 32 30.
1			
0	ADnbR2	AG	1551. 3156. 1615. 3374. 380 4.7 0 32 30.
1			
0	ADnbD	AG	1460. 3169. 1201. 3572. 935 4.7 0 56 30.
1			
0	ADnbD	AG	1201. 3572. 1110. 3763. 935 4.7 0 44 30.
1			
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1275 3.6 0 68 30.
1			
0	ADsbT	AG	1177. 3473. 1422. 3106. 995 3.6 0 56 30.
2			
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
242	150	2.0	995 37.8 1695 1 3
1			
0	ADsbR	AG	1177. 3439. 1306. 3233. 70 3.6 0 32 30.
2			
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
242	150	2.0	70 37.8 1583 1 3
1			
0	ADsbR	AG	1306. 3233. 1327. 3131. 70 3.6 0 32 30.
1			
0	ADsbR	AG	1327. 3131. 1296. 3001. 70 3.6 0 32 30.
1			
0	ADsbR	AG	1296. 3001. 1249. 2911. 70 3.6 0 32 30.
1			
0	ADsbL	AG	1228. 3446. 1435. 3128. 210 3.6 0 32 30.
2			
0	ADsbLQ	AG	1388. 3200. 1240. 3427. 0. 12 1
242	202	2.0	210 37.8 1770 1 3
1			
0	ADsb2	AG	1422. 3107. 1495. 2999. 1555 3.6 0 56 30.
1			
0	ADsbT2	AG	1483. 2997. 1593. 2797. 1315 3.6 0 44 30.



JOB: PurpleLine S11 HighBRT 2015AM  
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SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	* 2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1325.	4.7	.0	44.0	
2. 0	ADnbT	* 1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	970.	4.7	.0	56.0	
3. 0	ADnbTQ	* 1661.0	2738.0	1774.3	2456.1	*	304.	158. AG	216.	100.0	.0	36.0	.70 15.4
4. 0	ADnbR	* 1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	135.	4.7	.0	32.0	
5. 0	ADnbRQ	* 1714.0	2669.0	1760.3	2550.8	*	127.	159. AG	72.	100.0	.0	12.0	.31 6.5
6. 0	ADnbR	* 1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	135.	4.7	.0	32.0	
7. 0	ADnbR	* 1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	135.	4.7	.0	32.0	
8. 0	ADnbL	* 1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	4.7	.0	32.0	
9. 0	ADnbLQ	* 1642.0	2729.0	1737.5	2487.6	*	260.	158. AG	85.	100.0	.0	12.0	.84 13.2
10. 0	ADnb2	* 1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1060.	4.7	.0	56.0	
11. 0	ADnbT2	* 1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	680.	4.7	.0	56.0	
12. 0	ADnbT2Q	* 1514.0	3070.0	1623.9	2873.8	*	225.	151. AG	229.	100.0	.0	36.0	.58 11.4
13. 0	ADnbR2	* 1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	380.	4.7	.0	32.0	
14. 0	ADnbR2	* 1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	380.	4.7	.0	32.0	
15. 0	ADnbR2	* 1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	380.	4.7	.0	32.0	
16. 0	ADnbD	* 1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	935.	4.7	.0	56.0	
17. 0	ADnbD	* 1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	935.	4.7	.0	44.0	
18. 0	ADsbAP	* 1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1275.	3.6	.0	68.0	
19. 0	ADsbT	* 1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	995.	3.6	.0	56.0	
20. 0	ADsbTQ	* 1372.0	3181.0	1221.6	3407.0	*	271.	326. AG	189.	100.0	.0	36.0	.54 13.8
21. 0	ADsbR	* 1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	70.	3.6	.0	32.0	
22. 0	ADsbRQ	* 1303.0	3238.0	1272.5	3286.6	*	57.	328. AG	63.	100.0	.0	12.0	.12 2.9
23. 0	ADsbR	* 1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	70.	3.6	.0	32.0	
24. 0	ADsbR	* 1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	70.	3.6	.0	32.0	
25. 0	ADsbR	* 1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	70.	3.6	.0	32.0	
26. 0	ADsbL	* 1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	210.	3.6	.0	32.0	
27. 0	ADsbLQ	* 1388.0	3200.0	1255.7	3402.9	*	242.	327. AG	85.	100.0	.0	12.0	.80 12.3
28. 0	ADsb2	* 1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1555.	3.6	.0	56.0	
29. 0	ADsbT2	* 1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1315.	3.6	.0	44.0	
30. 0	ADsbT2Q	* 1564.0	2850.0	1327.5	3277.7	*	489.	331. AG	112.	100.0	.0	24.0	.86 24.8
31. 0	ADsbL2	* 1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	* 1586.0	2854.0	1534.4	2947.7	*	107.	331. AG	137.	100.0	.0	24.0	.23 5.4
33. 0	ADsbD	* 1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1630.	3.6	.0	44.0	
34. 0	193ebAP	* 683.0	2476.0	956.0	2578.0	*	291.	70. AG	1200.	3.7	.0	44.0	
35. 0	193ebAP	* 956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1200.	3.7	.0	44.0	
36. 0	CMebTR	* 1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	360.	3.7	.0	56.0	
37. 0	CMebTR	* 1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	360.	3.7	.0	56.0	
38. 0	CMebTR	* 1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	360.	3.7	.0	56.0	
39. 0	CMebTRq	* 1583.0	2770.0	1463.2	2755.0	*	121.	263. AG	231.	100.0	.0	36.0	.34 6.1
40. 0	CMebD1	* 1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	415.	3.7	.0	44.0	
41. 0	CMebD2	* 1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	550.	3.7	.0	44.0	
42. 0	CMwbAP	* 2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	465.	4.1	.0	56.0	
43. 0	CMwbQ	* 1698.0	2811.0	1868.1	2801.3	*	170.	93. AG	253.	100.0	.0	36.0	.61 8.7
44. 0	CMwbD	* 1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	465.	4.1	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	* 1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	465.	4.1	.0	44.0	
46. 0	CMwbD	* 1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	465.	4.1	.0	44.0	
47. 0	193ebL	* 1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	840.	3.5	.0	44.0	
48. 0	193ebLQ	* 1173.0	2719.0	990.2	2587.7	*	225.	234. AG	82.	100.0	.0	24.0	.42 11.4
49. 0	193ebAP	* 1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	835.	3.5	.0	44.0	
50. 0	193ebTR	* 1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	730.	3.5	.0	44.0	
51. 0	193ebT	* 1436.0	3012.0	1260.7	2764.4	*	303.	215. AG	127.	100.0	.0	24.0	.58 15.4
52. 0	193ebL	* 1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	105.	3.5	.0	32.0	
53. 0	193ebL	* 1423.0	3021.0	1355.1	2927.7	*	115.	216. AG	84.	100.0	.0	12.0	.39 5.9
54. 0	193ebD	* 1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1320.	3.5	.0	44.0	
55. 0	193ebD	* 1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1320.	3.5	.0	44.0	
56. 0	193wbA	* 1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	3.5	.0	68.0	
57. 0	193wbT	* 1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1330.	3.5	.0	44.0	
58. 0	193wbT	* 1455.0	3256.0	1592.8	3708.2	*	473.	17. AG	109.	100.0	.0	24.0	.84 24.0
59. 0	193wbR	* 1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	150.	3.5	.0	32.0	
60. 0	193wbR	* 1454.0	3346.0	1487.9	3447.1	*	107.	19. AG	54.	100.0	.0	12.0	.21 5.4
61. 0	193wbR	* 1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	150.	3.5	.0	32.0	
62. 0	193wbL	* 1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	570.	3.5	.0	44.0	
63. 0	193wbL	* 1472.0	3236.0	1557.1	3516.1	*	293.	17. AG	156.	100.0	.0	24.0	.77 14.9
64. 0	193wbD	* 1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1400.	3.5	.0	44.0	
65. 0	193wbD	* 1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1400.	3.5	.0	44.0	
66. 0	193wbQ	* 1154.0	2794.0	1409.6	3072.6	*	378.	43. AG	82.	100.0	.0	24.0	.87 19.2
67. 0	193wbD1	* 1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1400.	3.5	.0	44.0	
68. 0	193wbD1	* 1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1865.	3.5	.0	44.0	
69. 0	193wbD1	* 850.0	2582.0	673.0	2513.0	*	190.	249. AG	1865.	3.5	.0	44.0	

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# ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	242	172	2.0	970	1695	37.80	1	3
5. 0	ADnbRQ	242	172	2.0	135	1583	37.80	1	3
9. 0	ADnbLQ	242	202	2.0	220	1770	37.80	1	3
12. 0	ADnbT2Q	242	182	2.0	680	1695	37.80	1	3
20. 0	ADsbTQ	242	150	2.0	995	1695	37.80	1	3
22. 0	ADsbRQ	242	150	2.0	70	1583	37.80	1	3
27. 0	ADsbLQ	242	202	2.0	210	1770	37.80	1	3
30. 0	ADsbT2Q	242	134	2.0	1315	1770	37.80	1	3
32. 0	ADsbL2Q	242	163	2.0	240	1717	37.80	1	3
39. 0	CMebTRq	242	184	2.0	360	1583	37.80	1	3
43. 0	CMwbQ	242	201	2.0	465	1672	37.80	1	3
48. 0	193ebLQ	242	98	2.0	840	1717	37.80	1	3
51. 0	193ebT	242	152	2.0	730	1770	37.80	1	3
53. 0	193ebL	242	201	2.0	105	1770	37.80	1	3
58. 0	193wbT	242	130	2.0	1330	1770	37.80	1	3
60. 0	193wbR	242	130	2.0	150	1583	37.80	1	3
63. 0	193wbL	242	186	2.0	570	1717	37.80	1	3
66. 0	193wbQ	242	98	2.0	1400	1394	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (FT)			* *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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# RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (FT)			* *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

JOB: PurpleLine S11 HighBRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.1	.3	.3	.7	.8	.5	.1	.1
5. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.3	.4	.8	.8	.6	.2	.1	
10. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.1	.5	.8	.8	.6	.2	.1	

15. \* .1 .1 .2 .4 .5 .1 .1 .0 .0 .0 .0 .0 .0 .1 .5 .8 .8 .6 .2 .1  
20. \* .0 .1 .2 .4 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .5 .7 .9 .6 .3 .1  
25. \* .0 .1 .2 .4 .4 .1 .1 .0 .0 .0 .0 .0 .0 .0 .6 .7 .9 .7 .4 .3  
30. \* .0 .0 .1 .4 .4 .1 .1 .0 .0 .0 .0 .0 .0 .0 .6 .7 .9 .8 .4 .5  
35. \* .0 .0 .1 .4 .3 .1 .1 .0 .0 .0 .0 .0 .0 .0 .6 .7 .9 .7 .5 .4  
40. \* .0 .0 .1 .4 .3 .1 .2 .0 .0 .0 .0 .0 .0 .0 .6 .8 .1.0 .6 .3 .4  
45. \* .0 .0 .1 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .7 .8 .1.1 .6 .3 .3  
50. \* .0 .0 .0 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 .9 .1.2 .6 .2 .3  
55. \* .0 .0 .0 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 .1.2 .4 .3 .4  
60. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 .1.2 .4 .3 .5  
65. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 .1.2 .3 .3 .7  
70. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .1 .0 .0 .0 .0 .1.0 .1.0 .1.2 .2 .4 .7  
75. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .1 .0 .0 .0 .0 .1.0 .1.0 .1.2 .2 .4 .8  
80. \* .0 .0 .0 .1 .2 .2 .2 .1 .1 .2 .1 .0 .0 .0 .1.0 .1.0 .1.0 .2 .4 .8  
85. \* .0 .0 .0 .0 .2 .2 .2 .1 .2 .3 .1 .0 .0 .0 .1.0 .1.1 .1.0 .2 .5 .6  
90. \* .0 .0 .0 .0 .1 .1 .1 .1 .2 .5 .2 .0 .0 .0 .1.0 .1.2 .9 .3 .5 .6  
95. \* .0 .0 .0 .0 .1 .1 .1 .1 .3 .6 .4 .0 .0 .0 .1.0 .1.1 .8 .3 .6 .6  
100. \* .0 .0 .0 .0 .1 .1 .1 .1 .4 .7 .5 .1 .0 .0 .1.0 .1.1 .6 .4 .6 .6  
105. \* .0 .0 .0 .0 .1 .1 .1 .2 .6 .9 .6 .1 .0 .0 .9 .1.0 .6 .4 .7 .5  
110. \* .0 .0 .0 .0 .0 .0 .0 .2 .7 .1.0 .6 .1 .0 .0 .9 .1.2 .6 .6 .7 .5  
115. \* .0 .0 .0 .0 .0 .0 .0 .2 .8 .1.0 .6 .2 .1 .0 .1.0 .1.1 .6 .6 .7 .6  
120. \* .0 .0 .0 .0 .0 .0 .0 .2 .8 .1.0 .6 .2 .1 .0 .9 .1.1 .6 .6 .5 .6  
125. \* .0 .0 .0 .0 .0 .0 .0 .2 .9 .1.0 .6 .3 .1 .1 .9 .1.0 .6 .6 .6 .6  
130. \* .0 .0 .0 .0 .0 .0 .0 .2 .9 .1.0 .5 .3 .1 .1 .9 .8 .6 .5 .5 .6  
135. \* .0 .0 .0 .0 .0 .0 .0 .2 .9 .1.0 .4 .3 .2 .1 .8 .8 .6 .6 .5 .5  
140. \* .0 .0 .0 .0 .0 .0 .0 .2 .9 .1.0 .4 .2 .2 .1 .6 .7 .5 .6 .5 .4  
145. \* .1 .0 .0 .0 .0 .0 .0 .1 .9 .9 .4 .3 .3 .2 .6 .5 .4 .5 .4 .4  
150. \* .1 .1 .2 .0 .0 .0 .0 .1 .9 .9 .4 .3 .3 .3 .4 .2 .4 .5 .3 .4  
155. \* .1 .3 .5 .1 .0 .0 .0 .1 .9 .9 .6 .6 .6 .4 .2 .3 .4 .3 .3 .4  
160. \* .3 .4 .6 .2 .0 .0 .0 .1 .8 .1.0 .7 .7 .8 .6 .1 .1 .3 .3 .3 .4  
165. \* .4 .5 .7 .3 .0 .0 .0 .1 .8 .1.0 .8 .8 .8 .6 .0 .1 .3 .3 .4 .4  
170. \* .4 .5 .8 .6 .0 .0 .0 .1 .9 .1.1 .7 .8 .8 .9 .0 .1 .2 .3 .3 .4  
175. \* .4 .6 .1.1 .6 .1 .0 .0 .1 .9 .1.3 .7 .9 .9 .1.0 .0 .0 .2 .3 .4 .4  
180. \* .3 .7 .1.1 .6 .0 .0 .0 .1 .1.0 .1.3 .8 .7 .1.2 .1.0 .0 .0 .2 .3 .4 .3  
185. \* .3 .6 .1.2 .8 .2 .0 .0 .1 .1.1 .1.5 .7 .7 .9 .1.2 .0 .0 .1 .3 .4 .3  
190. \* .3 .7 .1.2 .8 .2 .0 .0 .1 .1.1 .1.5 .6 .8 .1.1 .1.1 .0 .0 .1 .2 .4 .4  
195. \* .3 .7 .1.2 .8 .2 .0 .0 .2 .1.2 .1.4 .5 .9 .1.1 .1.1 .0 .0 .0 .2 .3 .4  
200. \* .2 .7 .1.1 .8 .3 .1 .0 .2 .1.2 .1.4 .4 .8 .1.2 .1.1 .0 .0 .0 .2 .2 .3  
205. \* .2 .8 .1.1 .8 .3 .1 .0 .3 .1.2 .1.3 .4 .1.0 .1.3 .9 .0 .0 .0 .1 .2 .2

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR) \* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* .2 .8 .1.1 .7 .3 .1 .0 .3 .1.1 .1.3 .3 .1.1 .1.3 .9 .0 .0 .0 .1 .2 .2  
215. \* .2 .9 .1.0 .7 .3 .1 .1 .3 .1.1 .1.2 .3 .1.1 .1.3 .8 .0 .0 .0 .0 .2 .2  
220. \* .3 .8 .1.0 .7 .2 .1 .1 .4 .1.1 .1.1 .4 .1.2 .1.1 .8 .0 .0 .0 .0 .2 .2  
225. \* .3 .8 .1.0 .7 .2 .1 .1 .5 .1.2 .1.0 .4 .1.1 .1.1 .8 .0 .0 .0 .0 .0 .1  
230. \* .3 .8 .1.0 .6 .2 .1 .1 .5 .1.1 .1.1 .3 .1.2 .1.3 .7 .0 .0 .0 .0 .0 .0  
235. \* .4 .8 .1.0 .7 .2 .1 .1 .6 .1.1 .1.0 .3 .1.2 .1.2 .9 .0 .0 .0 .0 .0 .0  
240. \* .4 .8 .1.0 .7 .2 .1 .1 .7 .1.1 .8 .4 .1.2 .1.2 .9 .0 .0 .0 .0 .0 .0  
245. \* .5 .8 .1.0 .6 .2 .1 .1 .8 .1.2 .7 .4 .1.2 .1.1 .9 .0 .0 .0 .0 .0 .0  
250. \* .5 .8 .1.0 .6 .2 .1 .1 .9 .1.1 .6 .4 .1.2 .1.1 .9 .0 .0 .0 .0 .0 .0  
255. \* .6 .8 .1.0 .6 .1 .1 .1 .1.0 .1.0 .6 .3 .1.2 .1.2 .8 .0 .0 .0 .0 .0 .0  
260. \* .6 .9 .1.0 .7 .2 .1 .1 .9 .1.0 .6 .4 .1.3 .1.1 .8 .0 .0 .0 .0 .0 .0  
265. \* .7 .9 .1.0 .7 .2 .3 .3 .9 .9 .5 .5 .1.3 .1.1 .7 .0 .0 .0 .0 .0 .0  
270. \* .7 .9 .1.0 .5 .3 .4 .3 .8 .7 .5 .6 .1.3 .1.1 .6 .0 .0 .0 .0 .0 .0  
275. \* .7 .9 .1.0 .5 .3 .4 .3 .7 .6 .7 .6 .1.3 .1.1 .6 .0 .0 .0 .0 .0 .0  
280. \* .8 .1.0 .1.0 .5 .3 .5 .3 .6 .6 .6 .6 .1.2 .1.0 .5 .0 .0 .0 .0 .0 .0  
285. \* .9 .1.0 .1.1 .4 .5 .6 .5 .6 .5 .5 .9 .1.2 .1.0 .5 .0 .0 .0 .0 .0 .0  
290. \* .9 .1.1 .1.2 .4 .5 .7 .5 .4 .4 .5 .1.0 .1.4 .1.0 .5 .0 .0 .0 .0 .0 .0  
295. \* .1.0 .1.1 .1.2 .3 .8 .8 .5 .3 .4 .5 .1.1 .1.2 .1.0 .5 .0 .0 .0 .0 .0 .0  
300. \* .1.1 .1.3 .1.2 .3 .9 .8 .5 .3 .3 .6 .1.1 .1.1 .1.0 .5 .0 .0 .0 .0 .0 .0  
305. \* .1.1 .1.3 .1.3 .3 .9 .8 .4 .2 .3 .6 .1.1 .1.2 .1.0 .5 .0 .0 .0 .0 .0 .0  
310. \* .1.2 .1.3 .1.2 .4 .9 .6 .4 .1 .2 .5 .1.1 .1.2 .8 .6 .0 .0 .0 .0 .0 .0  
315. \* .1.2 .1.3 .1.4 .6 .1.0 .6 .2 .0 .1 .4 .1.1 .1.1 .8 .5 .0 .0 .0 .0 .0 .0  
320. \* .1.2 .1.5 .1.0 .6 .9 .4 .2 .0 .1 .4 .1.1 .1.0 .7 .4 .0 .0 .1 .0 .0 .0  
325. \* .1.2 .1.3 .8 .5 .7 .2 .2 .0 .0 .1 .1.0 .9 .5 .5 .0 .1 .1 .0 .0 .0  
330. \* .1.2 .1.0 .7 .5 .6 .2 .1 .0 .0 .1 .9 .7 .5 .5 .2 .2 .4 .1 .0 .0  
335. \* .8 .9 .7 .3 .6 .2 .1 .0 .0 .1 .6 .4 .4 .4 .2 .3 .4 .1 .0 .0  
340. \* .7 .6 .5 .4 .6 .1 .1 .0 .0 .0 .6 .3 .3 .4 .2 .3 .5 .1 .0 .0  
345. \* .5 .6 .3 .4 .6 .1 .1 .0 .0 .0 .3 .3 .2 .4 .3 .4 .7 .2 .1 .0  
350. \* .3 .3 .2 .3 .6 .1 .1 .0 .0 .0 .2 .3 .2 .3 .2 .5 .7 .3 .1 .0  
355. \* .2 .1 .2 .4 .6 .1 .1 .0 .0 .0 .1 .1 .2 .3 .3 .5 .8 .4 .1 .1  
360. \* .1 .1 .2 .4 .6 .1 .1 .0 .0 .0 .0 .0 .1 .3 .3 .7 .8 .5 .1 .1

MAX \* 1.2 1.5 1.4 .8 1.0 .8 .5 1.0 1.2 1.5 1.1 1.4 1.3 1.2 1.0 1.2 1.2 .8 .7 .8  
DEGR. \* 310 320 315 185 315 295 285 255 195 185 295 290 205 185 70 90 50 30 105 75

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.2	1.0	.9	.6	.8	1.2	
5.	*	.1	.2	.2	1.1	.8	.5	1.0	1.1	
10.	*	.1	.2	.2	1.1	.8	.7	.9	1.1	
15.	*	.1	.2	.3	1.1	.5	.7	1.0	1.2	
20.	*	.1	.3	.3	1.1	.4	.6	1.0	1.1	
25.	*	.1	.2	.3	1.1	.4	.7	1.1	1.1	
30.	*	.1	.2	.5	1.1	.3	.7	1.0	1.0	
35.	*	.2	.2	.5	1.0	.3	.9	.9	1.0	
40.	*	.3	.2	.6	.7	.4	.9	.9	.9	
45.	*	.4	.2	.5	.7	.4	.9	.9	.9	
50.	*	.5	.2	.5	.6	.4	1.0	1.0	.9	
55.	*	.6	.2	.5	.6	.5	1.0	1.0	.9	
60.	*	.6	.3	.5	.7	.5	1.0	.9	.8	
65.	*	.6	.3	.5	.6	.6	.9	.9	.8	
70.	*	.7	.3	.5	.6	.6	.9	.9	.8	
75.	*	.7	.3	.4	.6	.6	.9	.9	.8	
80.	*	.7	.3	.4	.5	.6	.8	.9	.8	
85.	*	.6	.3	.4	.4	.6	.8	.9	.8	
90.	*	.6	.2	.4	.5	.6	.8	.9	.8	
95.	*	.5	.1	.3	.5	.6	.8	.9	.8	
100.	*	.5	.1	.2	.5	.6	.9	.9	.8	
105.	*	.5	.1	.3	.5	.7	.9	.9	.8	
110.	*	.6	.1	.3	.5	.7	.9	.8	.8	
115.	*	.6	.1	.2	.5	.8	1.0	.9	.7	
120.	*	.5	.1	.2	.5	.8	1.1	1.0	.8	
125.	*	.5	.0	.2	.5	.9	1.1	.9	.7	
130.	*	.4	.0	.2	.4	.9	1.0	.9	.7	
135.	*	.4	.0	.2	.3	.9	.9	.8	.6	
140.	*	.4	.0	.1	.2	.9	.8	.9	.6	
145.	*	.4	.0	.0	.2	.8	.9	.9	.5	
150.	*	.3	.0	.0	.1	.8	.8	.8	.4	
155.	*	.3	.0	.0	.1	.7	.7	.5	.4	
160.	*	.3	.0	.0	.0	.5	.4	.5	.4	
165.	*	.3	.0	.0	.0	.3	.3	.2	.2	
170.	*	.3	.0	.0	.0	.1	.2	.2	.2	
175.	*	.4	.0	.0	.0	.1	.1	.1	.1	
180.	*	.4	.0	.0	.0	.1	.1	.1	.1	
185.	*	.4	.0	.0	.0	.0	.1	.1	.1	
190.	*	.5	.0	.0	.0	.0	.0	.0	.0	
195.	*	.4	.0	.0	.0	.0	.0	.0	.0	
200.	*	.3	.0	.0	.0	.0	.0	.0	.0	
205.	*	.3	.0	.0	.0	.0	.0	.0	.0	

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0
255.	*	.0	.1	.0	.0	.1	.0	.0	.0	.0
260.	*	.0	.1	.0	.0	.2	.0	.0	.0	.0
265.	*	.0	.1	.0	.0	.3	.0	.0	.0	.0
270.	*	.0	.1	.0	.1	.4	.0	.0	.0	.0
275.	*	.0	.1	.0	.1	.5	.0	.0	.0	.0
280.	*	.0	.0	.0	.2	.7	.0	.0	.0	.0
285.	*	.0	.0	.0	.4	.8	.1	.0	.0	.0
290.	*	.0	.0	.1	.4	.8	.1	.0	.0	.0
295.	*	.0	.0	.1	.5	.8	.1	.0	.0	.0
300.	*	.0	.0	.1	.5	.8	.3	.1	.0	.0
305.	*	.0	.0	.1	.6	.8	.3	.1	.0	.0
310.	*	.0	.1	.1	.6	.7	.3	.2	.1	.1
315.	*	.0	.2	.1	.6	.8	.5	.2	.2	.2
320.	*	.0	.2	.1	.7	.8	.5	.2	.2	.2
325.	*	.0	.2	.1	.7	.7	.4	.3	.2	.2
330.	*	.0	.2	.1	.7	1.2	.5	.5	.4	.4
335.	*	.0	.2	.1	.9	1.1	.7	.5	.6	.6
340.	*	.0	.2	.2	.9	1.0	.7	.6	.8	.8
345.	*	.0	.2	.2	.8	1.0	.8	.8	.9	.9
350.	*	.0	.3	.3	.8	.9	.9	.8	.8	.8
355.	*	.0	.3	.3	.8	.9	.7	.8	.9	.9
360.	*	.0	.2	.2	1.0	.9	.6	.8	1.2	1.2
MAX	*	.7	.3	.6	1.1	1.2	1.1	1.1	1.2	1.2
DEGR.	*	70	20	40	5	330	120	25	0	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 320 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 185 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 315 DEGREES FROM REC3 .

PurpleLine S11 HighBRT 2015PM				60.0321.0.0000.000280.30480000	1	1					
SE MID S	1807.	2472.	5.0								
SE 164 S	1777.	2550.	5.0								
SE 82 S	1748.	2626.	5.0								
SE CNR	1744.	2727.	5.0								
SE 82 E	1841.	2753.	5.0								
SE 164 E	1923.	2749.	5.0								
SE MID E	2005.	2746.	5.0								
NE MID E	1900.	2822.	5.0								
NE 164 E	1818.	2830.	5.0								
NE 82 E	1736.	2835.	5.0								
NE CNR	1659.	2853.	5.0								
NE 82 N	1632.	2920.	5.0								
NE 164 N	1599.	2996.	5.0								
NE MID N	1574.	3075.	5.0								
NW MID N	1211.	3354.	5.0								
NW 164 N	1254.	3283.	5.0								
NW 82 N	1294.	3212.	5.0								
NW CNR	1303.	3104.	5.0								
NW 82 W	1275.	3005.	5.0								
NW 164 W	1231.	2935.	5.0								
NW MID W	1180.	2872.	5.0								
SW MID W	1347.	2691.	5.0								
SW 164 W	1427.	2712.	5.0								
SW 82 W	1510.	2728.	5.0								
SW CNR	1592.	2741.	5.0								
SW 82 S	1623.	2669.	5.0								
SW 164 S	1655.	2594.	5.0								
SW MID S	1686.	2517.	5.0								
PurpleLine S11 HighBRT 2015PM				69	1	0					
1											
0	ADnbAP	AG	2094.	1673.	1803.	2404.	1995	5.0	0	44	30.
1											
0	ADnbT	AG	1797.	2401.	1636.	2800.	1555	5.0	0	56	30.
2											
0	ADnbTQ	AG	1661.	2738.	1786.	2427.	0.	36	3		
248		158	2.0	1555	37.8	1695	1	3			
1											
0	ADnbR	AG	1815.	2410.	1711.	2675.	220	5.0	0	32	30.
2											
0	ADnbRQ	AG	1714.	2669.	1804.	2439.	0.	12	1		
248		158	2.0	220	37.8	1583	1	3			
1											
0	ADnbR	AG	1711.	2675.	1722.	2740.	220	5.0	0	32	30.
1											
0	ADnbR	AG	1722.	2740.	1789.	2778.	220	5.0	0	32	30.
1											
0	ADnbL	AG	1772.	2400.	1616.	2796.	220	5.0	0	32	30.
2											
0	ADnbLQ	AG	1642.	2729.	1765.	2418.	0.	12	1		
248		214	2.0	220	37.8	1770	1	3			
1											
0	ADnb2	AG	1639.	2803.	1570.	2969.	1945	5.0	0	56	30.
1											
0	ADnbT2	AG	1571.	2968.	1458.	3168.	1290	5.0	0	56	30.
2											
0	ADnbT2Q	AG	1514.	3070.	1570.	2970.	0.	36	3		
248		172	2.0	1290	37.8	1695	1	3			
1											
0	ADnbR2	AG	1592.	2972.	1555.	3064.	655	5.0	0	32	30.
1											
0	ADnbR2	AG	1555.	3064.	1551.	3156.	655	5.0	0	32	30.
1											
0	ADnbR2	AG	1551.	3156.	1615.	3374.	655	5.0	0	32	30.
1											
0	ADnbD	AG	1460.	3169.	1201.	3572.	1720	5.0	0	56	30.
1											
0	ADnbD	AG	1201.	3572.	1110.	3763.	1720	5.0	0	44	30.
1											
0	ADsbAP	AG	1082.	3641.	1177.	3472.	1260	3.6	0	68	30.
1											
0	ADsbT	AG	1177.	3473.	1422.	3106.	970	3.6	0	56	30.
2											
0	ADsbTQ	AG	1372.	3181.	1203.	3435.	0.	36	3		
248		146	2.0	970	37.8	1695	1	3			
1											
0	ADsbR	AG	1177.	3439.	1306.	3233.	170	3.6	0	32	30.
2											
0	ADsbRQ	AG	1303.	3238.	1182.	3431.	0.	12	1		
248		146	2.0	170	37.8	1583	1	3			
1											
0	ADsbR	AG	1306.	3233.	1327.	3131.	170	3.6	0	32	30.
1											
0	ADsbR	AG	1327.	3131.	1296.	3001.	170	3.6	0	32	30.
1											
0	ADsbR	AG	1296.	3001.	1249.	2911.	170	3.6	0	32	30.
1											
0	ADsbL	AG	1228.	3446.	1435.	3128.	120	3.6	0	32	30.
2											
0	ADsbLQ	AG	1388.	3200.	1240.	3427.	0.	12	1		
248		214	2.0	120	37.8	1770	1	3			
1											
0	ADsb2	AG	1422.	3107.	1495.	2999.	1380	3.6	0	56	30.
1											
0	ADsbT2	AG	1483.	2997.	1593.	2797.	1140	3.6	0	44	30.



0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		248	145	2.0	1140	37.8	1770	1 3					
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		248	200	2.0	240	37.8	1717	1 3					
0	1	ADsblD	AG	1595.	2795.	1972.	1867.		1660	3.6	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		2070	4.1	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		2070	4.1	0	44	30.
0	1	CMebTTR	AG	1101.	2645.	1270.	2700.		535	4.1	0	56	30.
0	1	CMebTTR	AG	1270.	2700.	1462.	2755.		535	4.1	0	56	30.
0	1	CMebTTR	AG	1462.	2755.	1634.	2777.		535	4.1	0	56	30.
0	2	CMebTTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		248	195	2.0	535	37.8	1723	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		455	4.1	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		675	4.1	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		1085	4.1	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		248	185	2.0	1085	37.8	1691	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		715	4.1	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		715	4.1	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		715	4.1	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1535	3.5	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		248	108	2.0	1535	37.8	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1535	3.5	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		1425	3.5	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		248	141	2.0	1425	37.8	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		110	3.5	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		248	185	2.0	110	37.8	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2200	3.5	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2200	3.5	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		1805	3.5	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1070	3.5	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		248	162	2.0	1070	37.8	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		320	3.5	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		248	162	2.0	320	37.8	1583	1 3					
0	1	193wbR	AG</										

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SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	* 2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1995.	5.0	.0	44.0	
2. 0	ADnbT	* 1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1555.	5.0	.0	56.0	
3. 0	ADnbTQ	* 1661.0	2738.0	1836.0	2302.7	*	469.	158. AG	194.	100.0	.0	36.0	.88 23.8
4. 0	ADnbR	* 1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	220.	5.0	.0	32.0	
5. 0	ADnbRQ	* 1714.0	2669.0	1783.3	2492.0	*	190.	159. AG	65.	100.0	.0	12.0	.40 9.7
6. 0	ADnbR	* 1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	220.	5.0	.0	32.0	
7. 0	ADnbR	* 1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	220.	5.0	.0	32.0	
8. 0	ADnbL	* 1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	5.0	.0	32.0	
9. 0	ADnbLQ	* 1642.0	2729.0	1785.0	2367.3	*	389.	158. AG	87.	100.0	.0	12.0	1.03 19.8
10. 0	ADnb2	* 1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1945.	5.0	.0	56.0	
11. 0	ADnbT2	* 1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1290.	5.0	.0	56.0	
12. 0	ADnbT2Q	* 1514.0	3070.0	1721.9	2698.7	*	426.	151. AG	211.	100.0	.0	36.0	.87 21.6
13. 0	ADnbR2	* 1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	655.	5.0	.0	32.0	
14. 0	ADnbR2	* 1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	655.	5.0	.0	32.0	
15. 0	ADnbR2	* 1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	655.	5.0	.0	32.0	
16. 0	ADnbD	* 1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1720.	5.0	.0	56.0	
17. 0	ADnbD	* 1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1720.	5.0	.0	44.0	
18. 0	ADsbAP	* 1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1260.	3.6	.0	68.0	
19. 0	ADsbT	* 1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	970.	3.6	.0	56.0	
20. 0	ADsbTQ	* 1372.0	3181.0	1229.2	3395.7	*	258.	326. AG	179.	100.0	.0	36.0	.48 13.1
21. 0	ADsbR	* 1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	170.	3.6	.0	32.0	
22. 0	ADsbRQ	* 1303.0	3238.0	1230.9	3353.0	*	136.	328. AG	60.	100.0	.0	12.0	.27 6.9
23. 0	ADsbR	* 1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	170.	3.6	.0	32.0	
24. 0	ADsbR	* 1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	170.	3.6	.0	32.0	
25. 0	ADsbR	* 1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	170.	3.6	.0	32.0	
26. 0	ADsbL	* 1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	120.	3.6	.0	32.0	
27. 0	ADsbLQ	* 1388.0	3200.0	1311.3	3317.6	*	140.	327. AG	87.	100.0	.0	12.0	.56 7.1
28. 0	ADsb2	* 1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1380.	3.6	.0	56.0	
29. 0	ADsbT2	* 1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1140.	3.6	.0	44.0	
30. 0	ADsbT2Q	* 1564.0	2850.0	1345.3	3245.5	*	452.	331. AG	119.	100.0	.0	24.0	.81 23.0
31. 0	ADsbL2	* 1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	* 1586.0	2854.0	1522.6	2968.9	*	131.	331. AG	164.	100.0	.0	24.0	.39 6.7
33. 0	ADsbD	* 1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1660.	3.6	.0	44.0	
34. 0	193ebAP	* 683.0	2476.0	956.0	2578.0	*	291.	70. AG	2070.	4.1	.0	44.0	
35. 0	193ebAP	* 956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2070.	4.1	.0	44.0	
36. 0	CMebTR	* 1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	535.	4.1	.0	56.0	
37. 0	CMebTR	* 1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	535.	4.1	.0	56.0	
38. 0	CMebTR	* 1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	535.	4.1	.0	56.0	
39. 0	CMebTRq	* 1583.0	2770.0	1394.7	2746.5	*	190.	263. AG	239.	100.0	.0	36.0	.52 9.6
40. 0	CMebD1	* 1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	455.	4.1	.0	44.0	
41. 0	CMebD2	* 1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	675.	4.1	.0	44.0	
42. 0	CMwbAP	* 2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1085.	4.1	.0	56.0	
43. 0	CMwbQ	* 1698.0	2811.0	2094.7	2788.4	*	397.	93. AG	227.	100.0	.0	36.0	.90 20.2
44. 0	CMwbD	* 1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	715.	4.1	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	* 1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	715.	4.1	.0	44.0	
46. 0	CMwbD	* 1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	715.	4.1	.0	44.0	
47. 0	193ebL	* 1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1535.	3.5	.0	44.0	
48. 0	193ebLQ	* 1173.0	2719.0	805.1	2454.7	*	453.	234. AG	88.	100.0	.0	24.0	.82 23.0
49. 0	193ebAP	* 1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1535.	3.5	.0	44.0	
50. 0	193ebTR	* 1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1425.	3.5	.0	44.0	
51. 0	193ebT	* 1436.0	3012.0	1068.7	2493.2	*	636.	215. AG	115.	100.0	.0	24.0	.97 32.3
52. 0	193ebL	* 1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	110.	3.5	.0	32.0	
53. 0	193ebL	* 1423.0	3021.0	1357.6	2931.0	*	111.	216. AG	76.	100.0	.0	12.0	.26 5.7
54. 0	193ebD	* 1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2200.	3.5	.0	44.0	
55. 0	193ebD	* 1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2200.	3.5	.0	44.0	
56. 0	193wbA	* 1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	1805.	3.5	.0	68.0	
57. 0	193wbT	* 1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1070.	3.5	.0	44.0	
58. 0	193wbT	* 1455.0	3256.0	1604.5	3746.5	*	513.	17. AG	132.	100.0	.0	24.0	.91 26.1
59. 0	193wbR	* 1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	320.	3.5	.0	32.0	
60. 0	193wbR	* 1454.0	3346.0	1544.1	3614.8	*	283.	19. AG	66.	100.0	.0	12.0	.61 14.4
61. 0	193wbR	* 1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	320.	3.5	.0	32.0	
62. 0	193wbL	* 1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	415.	3.5	.0	44.0	
63. 0	193wbL	* 1472.0	3236.0	1558.0	3519.0	*	296.	17. AG	174.	100.0	.0	24.0	.97 15.0
64. 0	193wbD	* 1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1235.	3.5	.0	44.0	
65. 0	193wbD	* 1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1235.	3.5	.0	44.0	
66. 0	193wbQ	* 1154.0	2794.0	1400.3	3062.5	*	364.	43. AG	88.	100.0	.0	24.0	.81 18.5
67. 0	193wbD1	* 1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1235.	3.5	.0	44.0	
68. 0	193wbD1	* 1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1950.	3.5	.0	44.0	
69. 0	193wbD1	* 850.0	2582.0	673.0	2513.0	*	190.	249. AG	1950.	3.5	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	248	158	2.0	1555	1695	37.80	1	3
5. 0	ADnbRQ	248	158	2.0	220	1583	37.80	1	3
9. 0	ADnbLQ	248	214	2.0	220	1770	37.80	1	3
12. 0	ADnbT2Q	248	172	2.0	1290	1695	37.80	1	3
20. 0	ADsbTQ	248	146	2.0	970	1695	37.80	1	3
22. 0	ADsbRQ	248	146	2.0	170	1583	37.80	1	3
27. 0	ADsbLQ	248	214	2.0	120	1770	37.80	1	3
30. 0	ADsbT2Q	248	145	2.0	1140	1770	37.80	1	3
32. 0	ADsbL2Q	248	200	2.0	240	1717	37.80	1	3
39. 0	CMebTRq	248	195	2.0	535	1723	37.80	1	3
43. 0	CMwbQ	248	185	2.0	1085	1691	37.80	1	3
48. 0	193ebLQ	248	108	2.0	1535	1717	37.80	1	3
51. 0	193ebT	248	141	2.0	1425	1770	37.80	1	3
53. 0	193ebL	248	185	2.0	110	1770	37.80	1	3
58. 0	193wbT	248	162	2.0	1070	1770	37.80	1	3
60. 0	193wbR	248	162	2.0	320	1583	37.80	1	3
63. 0	193wbL	248	213	2.0	415	1717	37.80	1	3
66. 0	193wbQ	248	108	2.0	1235	1394	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
28. SW MID S	*	1686.0	2517.0	5.0	*

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	* * *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	*	.1	.2	.4	.4	.7	.7	.7	.0	.0	.0	.1	.1	.3	.5	.3	.8	.7	.4	.2	.1
5. *	*	.1	.1	.3	.4	.7	.7	.7	.0	.0	.0	.1	.1	.1	.4	.3	.8	.7	.4	.2	.1
10. *	*	.1	.2	.3	.4	.7	.7	.7	.0	.0	.0	.1	.0	.1	.1	.3	.8	.8	.5	.2	.2

15. \* .1 .2 .2 .4 .7 .7 .7 .0 .0 .0 .1 .0 .0 .1 .4 .8 .8 .7 .3 .2  
20. \* .1 .2 .2 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .1 .4 .8 .8 .7 .5 .3  
25. \* .1 .2 .2 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .4 .8 .9 .8 .5 .5  
30. \* .1 .2 .2 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .5 .8 .8 .8 .5 .4  
35. \* .1 .1 .2 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .5 .9 .9 .8 .7 .4  
40. \* .1 .1 .2 .5 .7 .7 .7 .0 .0 .0 .0 .0 .0 .6 .9 .9 .7 .5 .4  
45. \* .1 .1 .2 .5 .7 .7 .7 .0 .0 .0 .0 .0 .0 .6 .9 .9 .7 .3 .3  
50. \* .0 .1 .2 .5 .7 .7 .6 .0 .0 .0 .0 .0 .0 .7 .1 .1 .7 .2 .3  
55. \* .0 .1 .2 .5 .7 .7 .6 .0 .0 .0 .0 .0 .0 .7 .1 .1 .5 .3 .4  
60. \* .0 .1 .2 .6 .7 .7 .6 .1 .0 .0 .0 .0 .0 .7 .1 .1 .4 .4 .4  
65. \* .0 .0 .1 .6 .7 .7 .5 .2 .0 .0 .0 .0 .0 .8 .1 .1 .3 .3 .6  
70. \* .0 .0 .1 .5 .7 .6 .5 .2 .2 .2 .0 .0 .0 .8 .1 .1 .3 .4 .8  
75. \* .0 .0 .1 .5 .8 .7 .5 .3 .2 .2 .1 .0 .0 .8 .1 .1 .3 .4 .8  
80. \* .0 .0 .0 .5 .7 .6 .4 .4 .3 .3 .1 .0 .0 .8 .1 .1 .4 .4 .7  
85. \* .0 .0 .0 .4 .6 .5 .4 .6 .6 .6 .3 .0 .0 .1 .1 .1 .4 .7 .7  
90. \* .0 .0 .0 .3 .4 .4 .3 .8 .7 .7 .4 .1 .0 .1 .1 .1 .9 .5 .7 .9  
95. \* .0 .0 .0 .1 .4 .3 .2 .1 .0 .1 .0 .5 .1 .0 .1 .1 .9 .4 .9 .9  
100. \* .0 .0 .0 .0 .3 .3 .2 .1 .1 .1 .1 .7 .2 .0 .1 .1 .7 .5 .1 .8  
105. \* .0 .0 .0 .0 .2 .1 .1 .1 .4 .1 .2 .9 .3 .1 .0 .1 .1 .8 .6 .1 .8  
110. \* .0 .0 .0 .0 .1 .1 .1 .1 .4 .1 .3 .3 .9 .4 .1 .0 .1 .1 .7 .1 .7  
115. \* .0 .0 .0 .0 .0 .0 .0 .0 .3 .1 .2 .3 .9 .4 .1 .1 .1 .0 .9 .6 .8  
120. \* .0 .0 .0 .0 .0 .0 .0 .0 .3 .1 .2 .2 .8 .4 .3 .1 .1 .1 .8 .7 .8  
125. \* .0 .0 .0 .0 .0 .0 .0 .0 .3 .1 .2 .1 .8 .4 .3 .1 .1 .3 .7 .7 .6  
130. \* .0 .0 .0 .0 .0 .0 .0 .0 .2 .1 .2 .1 .7 .5 .3 .1 .1 .3 .9 .8 .6  
135. \* .0 .0 .0 .0 .0 .0 .0 .0 .2 .1 .1 .0 .7 .5 .3 .1 .1 .1 .9 .7 .7  
140. \* .1 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .0 .8 .5 .3 .2 .8 .8 .4 .7 .7  
145. \* .2 .2 .2 .0 .0 .0 .0 .1 .1 .1 .9 .1 .7 .5 .2 .7 .6 .3 .6 .5 .6  
150. \* .3 .3 .5 .1 .0 .0 .0 .1 .1 .9 .8 .1 .2 .9 .7 .5 .6 .4 .4 .5 .5  
155. \* .4 .4 .5 .2 .0 .0 .0 .9 .9 .9 .1 .5 .1 .2 .9 .8 .3 .2 .5 .4 .5  
160. \* .7 .8 .9 .4 .0 .0 .0 .9 .9 .9 .1 .9 .1 .5 .1 .3 .1 .0 .2 .3 .4 .5  
165. \* .8 .1 .1 .2 .6 .1 .0 .0 .9 .1 .0 .1 .1 .2 .0 .6 .1 .3 .1 .1 .3 .4 .5  
170. \* .9 .1 .2 .3 .7 .1 .1 .0 .1 .0 .1 .1 .4 .1 .9 .6 .1 .3 .1 .2 .2 .3 .4 .5  
175. \* .1 .0 .2 .5 .8 .2 .1 .0 .1 .0 .1 .1 .5 .1 .9 .6 .1 .4 .1 .2 .2 .3 .5 .5  
180. \* .9 .1 .4 .5 .7 .2 .1 .1 .1 .1 .1 .1 .5 .1 .8 .6 .1 .5 .1 .2 .1 .2 .3 .5 .5  
185. \* .1 .0 .4 .4 .1 .0 .3 .2 .1 .1 .2 .1 .3 .1 .6 .1 .7 .4 .1 .2 .1 .0 .2 .4 .4  
190. \* .1 .1 .4 .4 .1 .0 .4 .2 .1 .1 .0 .1 .2 .1 .6 .1 .6 .4 .1 .4 .1 .0 .2 .2 .4 .4  
195. \* .1 .1 .4 .4 .1 .0 .4 .2 .1 .1 .0 .1 .2 .1 .7 .1 .4 .1 .2 .1 .5 .1 .2 .0 .2 .4 .4  
200. \* .1 .1 .2 .2 .1 .0 .4 .1 .2 .1 .0 .1 .3 .1 .6 .1 .4 .1 .1 .1 .5 .1 .0 .0 .0 .2 .4 .5  
205. \* .9 .1 .1 .1 .1 .0 .5 .1 .1 .1 .1 .1 .4 .1 .5 .1 .4 .1 .2 .1 .3 .9 .0 .0 .0 .2 .3 .5

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR) \* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* .9 1.1 1.1 .9 .5 .2 .1 1.1 1.4 1.5 1.3 1.2 1.4 1.0 .0 .0 .0 .1 .3 .3  
215. \* .9 1.1 1.1 .9 .5 .2 .1 1.3 1.3 1.3 1.3 1.3 1.4 .9 .0 .0 .0 .0 .3 .3  
220. \* .9 1.1 1.1 .9 .5 .2 .1 1.3 1.3 1.4 1.3 1.4 1.5 .8 .0 .0 .0 .0 .1 .3  
225. \* .9 1.1 1.1 1.0 .5 .2 .1 1.3 1.4 1.4 1.3 1.5 1.4 .8 .0 .0 .0 .0 .0 .0  
230. \* .9 1.1 1.1 1.0 .3 .2 .1 1.5 1.4 1.5 1.4 1.5 1.3 1.0 .0 .0 .0 .0 .0 .0  
235. \* .9 1.1 1.1 1.1 .4 .2 .1 1.5 1.4 1.3 1.4 1.5 1.3 1.2 .0 .0 .0 .0 .0 .0  
240. \* .9 1.1 1.1 1.1 .4 .2 .2 1.5 1.5 1.3 1.4 1.5 1.3 1.2 .0 .0 .0 .0 .0 .0  
245. \* .9 1.1 1.1 1.1 .4 .2 .2 1.5 1.5 1.2 1.6 1.5 1.2 1.1 .0 .0 .0 .0 .0 .0  
250. \* .9 1.1 1.1 1.1 .3 .3 .2 1.6 1.4 1.3 1.6 1.4 1.3 1.0 .0 .0 .0 .0 .0 .0  
255. \* .9 1.1 1.1 1.3 .5 .3 .1 1.5 1.3 1.2 1.6 1.4 1.2 1.0 .0 .0 .0 .0 .0 .0  
260. \* .9 1.1 1.1 1.3 .5 .4 .4 1.5 1.3 1.2 1.6 1.4 1.3 1.0 .0 .0 .0 .0 .0 .0  
265. \* .9 1.1 1.1 1.2 .5 .6 .5 1.4 1.3 1.0 1.5 1.4 1.2 .8 .0 .0 .0 .0 .0 .0  
270. \* .9 1.1 1.1 1.3 .7 .5 .7 1.3 1.2 1.0 1.4 1.5 1.2 .7 .0 .0 .0 .0 .0 .0  
275. \* .9 1.1 1.1 1.3 .7 .7 .7 1.2 1.0 1.0 1.6 1.5 1.2 .7 .0 .0 .0 .0 .0 .0  
280. \* .9 1.1 1.2 1.2 .7 .8 .8 1.0 .8 .9 1.6 1.4 1.0 .6 .0 .0 .0 .0 .0 .0  
285. \* .9 1.1 1.2 1.2 .8 .9 .7 .8 .8 .9 1.6 1.6 1.1 .6 .0 .0 .0 .0 .0 .0  
290. \* .1 .0 .2 1.2 1.1 1.1 .8 .8 .6 .7 .8 1.8 1.5 1.0 .5 .0 .0 .0 .0 .0  
295. \* .1 .2 1.3 1.2 1.1 1.2 1.0 .9 .4 .7 .7 1.8 1.4 1.0 .5 .0 .0 .0 .0 .0  
300. \* .1 .4 1.4 1.3 1.1 1.1 1.0 .9 .4 .4 .7 1.8 1.3 1.1 .6 .0 .0 .0 .0 .0  
305. \* .1 .4 1.5 1.4 1.2 1.2 .9 .9 .2 .3 .6 1.8 1.3 1.1 .6 .0 .0 .0 .0 .0  
310. \* .1 .4 1.6 1.4 1.2 1.1 .8 .9 .1 .2 .6 1.7 1.2 1.1 .6 .0 .0 .0 .0 .0  
315. \* .1 .5 1.6 1.5 1.3 1.0 .8 .8 .0 .1 .7 1.9 1.3 1.0 .5 .0 .0 .0 .0 .0  
320. \* .1 .6 1.7 1.6 1.2 .8 .7 .7 .0 .1 .3 1.7 1.2 .9 .6 .0 .0 .1 .0 .0  
325. \* .1 .5 1.7 1.3 1.1 .8 .7 .7 .0 .0 .1 1.6 1.0 .8 .6 .0 .1 .2 .0 .0  
330. \* .1 .6 1.4 1.3 1.0 .7 .7 .7 .0 .0 .1 1.3 .8 .6 .5 .2 .3 .4 .0 .0  
335. \* .1 .2 1.0 1.3 .7 .7 .7 .0 .0 .1 1.0 .7 .7 .5 .2 .4 .4 .1 .0 .0  
340. \* .1 .0 .9 .9 .5 .7 .7 .7 .0 .0 .2 .9 .5 .5 .4 .2 .4 .6 .1 .0 .0  
345. \* .7 .6 .7 .5 .7 .7 .7 .0 .0 .0 .6 .3 .4 .5 .3 .6 .6 .3 .1 .0  
350. \* .5 .6 .4 .5 .7 .7 .7 .0 .0 .0 .4 .4 .4 .5 .3 .6 .7 .4 .1 .0  
355. \* .4 .2 .3 .4 .7 .7 .7 .0 .0 .0 .2 .3 .6 .4 .8 .7 .4 .1 .1 .1  
360. \* .1 .2 .4 .4 .7 .7 .7 .0 .0 .0 .1 .1 .3 .5 .3 .8 .7 .4 .2 .1

MAX \* 1.6 1.7 1.6 1.3 1.2 1.0 .9 1.6 1.5 1.7 2.0 1.6 1.5 1.2 1.3 1.2 1.1 .9 1.1 .9  
DEGR. \* 320 320 320 255 295 295 295 250 240 195 165 170 180 235 125 125 50 130 100 90

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MODEL RESULTS  
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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.  
WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.9	1.1	1.2	.8	1.2	1.3	
5.	*	.1	.3	.8	1.1	1.1	.8	1.3	1.4	
10.	*	.1	.3	.9	1.3	1.1	1.0	1.3	1.3	
15.	*	.1	.3	.9	1.3	.9	1.0	1.3	1.3	
20.	*	.1	.5	1.0	1.4	.9	1.0	1.4	1.4	
25.	*	.2	.4	1.0	1.4	.9	1.2	1.3	1.2	
30.	*	.3	.4	1.0	1.2	.9	1.2	1.4	1.2	
35.	*	.4	.5	1.1	1.2	.9	1.3	1.2	1.2	
40.	*	.3	.7	1.1	1.1	1.0	1.4	1.2	1.1	
45.	*	.4	.7	1.0	1.0	1.0	1.4	1.2	1.1	
50.	*	.5	.7	1.0	1.0	.9	1.4	1.1	1.1	
55.	*	.4	.6	.8	1.2	.9	1.3	1.2	1.1	
60.	*	.6	.7	.9	1.2	.9	1.3	1.1	1.1	
65.	*	.6	.7	.8	1.2	1.1	1.3	1.1	1.0	
70.	*	.7	.7	.8	1.1	1.1	1.4	1.1	1.0	
75.	*	.6	.6	.8	1.0	1.2	1.3	1.1	1.0	
80.	*	.6	.5	.9	1.0	1.2	1.2	1.0	1.0	
85.	*	.6	.5	.7	.9	1.2	1.1	1.0	1.0	
90.	*	.6	.4	.6	.7	1.2	.9	1.0	1.0	
95.	*	.7	.4	.6	.5	1.0	.9	1.0	.9	
100.	*	.8	.2	.3	.7	1.0	.9	1.0	.9	
105.	*	.8	.2	.3	.6	1.0	1.0	1.1	1.0	
110.	*	.8	.1	.4	.5	1.0	1.1	1.1	1.0	
115.	*	.7	.1	.5	.5	.9	1.1	1.1	1.0	
120.	*	.7	.1	.4	.5	1.1	1.2	1.2	1.1	
125.	*	.7	.1	.3	.5	1.1	1.2	1.1	1.2	
130.	*	.7	.1	.2	.5	1.1	1.2	1.1	1.1	
135.	*	.5	.1	.3	.5	1.1	1.1	1.2	1.1	
140.	*	.5	.0	.3	.6	1.1	1.2	1.1	.9	
145.	*	.5	.0	.1	.3	1.2	1.0	1.0	1.1	
150.	*	.5	.0	.0	.3	.9	.9	1.0	1.0	
155.	*	.5	.0	.0	.2	.8	.8	.8	.6	
160.	*	.4	.0	.0	.0	.8	.7	.6	.5	
165.	*	.4	.0	.0	.0	.4	.5	.4	.4	
170.	*	.4	.0	.0	.0	.3	.2	.2	.2	
175.	*	.4	.0	.0	.0	.1	.1	.1	.1	
180.	*	.5	.0	.0	.0	.1	.1	.1	.1	
185.	*	.6	.0	.0	.0	.0	.1	.1	.1	
190.	*	.6	.0	.0	.0	.0	.0	.0	.0	
195.	*	.6	.0	.0	.0	.0	.0	.0	.0	
200.	*	.5	.0	.0	.0	.0	.0	.0	.0	
205.	*	.4	.0	.0	.0	.0	.0	.0	.0	

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RUN: PurpleLine S11 HighBRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0	
215.	*	.3	.0	.0	.0	.0	.0	.0	.0	
220.	*	.2	.0	.0	.0	.0	.0	.0	.0	
225.	*	.1	.0	.0	.0	.0	.0	.0	.0	
230.	*	.0	.1	.0	.0	.0	.0	.0	.0	
235.	*	.0	.1	.0	.0	.0	.0	.0	.0	
240.	*	.0	.1	.1	.0	.0	.0	.0	.0	
245.	*	.0	.2	.1	.1	.1	.0	.0	.0	
250.	*	.0	.2	.2	.2	.2	.0	.0	.0	
255.	*	.0	.2	.3	.2	.3	.0	.0	.0	
260.	*	.0	.2	.3	.3	.4	.0	.0	.0	
265.	*	.0	.4	.3	.3	.7	.1	.0	.0	
270.	*	.0	.4	.2	.5	.8	.1	.0	.0	
275.	*	.0	.4	.2	.6	.9	.2	.0	.0	
280.	*	.0	.3	.2	.7	1.0	.2	.0	.0	
285.	*	.0	.2	.3	.7	1.0	.3	.1	.0	
290.	*	.0	.2	.3	.8	1.0	.3	.1	.0	
295.	*	.0	.2	.3	.8	1.0	.3	.2	.0	
300.	*	.0	.2	.4	.8	1.0	.4	.2	.0	
305.	*	.0	.2	.4	.9	.9	.4	.2	.1	
310.	*	.0	.3	.6	.9	1.0	.4	.3	.2	
315.	*	.0	.4	.6	.9	1.0	.5	.3	.2	
320.	*	.0	.4	.7	.9	.9	.5	.3	.2	
325.	*	.0	.4	.7	.9	.9	.4	.4	.2	
330.	*	.0	.4	.7	.8	1.3	.6	.5	.5	
335.	*	.0	.4	.8	1.0	1.2	.7	.5	.7	
340.	*	.0	.4	.7	1.0	1.2	.8	.9	.9	
345.	*	.0	.3	.9	.9	1.2	.8	1.2	1.0	
350.	*	.0	.3	1.0	.9	1.1	.8	1.0	.9	
355.	*	.0	.4	.9	1.0	1.2	1.0	1.1	1.1	
360.	*	.0	.4	.9	1.1	1.2	.8	1.2	1.3	
MAX	*	.8	.7	1.1	1.4	1.3	1.4	1.4	1.4	
DEGR.	*	100	40	35	20	330	40	30	5	

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 165 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 195 DEGREES FROM REC10.

PurpleLine S11 Low LRT 2015AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 Low LRT 2015AM	69	1	0
1			
0	ADnbAP	AG 2094. 1673. 1803. 2404.	1325 4.7 0 44 30.
1			
0	ADnbT	AG 1797. 2401. 1636. 2800.	970 4.7 0 56 30.
2			
0	ADnbTQ	AG 1661. 2738. 1786. 2427.	0. 36 3
241	171	2.0 970 37.8 1695 1 3	
1			
0	ADnbR	AG 1815. 2410. 1711. 2675.	135 4.7 0 32 30.
2			
0	ADnbRQ	AG 1714. 2669. 1804. 2439.	0. 12 1
241	171	2.0 135 37.8 1583 1 3	
1			
0	ADnbR	AG 1711. 2675. 1722. 2740.	135 4.7 0 32 30.
1			
0	ADnbR	AG 1722. 2740. 1789. 2778.	135 4.7 0 32 30.
1			
0	ADnbL	AG 1772. 2400. 1616. 2796.	220 4.7 0 32 30.
2			
0	ADnbLQ	AG 1642. 2729. 1765. 2418.	0. 12 1
241	201	2.0 220 37.8 1770 1 3	
1			
0	ADnb2	AG 1639. 2803. 1570. 2969.	1060 4.7 0 56 30.
1			
0	ADnbT2	AG 1571. 2968. 1458. 3168.	680 4.7 0 56 30.
2			
0	ADnbT2Q	AG 1514. 3070. 1570. 2970.	0. 36 3
241	181	2.0 680 37.8 1695 1 3	
1			
0	ADnbR2	AG 1592. 2972. 1555. 3064.	380 4.7 0 32 30.
1			
0	ADnbR2	AG 1555. 3064. 1551. 3156.	380 4.7 0 32 30.
1			
0	ADnbR2	AG 1551. 3156. 1615. 3374.	380 4.7 0 32 30.
1			
0	ADnbD	AG 1460. 3169. 1201. 3572.	935 4.7 0 56 30.
1			
0	ADnbD	AG 1201. 3572. 1110. 3763.	935 4.7 0 44 30.
1			
0	ADsbAP	AG 1082. 3641. 1177. 3472.	1275 3.6 0 68 30.
1			
0	ADsbT	AG 1177. 3473. 1422. 3106.	995 3.6 0 56 30.
2			
0	ADsbTQ	AG 1372. 3181. 1203. 3435.	0. 36 3
241	149	2.0 995 37.8 1695 1 3	
1			
0	ADsbR	AG 1177. 3439. 1306. 3233.	70 3.6 0 32 30.
2			
0	ADsbRQ	AG 1303. 3238. 1182. 3431.	0. 12 1
241	149	2.0 70 37.8 1583 1 3	
1			
0	ADsbR	AG 1306. 3233. 1327. 3131.	70 3.6 0 32 30.
1			
0	ADsbR	AG 1327. 3131. 1296. 3001.	70 3.6 0 32 30.
1			
0	ADsbR	AG 1296. 3001. 1249. 2911.	70 3.6 0 32 30.
1			
0	ADsbL	AG 1228. 3446. 1435. 3128.	210 3.6 0 32 30.
2			
0	ADsbLQ	AG 1388. 3200. 1240. 3427.	0. 12 1
241	201	2.0 210 37.8 1770 1 3	
1			
0	ADsb2	AG 1422. 3107. 1495. 2999.	1555 3.6 0 56 30.
1			
0	ADsbT2	AG 1483. 2997. 1593. 2797.	1315 3.6 0 44 30.

0	2	ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		241	133	2.0	1315	37.8	1770	1 3					
0	1	ADsbL2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44	30.
0	2	ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		241	163	2.0	240	37.8	1717	1 3					
0	1	ADsbD	AG	1595.	2795.	1972.	1867.		1630	3.6	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		1200	3.7	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		1200	3.7	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		360	3.7	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		360	3.7	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		360	3.7	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		241	183	2.0	360	37.8	1583	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		415	3.7	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		550	3.7	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		465	4.1	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		241	201	2.0	465	37.8	1672	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		465	4.1	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		465	4.1	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		465	4.1	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		840	3.5	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		241	98	2.0	840	37.8	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		835	3.5	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		730	3.5	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		241	151	2.0	730	37.8	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		105	3.5	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		241	201	2.0	105	37.8	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		1320	3.5	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		1320	3.5	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2050	3.5	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1330	3.5	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		241	129	2.0	1330	37.8	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		150	3.5	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		241	129	2.0	150	37.8	1583	1 3					
0	1	193wbR	AG	1451.									

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# SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1325.	4.7	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	970.	4.7	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1773.6	2457.8	*	302.	158. AG	216.	100.0	.0	36.0	.70 15.3
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	135.	4.7	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1760.0	2551.4	*	126.	159. AG	72.	100.0	.0	12.0	.31 6.4
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	135.	4.7	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	135.	4.7	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	4.7	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1736.8	2489.3	*	258.	158. AG	85.	100.0	.0	12.0	.83 13.1
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1060.	4.7	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	680.	4.7	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1623.3	2874.8	*	224.	151. AG	228.	100.0	.0	36.0	.58 11.4
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	380.	4.7	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	380.	4.7	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	380.	4.7	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	935.	4.7	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	935.	4.7	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1275.	3.6	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	995.	3.6	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1222.6	3405.5	*	270.	326. AG	188.	100.0	.0	36.0	.54 13.7
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	70.	3.6	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1272.7	3286.3	*	57.	328. AG	63.	100.0	.0	12.0	.12 2.9
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	70.	3.6	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	70.	3.6	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	70.	3.6	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	210.	3.6	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1256.6	3401.5	*	241.	327. AG	85.	100.0	.0	12.0	.80 12.2
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1555.	3.6	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1315.	3.6	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1330.0	3273.2	*	484.	331. AG	112.	100.0	.0	24.0	.86 24.6
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1534.4	2947.7	*	107.	331. AG	137.	100.0	.0	24.0	.23 5.4
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1630.	3.6	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1200.	3.7	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1200.	3.7	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	360.	3.7	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	360.	3.7	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	360.	3.7	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1463.8	2755.1	*	120.	263. AG	231.	100.0	.0	36.0	.34 6.1
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	415.	3.7	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	550.	3.7	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	465.	4.1	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1868.1	2801.3	*	170.	93. AG	254.	100.0	.0	36.0	.62 8.7
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	465.	4.1	.0	44.0	

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## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	465.	4.1	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	465.	4.1	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	840.	3.5	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	990.2	2587.7	*	225.	234. AG	82.	100.0	.0	24.0	.42 11.4
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	835.	3.5	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	730.	3.5	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1261.9	2766.0	*	301.	215. AG	127.	100.0	.0	24.0	.58 15.3
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	105.	3.5	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1355.1	2927.7	*	115.	216. AG	85.	100.0	.0	12.0	.40 5.9
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1320.	3.5	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1320.	3.5	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	3.5	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1330.	3.5	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1591.8	3704.7	*	469.	17. AG	109.	100.0	.0	24.0	.84 23.8
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	150.	3.5	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1487.6	3446.3	*	106.	19. AG	54.	100.0	.0	12.0	.21 5.4
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	150.	3.5	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	570.	3.5	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1557.6	3517.8	*	295.	17. AG	157.	100.0	.0	24.0	.79 15.0
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1400.	3.5	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1400.	3.5	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1410.5	3073.6	*	379.	43. AG	82.	100.0	.0	24.0	.87 19.3
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1400.	3.5	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1865.	3.5	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1865.	3.5	.0	44.0	



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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	241	171	2.0	970	1695	37.80	1	3
5. 0	ADnbRQ	241	171	2.0	135	1583	37.80	1	3
9. 0	ADnbLQ	241	201	2.0	220	1770	37.80	1	3
12. 0	ADnbT2Q	241	181	2.0	680	1695	37.80	1	3
20. 0	ADsbTQ	241	149	2.0	995	1695	37.80	1	3
22. 0	ADsbRQ	241	149	2.0	70	1583	37.80	1	3
27. 0	ADsbLQ	241	201	2.0	210	1770	37.80	1	3
30. 0	ADsbT2Q	241	133	2.0	1315	1770	37.80	1	3
32. 0	ADsbL2Q	241	163	2.0	240	1717	37.80	1	3
39. 0	CMebTRq	241	183	2.0	360	1583	37.80	1	3
43. 0	CMwbQ	241	201	2.0	465	1672	37.80	1	3
48. 0	193ebLQ	241	98	2.0	840	1717	37.80	1	3
51. 0	193ebT	241	151	2.0	730	1770	37.80	1	3
53. 0	193ebL	241	201	2.0	105	1770	37.80	1	3
58. 0	193wbT	241	129	2.0	1330	1770	37.80	1	3
60. 0	193wbR	241	129	2.0	150	1583	37.80	1	3
63. 0	193wbL	241	186	2.0	570	1717	37.80	1	3
66. 0	193wbQ	241	98	2.0	1400	1394	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (FT)			* *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (FT)			* *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.1	.3	.3	.7	.8	.5	.1	.1
5. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.3	.4	.8	.8	.6	.1	.1	
10. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.1	.5	.8	.8	.6	.2	.1	

15. \* .1 .1 .2 .4 .5 .1 .1 .0 .0 .0 .0 .0 .0 .1 .5 .8 .8 .6 .2 .1  
20. \* .0 .1 .2 .4 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .5 .7 .9 .6 .3 .1  
25. \* .0 .1 .2 .4 .4 .1 .1 .0 .0 .0 .0 .0 .0 .0 .6 .7 .9 .7 .4 .4  
30. \* .0 .0 .1 .4 .4 .1 .1 .0 .0 .0 .0 .0 .0 .0 .6 .7 .9 .8 .4 .5  
35. \* .0 .0 .1 .4 .3 .1 .1 .0 .0 .0 .0 .0 .0 .0 .6 .7 1.0 .7 .5 .4  
40. \* .0 .0 .1 .4 .3 .1 .2 .0 .0 .0 .0 .0 .0 .0 .6 .8 1.0 .6 .3 .4  
45. \* .0 .0 .1 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .7 .8 1.0 .6 .3 .3  
50. \* .0 .0 .0 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.2 .6 .2 .3  
55. \* .0 .0 .0 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .4 .3 .4  
60. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .4 .3 .5  
65. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .3 .3 .7  
70. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.0 1.2 .2 .4 .7  
75. \* .0 .0 .0 .2 .2 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.0 1.2 .2 .4 .8  
80. \* .0 .0 .0 .1 .2 .2 .2 .1 .1 .2 .1 .0 .0 .0 1.0 1.0 1.0 .2 .4 .8  
85. \* .0 .0 .0 .0 .2 .2 .2 .1 .2 .3 .1 .0 .0 .0 1.0 1.0 1.0 .2 .5 .6  
90. \* .0 .0 .0 .0 .1 .1 .1 .1 .2 .5 .2 .0 .0 .0 1.0 1.1 .9 .3 .5 .6  
95. \* .0 .0 .0 .0 .1 .1 .1 .1 .3 .6 .4 .0 .0 .0 1.0 1.1 .8 .3 .6 .6  
100. \* .0 .0 .0 .0 .1 .1 .1 .1 .4 .7 .5 .1 .0 .0 1.0 1.1 .6 .4 .6 .6  
105. \* .0 .0 .0 .0 .1 .1 .1 .2 .6 .9 .6 .1 .0 .0 .9 1.0 .6 .4 .7 .5  
110. \* .0 .0 .0 .0 .0 .0 .0 .2 .7 1.0 .6 .1 .0 .0 .9 1.2 .6 .6 .7 .5  
115. \* .0 .0 .0 .0 .0 .0 .0 .2 .8 1.0 .6 .2 .1 .0 .9 1.1 .6 .6 .7 .6  
120. \* .0 .0 .0 .0 .0 .0 .0 .2 .8 1.0 .6 .2 .1 .0 .9 1.1 .6 .6 .5 .6  
125. \* .0 .0 .0 .0 .0 .0 .0 .2 .9 1.0 .6 .3 .1 .1 .9 1.0 .6 .6 .6 .6  
130. \* .0 .0 .0 .0 .0 .0 .0 .2 .9 1.0 .5 .3 .1 .1 .9 .8 .6 .5 .5 .6  
135. \* .0 .0 .0 .0 .0 .0 .0 .2 .9 1.0 .4 .3 .2 .1 .8 .8 .6 .6 .5 .5  
140. \* .0 .0 .0 .0 .0 .0 .0 .2 .9 1.0 .4 .2 .2 .1 .6 .7 .5 .5 .5 .4  
145. \* .1 .0 .0 .0 .0 .0 .0 .1 .9 .9 .4 .3 .3 .2 .6 .5 .4 .5 .4 .4  
150. \* .1 .1 .2 .0 .0 .0 .0 .1 .9 .9 .5 .3 .3 .3 .4 .2 .4 .5 .3 .4  
155. \* .1 .3 .4 .1 .0 .0 .0 .1 .9 .9 .6 .6 .6 .4 .2 .3 .4 .3 .3 .4  
160. \* .3 .4 .6 .2 .0 .0 .0 .1 .8 1.0 .7 .7 .8 .6 .1 .1 .3 .3 .3 .4  
165. \* .4 .4 .7 .3 .0 .0 .0 .1 .8 1.0 .8 .7 .8 .6 .0 .1 .3 .3 .4 .4  
170. \* .4 .5 .8 .6 .0 .0 .0 .1 .9 1.1 .7 .8 .8 .9 .0 .1 .2 .3 .3 .4  
175. \* .4 .6 1.1 .6 .1 .0 .0 .1 .9 1.3 .7 .9 .9 1.0 .0 .0 .2 .3 .4 .4  
180. \* .3 .7 1.1 .6 .0 .0 .0 .1 1.0 1.3 .8 .7 1.2 1.0 .0 .0 .2 .3 .4 .3  
185. \* .3 .6 1.2 .8 .2 .0 .0 .1 1.1 1.5 .7 .7 .9 1.2 .0 .0 .1 .3 .4 .3  
190. \* .3 .7 1.2 .8 .2 .0 .0 .1 1.1 1.5 .6 .8 1.1 1.1 .0 .0 .1 .2 .3 .4  
195. \* .3 .7 1.2 .8 .2 .0 .0 .2 1.2 1.4 .5 .9 1.1 1.1 .0 .0 .0 .2 .3 .4  
200. \* .2 .7 1.1 .8 .3 .1 .0 .2 1.2 1.4 .4 .8 1.2 1.1 .0 .0 .0 .2 .2 .3  
205. \* .2 .7 1.1 .8 .3 .1 .0 .3 1.2 1.3 .4 1.0 1.3 .9 .0 .0 .0 .1 .2 .2

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JOB: PurpleLine S11 Low LRT 2015AM

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR) \* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.2	.8	1.0	.7	.3	.1	.0	.3	1.1	1.3	.3	1.1	1.3	.9	.0	.0	.0	.1	.2	.2
215.	*	.2	.9	1.0	.7	.3	.1	.1	.3	1.1	1.2	.3	1.1	1.3	.8	.0	.0	.0	.0	.2	.2
220.	*	.2	.8	1.0	.7	.2	.1	.1	.4	1.1	1.1	.4	1.2	1.1	.8	.0	.0	.0	.0	.2	.2
225.	*	.3	.8	1.0	.7	.2	.1	.1	.5	1.2	1.1	.4	1.1	1.1	.7	.0	.0	.0	.0	.0	.1
230.	*	.3	.8	1.0	.6	.2	.1	.1	.5	1.1	1.1	.3	1.2	1.3	.7	.0	.0	.0	.0	.0	.0
235.	*	.4	.8	1.0	.7	.2	.1	.1	.6	1.1	1.0	.3	1.2	1.2	.9	.0	.0	.0	.0	.0	.0
240.	*	.4	.8	1.0	.7	.2	.1	.1	.7	1.1	.8	.4	1.2	1.2	.9	.0	.0	.0	.0	.0	.0
245.	*	.5	.8	1.0	.6	.2	.1	.1	.8	1.2	.7	.4	1.2	1.1	.9	.0	.0	.0	.0	.0	.0
250.	*	.5	.8	1.0	.6	.2	.1	.1	.9	1.1	.6	.4	1.2	1.1	.9	.0	.0	.0	.0	.0	.0
255.	*	.6	.8	1.0	.6	.1	.1	.1	1.0	1.1	.6	.3	1.2	1.2	.8	.0	.0	.0	.0	.0	.0
260.	*	.6	.9	1.0	.7	.2	.1	.1	.9	1.0	.6	.4	1.3	1.1	.8	.0	.0	.0	.0	.0	.0
265.	*	.7	.9	1.0	.7	.2	.3	.3	.9	.9	.5	.5	1.3	1.1	.7	.0	.0	.0	.0	.0	.0
270.	*	.7	.9	1.0	.5	.3	.4	.3	.8	.7	.5	.6	1.3	1.1	.6	.0	.0	.0	.0	.0	.0
275.	*	.7	.9	1.0	.5	.3	.4	.3	.7	.6	.7	.6	1.3	1.1	.6	.0	.0	.0	.0	.0	.0
280.	*	.7	1.0	1.0	.5	.3	.5	.3	.6	.6	.6	.6	1.2	1.1	.5	.0	.0	.0	.0	.0	.0
285.	*	.9	1.0	1.1	.4	.5	.6	.5	.6	.5	.5	.9	1.2	1.0	.5	.0	.0	.0	.0	.0	.0
290.	*	.9	1.1	1.2	.4	.5	.7	.5	.4	.4	.5	1.0	1.4	1.0	.5	.0	.0	.0	.0	.0	.0
295.	*	1.0	1.1	1.2	.3	.8	.8	.5	.3	.4	.5	1.1	1.2	1.0	.5	.0	.0	.0	.0	.0	.0
300.	*	1.0	1.3	1.2	.3	.9	.8	.5	.3	.3	.6	1.1	1.1	1.0	.5	.0	.0	.0	.0	.0	.0
305.	*	1.1	1.3	1.3	.3	.9	.8	.4	.1	.3	.6	1.1	1.1	1.0	.5	.0	.0	.0	.0	.0	.0
310.	*	1.2	1.3	1.2	.4	.9	.6	.4	.1	.2	.5	1.1	1.2	.8	.6	.0	.0	.0	.0	.0	.0
315.	*	1.2	1.3	1.4	.6	1.0	.6	.2	.0	.1	.4	1.1	1.1	.8	.5	.0	.0	.0	.0	.0	.0
320.	*	1.2	1.5	1.0	.6	.9	.4	.2	.0	.1	.4	1.1	1.0	.7	.4	.0	.0	.1	.0	.0	.0
325.	*	1.2	1.3	.8	.5	.7	.3	.2	.0	.0	.1	.9	.9	.5	.5	.0	.1	.1	.0	.0	.0
330.	*	1.2	1.0	.7	.5	.6	.2	.1	.0	.0	.1	.9	.7	.5	.5	.2	.2	.3	.1	.0	.0
335.	*	.8	.9	.7	.3	.6	.2	.1	.0	.0	.1	.6	.4	.4	.4	.2	.3	.4	.1	.0	.0
340.	*	.7	.6	.5	.4	.6	.1	.1	.0	.0	.0	.6	.3	.3	.4	.2	.3	.5	.1	.0	.0
345.	*	.5	.5	.3	.4	.6	.1	.1	.0	.0	.0	.3	.3	.2	.4	.3	.4	.6	.2	.1	.0
350.	*	.3	.3	.2	.3	.6	.1	.1	.0	.0	.0	.1	.3	.2	.3	.2	.5	.7	.3	.1	.0
355.	*	.2	.1	.2	.4	.6	.1	.1	.0	.0	.0	.1	.1	.2	.3	.2	.5	.8	.4	.1	.1
360.	*	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.1	.3	.3	.7	.8	.5	.1	.1
MAX	*	1.2	1.5	1.4	.8	1.0	.8	.5	1.0	1.2	1.5	1.1	1.4	1.3	1.2	1.0	1.2	1.2	.8	.7	.8
DEGR.	*	310	320	315	185	315	295	285	255	195	185	295	290	205	185	70	110	50	30	105	75

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JOB: PurpleLine S11 Low LRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.2	1.0	.9	.6	.8	1.2
5.	*	.1	.2	.2	1.1	.8	.5	1.0	1.1
10.	*	.1	.2	.2	1.1	.8	.7	.9	1.1
15.	*	.1	.2	.3	1.1	.5	.6	1.0	1.2
20.	*	.1	.3	.3	1.1	.4	.6	1.0	1.1
25.	*	.1	.2	.3	1.1	.4	.7	1.1	1.1
30.	*	.1	.2	.5	1.1	.3	.7	1.0	1.0
35.	*	.2	.2	.5	1.1	.3	.9	1.0	1.0
40.	*	.3	.2	.6	.7	.4	.9	.9	.9
45.	*	.4	.2	.5	.7	.4	.9	.9	.9
50.	*	.5	.2	.5	.6	.4	1.0	1.0	.9
55.	*	.6	.2	.5	.6	.5	1.0	1.0	.9
60.	*	.6	.3	.5	.7	.5	1.0	.9	.8
65.	*	.6	.3	.5	.6	.6	.9	.9	.8
70.	*	.7	.3	.5	.6	.6	.9	.9	.8
75.	*	.7	.3	.4	.6	.6	.9	.9	.8
80.	*	.6	.3	.4	.5	.6	.8	.9	.8
85.	*	.6	.3	.4	.4	.6	.8	.9	.8
90.	*	.6	.2	.4	.5	.6	.8	.9	.8
95.	*	.5	.1	.3	.5	.6	.8	.9	.8
100.	*	.5	.1	.2	.5	.6	.9	.9	.8
105.	*	.5	.1	.3	.5	.7	.9	.9	.8
110.	*	.6	.1	.3	.5	.7	.9	.8	.8
115.	*	.6	.1	.2	.5	.8	1.0	.9	.7
120.	*	.5	.1	.2	.5	.8	1.1	1.0	.8
125.	*	.5	.0	.2	.5	.9	1.1	.9	.7
130.	*	.4	.0	.2	.4	.9	1.0	.9	.7
135.	*	.4	.0	.2	.2	.9	.9	.8	.6
140.	*	.4	.0	.1	.2	.9	.8	.9	.6
145.	*	.4	.0	.0	.2	.8	.9	.9	.5
150.	*	.3	.0	.0	.1	.8	.8	.8	.4
155.	*	.3	.0	.0	.1	.7	.7	.5	.4
160.	*	.3	.0	.0	.0	.5	.4	.5	.4
165.	*	.3	.0	.0	.0	.3	.3	.2	.2
170.	*	.3	.0	.0	.0	.1	.2	.2	.2
175.	*	.4	.0	.0	.0	.1	.1	.1	.1
180.	*	.4	.0	.0	.0	.1	.1	.1	.1
185.	*	.4	.0	.0	.0	.0	.1	.1	.1
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.4	.0	.0	.0	.0	.0	.0	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S11 Low LRT 2015AM

RUN: PurpleLine S11 Low LRT 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.1	.0	.0	.0
255.	*	.0	.1	.0	.0	.1	.0	.0	.0
260.	*	.0	.1	.0	.0	.2	.0	.0	.0
265.	*	.0	.1	.0	.0	.3	.0	.0	.0
270.	*	.0	.1	.0	.1	.4	.0	.0	.0
275.	*	.0	.1	.0	.1	.5	.0	.0	.0
280.	*	.0	.0	.0	.2	.6	.0	.0	.0
285.	*	.0	.0	.0	.3	.8	.1	.0	.0
290.	*	.0	.0	.1	.4	.8	.1	.0	.0
295.	*	.0	.0	.1	.5	.8	.1	.0	.0
300.	*	.0	.0	.1	.5	.8	.3	.1	.0
305.	*	.0	.0	.1	.6	.8	.3	.1	.0
310.	*	.0	.1	.1	.6	.7	.3	.2	.1
315.	*	.0	.2	.1	.6	.8	.5	.2	.2
320.	*	.0	.2	.2	.7	.8	.5	.2	.2
325.	*	.0	.2	.2	.7	.7	.4	.3	.2
330.	*	.0	.2	.1	.7	1.2	.5	.5	.4
335.	*	.0	.2	.1	.9	1.1	.7	.5	.6
340.	*	.0	.2	.1	.9	1.0	.7	.6	.8
345.	*	.0	.2	.2	.8	1.0	.8	.8	.9
350.	*	.0	.3	.3	.8	.9	.9	.8	.8
355.	*	.0	.3	.3	.8	.9	.7	.8	.9
360.	*	.0	.2	.2	1.0	.9	.6	.8	1.2
MAX	*	.7	.3	.6	1.1	1.2	1.1	1.1	1.2
DEGR.	*	70	20	40	5	330	120	25	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 320 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 185 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 315 DEGREES FROM REC3 .

PurpleLine S11 Low LRT 2015PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 Low LRT 2015PM	69	1	0
1			
0	ADnbAP	AG 2094. 1673. 1803. 2404.	1995 5.0 0 44 30.
1			
0	ADnbT	AG 1797. 2401. 1636. 2800.	1555 5.0 0 56 30.
2			
0	ADnbTQ	AG 1661. 2738. 1786. 2427.	0. 36 3
248	158	2.0 1555 37.8 1695 1 3	
1			
0	ADnbR	AG 1815. 2410. 1711. 2675.	220 5.0 0 32 30.
2			
0	ADnbRQ	AG 1714. 2669. 1804. 2439.	0. 12 1
248	158	2.0 220 37.8 1583 1 3	
1			
0	ADnbR	AG 1711. 2675. 1722. 2740.	220 5.0 0 32 30.
1			
0	ADnbR	AG 1722. 2740. 1789. 2778.	220 5.0 0 32 30.
1			
0	ADnbL	AG 1772. 2400. 1616. 2796.	220 5.0 0 32 30.
2			
0	ADnbLQ	AG 1642. 2729. 1765. 2418.	0. 12 1
248	214	2.0 220 37.8 1770 1 3	
1			
0	ADnb2	AG 1639. 2803. 1570. 2969.	1945 5.0 0 56 30.
1			
0	ADnbT2	AG 1571. 2968. 1458. 3168.	1290 5.0 0 56 30.
2			
0	ADnbT2Q	AG 1514. 3070. 1570. 2970.	0. 36 3
248	172	2.0 1290 37.8 1695 1 3	
1			
0	ADnbR2	AG 1592. 2972. 1555. 3064.	655 5.0 0 32 30.
1			
0	ADnbR2	AG 1555. 3064. 1551. 3156.	655 5.0 0 32 30.
1			
0	ADnbR2	AG 1551. 3156. 1615. 3374.	655 5.0 0 32 30.
1			
0	ADnbD	AG 1460. 3169. 1201. 3572.	1720 5.0 0 56 30.
1			
0	ADnbD	AG 1201. 3572. 1110. 3763.	1720 5.0 0 44 30.
1			
0	ADsbAP	AG 1082. 3641. 1177. 3472.	1260 3.6 0 68 30.
1			
0	ADsbT	AG 1177. 3473. 1422. 3106.	970 3.6 0 56 30.
2			
0	ADsbTQ	AG 1372. 3181. 1203. 3435.	0. 36 3
248	146	2.0 970 37.8 1695 1 3	
1			
0	ADsbR	AG 1177. 3439. 1306. 3233.	170 3.6 0 32 30.
2			
0	ADsbRQ	AG 1303. 3238. 1182. 3431.	0. 12 1
248	146	2.0 170 37.8 1583 1 3	
1			
0	ADsbR	AG 1306. 3233. 1327. 3131.	170 3.6 0 32 30.
1			
0	ADsbR	AG 1327. 3131. 1296. 3001.	170 3.6 0 32 30.
1			
0	ADsbR	AG 1296. 3001. 1249. 2911.	170 3.6 0 32 30.
1			
0	ADsbL	AG 1228. 3446. 1435. 3128.	120 3.6 0 32 30.
2			
0	ADsbLQ	AG 1388. 3200. 1240. 3427.	0. 12 1
248	214	2.0 120 37.8 1770 1 3	
1			
0	ADsb2	AG 1422. 3107. 1495. 2999.	1380 3.6 0 56 30.
1			
0	ADsbT2	AG 1483. 2997. 1593. 2797.	1140 3.6 0 44 30.

0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		248	145	2.0	1140	37.8	1770	1 3					
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		248	200	2.0	240	37.8	1717	1 3					
0	1	ADsblD	AG	1595.	2795.	1972.	1867.		1660	3.6	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		2070	4.1	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		2070	4.1	0	44	30.
0	1	CMebTTR	AG	1101.	2645.	1270.	2700.		535	4.1	0	56	30.
0	1	CMebTTR	AG	1270.	2700.	1462.	2755.		535	4.1	0	56	30.
0	1	CMebTTR	AG	1462.	2755.	1634.	2777.		535	4.1	0	56	30.
0	2	CMebTTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		248	195	2.0	535	37.8	1723	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		455	4.1	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		675	4.1	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		1085	4.1	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		248	185	2.0	1085	37.8	1691	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		715	4.1	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		715	4.1	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		715	4.1	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1535	3.5	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		248	108	2.0	1535	37.8	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1535	3.5	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		1425	3.5	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		248	141	2.0	1425	37.8	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		110	3.5	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		248	185	2.0	110	37.8	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2200	3.5	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2200	3.5	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		1805	3.5	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1070	3.5	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		248	162	2.0	1070	37.8	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		320	3.5	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		248	162	2.0	320	37.8	1583	1 3					
0	1	193wbR	AG</										

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SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	* 2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1995.	5.0	.0	44.0	
2. 0	ADnbT	* 1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1555.	5.0	.0	56.0	
3. 0	ADnbTQ	* 1661.0	2738.0	1836.0	2302.7	*	469.	158. AG	194.	100.0	.0	36.0	.88 23.8
4. 0	ADnbR	* 1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	220.	5.0	.0	32.0	
5. 0	ADnbRQ	* 1714.0	2669.0	1783.3	2492.0	*	190.	159. AG	65.	100.0	.0	12.0	.40 9.7
6. 0	ADnbR	* 1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	220.	5.0	.0	32.0	
7. 0	ADnbR	* 1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	220.	5.0	.0	32.0	
8. 0	ADnbL	* 1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	5.0	.0	32.0	
9. 0	ADnbLQ	* 1642.0	2729.0	1785.0	2367.3	*	389.	158. AG	87.	100.0	.0	12.0	1.03 19.8
10. 0	ADnb2	* 1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1945.	5.0	.0	56.0	
11. 0	ADnbT2	* 1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1290.	5.0	.0	56.0	
12. 0	ADnbT2Q	* 1514.0	3070.0	1721.9	2698.7	*	426.	151. AG	211.	100.0	.0	36.0	.87 21.6
13. 0	ADnbR2	* 1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	655.	5.0	.0	32.0	
14. 0	ADnbR2	* 1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	655.	5.0	.0	32.0	
15. 0	ADnbR2	* 1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	655.	5.0	.0	32.0	
16. 0	ADnbD	* 1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1720.	5.0	.0	56.0	
17. 0	ADnbD	* 1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1720.	5.0	.0	44.0	
18. 0	ADsbAP	* 1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1260.	3.6	.0	68.0	
19. 0	ADsbT	* 1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	970.	3.6	.0	56.0	
20. 0	ADsbTQ	* 1372.0	3181.0	1229.2	3395.7	*	258.	326. AG	179.	100.0	.0	36.0	.48 13.1
21. 0	ADsbR	* 1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	170.	3.6	.0	32.0	
22. 0	ADsbRQ	* 1303.0	3238.0	1230.9	3353.0	*	136.	328. AG	60.	100.0	.0	12.0	.27 6.9
23. 0	ADsbR	* 1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	170.	3.6	.0	32.0	
24. 0	ADsbR	* 1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	170.	3.6	.0	32.0	
25. 0	ADsbR	* 1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	170.	3.6	.0	32.0	
26. 0	ADsbL	* 1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	120.	3.6	.0	32.0	
27. 0	ADsbLQ	* 1388.0	3200.0	1311.3	3317.6	*	140.	327. AG	87.	100.0	.0	12.0	.56 7.1
28. 0	ADsb2	* 1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1380.	3.6	.0	56.0	
29. 0	ADsbT2	* 1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1140.	3.6	.0	44.0	
30. 0	ADsbT2Q	* 1564.0	2850.0	1345.3	3245.5	*	452.	331. AG	119.	100.0	.0	24.0	.81 23.0
31. 0	ADsbL2	* 1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	* 1586.0	2854.0	1522.6	2968.9	*	131.	331. AG	164.	100.0	.0	24.0	.39 6.7
33. 0	ADsbD	* 1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1660.	3.6	.0	44.0	
34. 0	193ebAP	* 683.0	2476.0	956.0	2578.0	*	291.	70. AG	2070.	4.1	.0	44.0	
35. 0	193ebAP	* 956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2070.	4.1	.0	44.0	
36. 0	CMebTR	* 1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	535.	4.1	.0	56.0	
37. 0	CMebTR	* 1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	535.	4.1	.0	56.0	
38. 0	CMebTR	* 1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	535.	4.1	.0	56.0	
39. 0	CMebTRq	* 1583.0	2770.0	1394.7	2746.5	*	190.	263. AG	239.	100.0	.0	36.0	.52 9.6
40. 0	CMebD1	* 1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	455.	4.1	.0	44.0	
41. 0	CMebD2	* 1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	675.	4.1	.0	44.0	
42. 0	CMwbAP	* 2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1085.	4.1	.0	56.0	
43. 0	CMwbQ	* 1698.0	2811.0	2094.7	2788.4	*	397.	93. AG	227.	100.0	.0	36.0	.90 20.2
44. 0	CMwbD	* 1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	715.	4.1	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	* 1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	715.	4.1	.0	44.0	
46. 0	CMwbD	* 1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	715.	4.1	.0	44.0	
47. 0	193ebL	* 1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1535.	3.5	.0	44.0	
48. 0	193ebLQ	* 1173.0	2719.0	805.1	2454.7	*	453.	234. AG	88.	100.0	.0	24.0	.82 23.0
49. 0	193ebAP	* 1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1535.	3.5	.0	44.0	
50. 0	193ebTR	* 1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1425.	3.5	.0	44.0	
51. 0	193ebT	* 1436.0	3012.0	1068.7	2493.2	*	636.	215. AG	115.	100.0	.0	24.0	.97 32.3
52. 0	193ebL	* 1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	110.	3.5	.0	32.0	
53. 0	193ebL	* 1423.0	3021.0	1357.6	2931.0	*	111.	216. AG	76.	100.0	.0	12.0	.26 5.7
54. 0	193ebD	* 1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2200.	3.5	.0	44.0	
55. 0	193ebD	* 1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2200.	3.5	.0	44.0	
56. 0	193wbA	* 1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	1805.	3.5	.0	68.0	
57. 0	193wbT	* 1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1070.	3.5	.0	44.0	
58. 0	193wbT	* 1455.0	3256.0	1604.5	3746.5	*	513.	17. AG	132.	100.0	.0	24.0	.91 26.1
59. 0	193wbR	* 1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	320.	3.5	.0	32.0	
60. 0	193wbR	* 1454.0	3346.0	1544.1	3614.8	*	283.	19. AG	66.	100.0	.0	12.0	.61 14.4
61. 0	193wbR	* 1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	320.	3.5	.0	32.0	
62. 0	193wbL	* 1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	415.	3.5	.0	44.0	
63. 0	193wbL	* 1472.0	3236.0	1558.0	3519.0	*	296.	17. AG	174.	100.0	.0	24.0	.97 15.0
64. 0	193wbD	* 1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1235.	3.5	.0	44.0	
65. 0	193wbD	* 1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1235.	3.5	.0	44.0	
66. 0	193wbQ	* 1154.0	2794.0	1400.3	3062.5	*	364.	43. AG	88.	100.0	.0	24.0	.81 18.5
67. 0	193wbD1	* 1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1235.	3.5	.0	44.0	
68. 0	193wbD1	* 1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1950.	3.5	.0	44.0	
69. 0	193wbD1	* 850.0	2582.0	673.0	2513.0	*	190.	249. AG	1950.	3.5	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	248	158	2.0	1555	1695	37.80	1	3
5. 0	ADnbRQ	248	158	2.0	220	1583	37.80	1	3
9. 0	ADnbLQ	248	214	2.0	220	1770	37.80	1	3
12. 0	ADnbT2Q	248	172	2.0	1290	1695	37.80	1	3
20. 0	ADsbTQ	248	146	2.0	970	1695	37.80	1	3
22. 0	ADsbRQ	248	146	2.0	170	1583	37.80	1	3
27. 0	ADsbLQ	248	214	2.0	120	1770	37.80	1	3
30. 0	ADsbT2Q	248	145	2.0	1140	1770	37.80	1	3
32. 0	ADsbL2Q	248	200	2.0	240	1717	37.80	1	3
39. 0	CMebTRq	248	195	2.0	535	1723	37.80	1	3
43. 0	CMwbQ	248	185	2.0	1085	1691	37.80	1	3
48. 0	193ebLQ	248	108	2.0	1535	1717	37.80	1	3
51. 0	193ebT	248	141	2.0	1425	1770	37.80	1	3
53. 0	193ebL	248	185	2.0	110	1770	37.80	1	3
58. 0	193wbT	248	162	2.0	1070	1770	37.80	1	3
60. 0	193wbR	248	162	2.0	320	1583	37.80	1	3
63. 0	193wbL	248	213	2.0	415	1717	37.80	1	3
66. 0	193wbQ	248	108	2.0	1235	1394	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (FT)			* *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* *	COORDINATES (FT)			* *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.2	.4	.4	.7	.7	.7	.0	.0	.0	.1	.1	.3	.5	.3	.8	.7	.4	.2	.1
5. *	.1	.1	.3	.4	.7	.7	.7	.0	.0	.0	.1	.1	.1	.4	.3	.8	.7	.4	.2	.1
10. *	.1	.2	.3	.4	.7	.7	.7	.0	.0	.0	.1	.0	.1	.1	.3	.8	.8	.5	.2	.2

15.	*	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.1	.0	.0	.1	.4	.8	.8	.7	.3	.2
20.	*	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.1	.4	.8	.8	.7	.5	.3
25.	*	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.8	.9	.8	.5	.5
30.	*	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.5	.8	.8	.8	.5	.4
35.	*	.1	.1	.2	.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.5	.9	.9	.8	.7	.4
40.	*	.1	.1	.2	.5	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.6	.9	.9	.7	.5	.4
45.	*	.1	.1	.2	.5	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.6	.9	1.0	.7	.3	.3
50.	*	.0	.1	.2	.5	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.7	1.0	1.1	.7	.2	.3
55.	*	.0	.1	.2	.5	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.7	1.0	1.1	.5	.3	.4
60.	*	.0	.1	.2	.6	.7	.7	.6	.1	.0	.0	.0	.0	.0	.0	.7	1.2	1.1	.4	.4	.4
65.	*	.0	.0	.1	.6	.7	.7	.5	.2	.0	.0	.0	.0	.0	.0	.8	1.2	1.1	.3	.3	.6
70.	*	.0	.0	.1	.5	.7	.6	.5	.2	.2	.2	.0	.0	.0	.0	.8	1.2	1.1	.3	.4	.8
75.	*	.0	.0	.1	.5	.8	.7	.5	.3	.2	.2	.1	.0	.0	.0	.8	1.2	1.1	.3	.4	.8
80.	*	.0	.0	.0	.5	.7	.6	.4	.4	.3	.3	.1	.0	.0	.0	.8	1.1	1.0	.4	.4	.7
85.	*	.0	.0	.0	.4	.6	.5	.4	.6	.6	.6	.3	.0	.0	.0	1.0	1.1	1.0	.4	.7	.7
90.	*	.0	.0	.0	.3	.4	.4	.3	.8	.7	.7	.4	.1	.0	.0	1.0	1.1	.9	.5	.7	.9
95.	*	.0	.0	.0	.1	.4	.3	.2	1.0	1.0	1.0	.5	.1	.0	.0	1.0	1.1	.9	.4	.9	.9
100.	*	.0	.0	.0	.0	.3	.3	.2	1.3	1.1	1.1	.7	.2	.0	.0	1.0	1.1	.7	.5	1.1	.8
105.	*	.0	.0	.0	.0	.2	.1	.1	1.4	1.2	1.2	.9	.3	.1	.0	1.0	1.1	.8	.6	1.1	.8
110.	*	.0	.0	.0	.0	.1	.1	.1	1.4	1.3	1.3	.9	.4	.1	.0	1.0	1.1	1.0	.7	1.0	.7
115.	*	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	1.3	.9	.4	.1	.1	1.0	1.0	.9	.6	.9	.8
120.	*	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	1.2	.8	.4	.3	.1	1.1	1.2	.8	.7	.8	.7
125.	*	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	1.1	.8	.4	.3	.1	1.3	1.2	.7	.7	.8	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	1.1	.7	.5	.3	.1	1.3	.9	.8	.9	.8	.6
135.	*	.0	.0	.0	.0	.0	.0	.0	1.2	1.1	1.0	.7	.5	.3	.1	1.1	.9	.7	.7	.7	.7
140.	*	.1	.0	.0	.0	.0	.0	.0	1.1	1.1	1.0	.8	.5	.3	.2	.8	.8	.4	.7	.6	.7
145.	*	.2	.2	.2	.0	.0	.0	.0	1.1	1.1	.9	1.0	.7	.5	.2	.7	.6	.3	.6	.5	.6
150.	*	.3	.3	.5	.1	.0	.0	.0	1.1	.9	.8	1.2	.9	.7	.5	.6	.4	.4	.5	.4	.5
155.	*	.4	.4	.5	.2	.0	.0	.0	.9	.9	.9	1.5	1.2	.9	.8	.3	.2	.5	.4	.5	.5
160.	*	.7	.8	.9	.4	.0	.0	.0	.9	.9	1.0	1.9	1.5	1.3	1.0	.1	.2	.3	.4	.5	.5
165.	*	.8	1.1	1.2	.6	.1	.0	.0	.9	1.0	1.1	2.0	1.6	1.3	1.0	.1	.1	.3	.4	.5	.5
170.	*	.9	1.2	1.3	.7	.1	.1	.0	1.0	1.1	1.4	1.9	1.6	1.3	1.2	.1	.2	.2	.3	.4	.5
175.	*	1.0	1.2	1.5	.8	.2	.1	.0	1.0	1.1	1.5	1.9	1.6	1.4	1.2	.1	.2	.2	.3	.5	.5
180.	*	.9	1.4	1.5	.7	.2	.1	.1	1.1	1.1	1.5	1.8	1.6	1.5	1.2	.1	.1	.2	.3	.5	.5
185.	*	1.0	1.4	1.4	1.0	.3	.2	.1	1.2	1.3	1.6	1.7	1.4	1.2	1.1	.0	.1	.2	.2	.4	.4
190.	*	1.1	1.4	1.4	1.0	.4	.2	.1	1.0	1.2	1.6	1.6	1.4	1.4	1.1	.0	.0	.2	.2	.4	.4
195.	*	1.1	1.4	1.4	1.0	.4	.2	.1	1.0	1.2	1.7	1.4	1.2	1.5	1.2	.0	.0	.2	.2	.4	.4
200.	*	1.1	1.2	1.2	1.0	.4	.1	.2	1.0	1.3	1.6	1.4	1.1	1.5	1.0	.0	.0	.0	.2	.4	.5
205.	*	.9	1.1	1.1	1.0	.5	.1	.1	1.1	1.4	1.5	1.4	1.2	1.3	.9	.0	.0	.0	.2	.3	.5

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JOB: PurpleLine S11 Low LRT 2015PM

RUN: PurpleLine S11 Low LRT 2015PM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.9	1.1	1.1	.9	.5	.2	.1	1.1	1.4	1.5	1.3	1.2	1.4	1.0	.0	.0	.0	.1	.3	.3
215.	*	.9	1.1	1.1	.9	.5	.2	.1	1.3	1.3	1.3	1.3	1.3	1.4	.9	.0	.0	.0	.0	.3	.3
220.	*	.9	1.1	1.1	.9	.5	.2	.1	1.3	1.3	1.4	1.3	1.4	1.5	.8	.0	.0	.0	.0	.1	.3
225.	*	.9	1.1	1.1	1.0	.5	.2	.1	1.3	1.4	1.4	1.3	1.5	1.4	.8	.0	.0	.0	.0	.0	.0
230.	*	.9	1.1	1.1	1.0	.3	.2	.1	1.5	1.4	1.5	1.4	1.5	1.3	1.0	.0	.0	.0	.0	.0	.0
235.	*	.9	1.1	1.1	1.1	.4	.2	.1	1.5	1.4	1.3	1.4	1.5	1.3	1.2	.0	.0	.0	.0	.0	.0
240.	*	.9	1.1	1.1	1.1	.4	.2	.2	1.5	1.5	1.3	1.4	1.5	1.3	1.2	.0	.0	.0	.0	.0	.0
245.	*	.9	1.1	1.1	1.1	.4	.2	.2	1.5	1.5	1.2	1.6	1.5	1.2	1.1	.0	.0	.0	.0	.0	.0
250.	*	.9	1.1	1.1	1.1	.3	.3	.2	1.6	1.4	1.3	1.6	1.4	1.3	1.0	.0	.0	.0	.0	.0	.0
255.	*	.9	1.1	1.1	1.3	.5	.3	.1	1.5	1.3	1.2	1.6	1.4	1.2	1.0	.0	.0	.0	.0	.0	.0
260.	*	.9	1.1	1.1	1.3	.5	.4	.4	1.5	1.3	1.2	1.6	1.4	1.3	1.0	.0	.0	.0	.0	.0	.0
265.	*	.9	1.1	1.1	1.2	.5	.6	.5	1.4	1.3	1.0	1.5	1.4	1.2	.8	.0	.0	.0	.0	.0	.0
270.	*	.9	1.1	1.1	1.3	.7	.5	.7	1.3	1.2	1.0	1.4	1.5	1.2	.7	.0	.0	.0	.0	.0	.0
275.	*	.9	1.1	1.1	1.3	.7	.7	.7	1.2	1.0	1.0	1.6	1.5	1.2	.7	.0	.0	.0	.0	.0	.0
280.	*	.9	1.1	1.2	1.2	.7	.8	.8	1.0	.8	.9	1.6	1.4	1.0	.6	.0	.0	.0	.0	.0	.0
285.	*	.9	1.1	1.2	1.2	.8	.9	.7	.8	.8	.9	1.6	1.6	1.1	.6	.0	.0	.0	.0	.0	.0
290.	*	1.0	1.2	1.2	1.1	1.1	.8	.8	.6	.7	.8	1.8	1.5	1.0	.5	.0	.0	.0	.0	.0	.0
295.	*	1.2	1.3	1.2	1.1	1.2	1.0	.9	.4	.7	.7	1.8	1.4	1.0	.5	.0	.0	.0	.0	.0	.0
300.	*	1.4	1.4	1.3	1.1	1.1	1.0	.9	.4	.4	.7	1.8	1.3	1.1	.6	.0	.0	.0	.0	.0	.0
305.	*	1.4	1.5	1.4	1.2	1.2	.9	.9	.2	.3	.6	1.8	1.3	1.1	.6	.0	.0	.0	.0	.0	.0
310.	*	1.4	1.6	1.4	1.2	1.1	.8	.9	.1	.2	.6	1.7	1.2	1.1	.6	.0	.0	.0	.0	.0	.0
315.	*	1.5	1.6	1.5	1.3	1.0	.8	.8	.0	.1	.7	1.9	1.3	1.0	.5	.0	.0	.0	.0	.0	.0
320.	*	1.6	1.7	1.6	1.2	.8	.7	.7	.0	.1	.3	1.7	1.2	.9	.6	.0	.0	.1	.0	.0	.0
325.	*	1.5	1.7	1.3	1.1	.8	.7	.7	.0	.0	.1	1.6	1.0	.8	.6	.0	.1	.2	.0	.0	.0
330.	*	1.6	1.4	1.3	1.0	.7	.7	.7	.0	.0	.1	1.3	.8	.6	.5	.2	.3	.4	.0	.0	.0
335.	*	1.2	1.0	1.3	.7	.7	.7	.7	.0	.0	.1	1.0	.7	.7	.5	.2	.4	.4	.1	.0	.0
340.	*	1.0	.9	.9	.5	.7	.7	.7	.0	.0	.2	.9	.5	.4	.2	.4	.6	.1	.0	.0	.0
345.	*	.7	.6	.7	.5	.7	.7	.7	.0	.0	.0	.6	.3	.4	.5	.3	.6	.6	.3	.1	.0
350.	*	.5	.6	.4	.5	.7	.7	.7	.0	.0	.0	.4	.4	.4	.5	.3	.6	.7	.4	.1	.0
355.	*	.4	.2	.3	.4	.7	.7	.7	.0	.0	.0	.2	.3	.6	.4	.8	.7	.4	.1	.1	.1
360.	*	.1	.2	.4	.4	.7	.7	.7	.0	.0	.0	.1	.1	.3	.5	.3	.8	.7	.4	.2	.1
MAX	*	1.6	1.7	1.6	1.3	1.2	1.0	.9	1.6	1.5	1.7	2.0	1.6	1.5	1.2	1.3	1.2	1.1	.9	1.1	.9
DEGR.	*	320	320	320	255	295	295	250	240	195	165	170	180	235	125	125	50	130	100	90	

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JOB: PurpleLine S11 Low LRT 2015PM

RUN: PurpleLine S11 Low LRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.



WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.9	1.1	1.2	.8	1.2	1.3	
5.	*	.1	.3	.8	1.1	1.1	.8	1.3	1.4	
10.	*	.1	.3	.9	1.3	1.1	1.0	1.3	1.3	
15.	*	.1	.3	.9	1.3	.9	1.0	1.3	1.3	
20.	*	.1	.5	1.0	1.4	.9	1.0	1.4	1.4	
25.	*	.2	.4	1.0	1.4	.9	1.2	1.3	1.2	
30.	*	.3	.4	1.0	1.2	.9	1.2	1.4	1.2	
35.	*	.4	.5	1.1	1.2	.9	1.3	1.2	1.2	
40.	*	.3	.7	1.1	1.1	1.0	1.4	1.2	1.1	
45.	*	.4	.7	1.0	1.0	1.0	1.4	1.2	1.1	
50.	*	.5	.7	1.0	1.0	.9	1.4	1.1	1.1	
55.	*	.4	.6	.8	1.2	.9	1.3	1.2	1.1	
60.	*	.6	.7	.9	1.2	.9	1.3	1.1	1.1	
65.	*	.6	.7	.8	1.2	1.1	1.3	1.1	1.0	
70.	*	.7	.7	.8	1.1	1.1	1.4	1.1	1.0	
75.	*	.6	.6	.8	1.0	1.2	1.3	1.1	1.0	
80.	*	.6	.5	.9	1.0	1.2	1.2	1.0	1.0	
85.	*	.6	.5	.7	.9	1.2	1.1	1.0	1.0	
90.	*	.6	.4	.6	.7	1.2	.9	1.0	1.0	
95.	*	.7	.4	.6	.5	1.0	.9	1.0	.9	
100.	*	.8	.2	.3	.7	1.0	.9	1.0	.9	
105.	*	.8	.2	.3	.6	1.0	1.0	1.1	1.0	
110.	*	.8	.1	.4	.5	1.0	1.1	1.1	1.0	
115.	*	.7	.1	.5	.5	.9	1.1	1.1	1.0	
120.	*	.7	.1	.4	.5	1.1	1.2	1.2	1.1	
125.	*	.7	.1	.3	.5	1.1	1.2	1.1	1.2	
130.	*	.7	.1	.2	.5	1.1	1.2	1.1	1.1	
135.	*	.5	.1	.3	.5	1.1	1.1	1.2	1.1	
140.	*	.5	.0	.3	.6	1.1	1.2	1.1	.9	
145.	*	.5	.0	.1	.3	1.2	1.0	1.0	1.1	
150.	*	.5	.0	.0	.3	.9	.9	1.0	1.0	
155.	*	.5	.0	.0	.2	.8	.8	.8	.6	
160.	*	.4	.0	.0	.0	.8	.7	.6	.5	
165.	*	.4	.0	.0	.0	.4	.5	.4	.4	
170.	*	.4	.0	.0	.0	.3	.2	.2	.2	
175.	*	.4	.0	.0	.0	.1	.1	.1	.1	
180.	*	.5	.0	.0	.0	.1	.1	.1	.1	
185.	*	.6	.0	.0	.0	.0	.1	.1	.1	
190.	*	.6	.0	.0	.0	.0	.0	.0	.0	
195.	*	.6	.0	.0	.0	.0	.0	.0	.0	
200.	*	.5	.0	.0	.0	.0	.0	.0	.0	
205.	*	.4	.0	.0	.0	.0	.0	.0	.0	

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JOB: PurpleLine S11 Low LRT 2015PM

RUN: PurpleLine S11 Low LRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0	
215.	*	.3	.0	.0	.0	.0	.0	.0	.0	
220.	*	.2	.0	.0	.0	.0	.0	.0	.0	
225.	*	.1	.0	.0	.0	.0	.0	.0	.0	
230.	*	.0	.1	.0	.0	.0	.0	.0	.0	
235.	*	.0	.1	.0	.0	.0	.0	.0	.0	
240.	*	.0	.1	.1	.0	.0	.0	.0	.0	
245.	*	.0	.2	.1	.1	.1	.0	.0	.0	
250.	*	.0	.2	.2	.2	.2	.0	.0	.0	
255.	*	.0	.2	.3	.2	.3	.0	.0	.0	
260.	*	.0	.2	.3	.3	.4	.0	.0	.0	
265.	*	.0	.4	.3	.3	.7	.1	.0	.0	
270.	*	.0	.4	.2	.5	.8	.1	.0	.0	
275.	*	.0	.4	.2	.6	.9	.2	.0	.0	
280.	*	.0	.3	.2	.7	1.0	.2	.0	.0	
285.	*	.0	.2	.3	.7	1.0	.3	.1	.0	
290.	*	.0	.2	.3	.8	1.0	.3	.1	.0	
295.	*	.0	.2	.3	.8	1.0	.3	.2	.0	
300.	*	.0	.2	.4	.8	1.0	.4	.2	.0	
305.	*	.0	.2	.4	.9	.9	.4	.2	.1	
310.	*	.0	.3	.6	.9	1.0	.4	.3	.2	
315.	*	.0	.4	.6	.9	1.0	.5	.3	.2	
320.	*	.0	.4	.7	.9	.9	.5	.3	.2	
325.	*	.0	.4	.7	.9	.9	.4	.4	.2	
330.	*	.0	.4	.7	.8	1.3	.6	.5	.5	
335.	*	.0	.4	.8	1.0	1.2	.7	.5	.7	
340.	*	.0	.4	.7	1.0	1.2	.8	.9	.9	
345.	*	.0	.3	.9	.9	1.2	.8	1.2	1.0	
350.	*	.0	.3	1.0	.9	1.1	.8	1.0	.9	
355.	*	.0	.4	.9	1.0	1.2	1.0	1.1	1.1	
360.	*	.0	.4	.9	1.1	1.2	.8	1.2	1.3	
MAX	*	.8	.7	1.1	1.4	1.3	1.4	1.4	1.4	
DEGR.	*	100	40	35	20	330	40	30	5	

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 165 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 195 DEGREES FROM REC10.

PurpleLine S11 HighLRT 2015AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 HighLRT 2015AM	69	1	0
0	ADnbAP	AG	2094. 1673. 1803. 2404. 1325 4.7 0 44 30.
0	ADnbT	AG	1797. 2401. 1636. 2800. 970 4.7 0 56 30.
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
241		171	2.0 970 37.8 1695 1 3
0	ADnbR	AG	1815. 2410. 1711. 2675. 135 4.7 0 32 30.
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
241		171	2.0 135 37.8 1583 1 3
0	ADnbR	AG	1711. 2675. 1722. 2740. 135 4.7 0 32 30.
0	ADnbR	AG	1722. 2740. 1789. 2778. 135 4.7 0 32 30.
0	ADnbL	AG	1772. 2400. 1616. 2796. 220 4.7 0 32 30.
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
241		201	2.0 220 37.8 1770 1 3
0	ADnb2	AG	1639. 2803. 1570. 2969. 1060 4.7 0 56 30.
0	ADnbT2	AG	1571. 2968. 1458. 3168. 680 4.7 0 56 30.
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
241		181	2.0 680 37.8 1695 1 3
0	ADnbR2	AG	1592. 2972. 1555. 3064. 380 4.7 0 32 30.
0	ADnbR2	AG	1555. 3064. 1551. 3156. 380 4.7 0 32 30.
0	ADnbR2	AG	1551. 3156. 1615. 3374. 380 4.7 0 32 30.
0	ADnbD	AG	1460. 3169. 1201. 3572. 935 4.7 0 56 30.
0	ADnbD	AG	1201. 3572. 1110. 3763. 935 4.7 0 44 30.
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1275 3.6 0 68 30.
0	ADsbT	AG	1177. 3473. 1422. 3106. 995 3.6 0 56 30.
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
241		149	2.0 995 37.8 1695 1 3
0	ADsbR	AG	1177. 3439. 1306. 3233. 70 3.6 0 32 30.
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
241		149	2.0 70 37.8 1583 1 3
0	ADsbR	AG	1306. 3233. 1327. 3131. 70 3.6 0 32 30.
0	ADsbR	AG	1327. 3131. 1296. 3001. 70 3.6 0 32 30.
0	ADsbR	AG	1296. 3001. 1249. 2911. 70 3.6 0 32 30.
0	ADsbL	AG	1228. 3446. 1435. 3128. 210 3.6 0 32 30.
0	ADsbLQ	AG	1388. 3200. 1240. 3427. 0. 12 1
241		201	2.0 210 37.8 1770 1 3
0	ADsb2	AG	1422. 3107. 1495. 2999. 1555 3.6 0 56 30.
0	ADsbT2	AG	1483. 2997. 1593. 2797. 1315 3.6 0 44 30.

0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		241	133	2.0	1315	37.8	1770	1 3					
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		241	163	2.0	240	37.8	1717	1 3					
0	1	ADsblD	AG	1595.	2795.	1972.	1867.		1630	3.6	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		1200	3.7	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		1200	3.7	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		360	3.7	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		360	3.7	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		360	3.7	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		241	183	2.0	360	37.8	1583	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		415	3.7	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		550	3.7	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		465	4.1	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		241	201	2.0	465	37.8	1672	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		465	4.1	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		465	4.1	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		465	4.1	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		840	3.5	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		241	98	2.0	840	37.8	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		835	3.5	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		730	3.5	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		241	151	2.0	730	37.8	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		105	3.5	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		241	201	2.0	105	37.8	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		1320	3.5	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		1320	3.5	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2050	3.5	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1330	3.5	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		241	129	2.0	1330	37.8	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		150	3.5	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		241	129	2.0	150	37.8	1583	1 3					
0	1	193wbR	AG	1451.									

JOB: PurpleLine S11 HighLRT 2015AM  
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SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1325.	4.7	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	970.	4.7	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1773.6	2457.8	*	302.	158. AG	216.	100.0	.0	36.0	.70 15.3
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	135.	4.7	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1760.0	2551.4	*	126.	159. AG	72.	100.0	.0	12.0	.31 6.4
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	135.	4.7	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	135.	4.7	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	4.7	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1736.8	2489.3	*	258.	158. AG	85.	100.0	.0	12.0	.83 13.1
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1060.	4.7	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	680.	4.7	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1623.3	2874.8	*	224.	151. AG	228.	100.0	.0	36.0	.58 11.4
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	380.	4.7	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	380.	4.7	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	380.	4.7	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	935.	4.7	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	935.	4.7	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1275.	3.6	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	995.	3.6	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1222.6	3405.5	*	270.	326. AG	188.	100.0	.0	36.0	.54 13.7
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	70.	3.6	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1272.7	3286.3	*	57.	328. AG	63.	100.0	.0	12.0	.12 2.9
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	70.	3.6	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	70.	3.6	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	70.	3.6	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	210.	3.6	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1256.6	3401.5	*	241.	327. AG	85.	100.0	.0	12.0	.80 12.2
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1555.	3.6	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1315.	3.6	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1330.0	3273.2	*	484.	331. AG	112.	100.0	.0	24.0	.86 24.6
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1534.4	2947.7	*	107.	331. AG	137.	100.0	.0	24.0	.23 5.4
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1630.	3.6	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1200.	3.7	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1200.	3.7	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	360.	3.7	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	360.	3.7	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	360.	3.7	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1463.8	2755.1	*	120.	263. AG	231.	100.0	.0	36.0	.34 6.1
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	415.	3.7	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	550.	3.7	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	465.	4.1	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1868.1	2801.3	*	170.	93. AG	254.	100.0	.0	36.0	.62 8.7
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	465.	4.1	.0	44.0	

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RUN: PurpleLine S11 HighLRT 2015AM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	465.	4.1	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	465.	4.1	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	840.	3.5	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	990.2	2587.7	*	225.	234. AG	82.	100.0	.0	24.0	.42 11.4
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	835.	3.5	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	730.	3.5	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1261.9	2766.0	*	301.	215. AG	127.	100.0	.0	24.0	.58 15.3
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	105.	3.5	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1355.1	2927.7	*	115.	216. AG	85.	100.0	.0	12.0	.40 5.9
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1320.	3.5	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1320.	3.5	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	3.5	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1330.	3.5	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1591.8	3704.7	*	469.	17. AG	109.	100.0	.0	24.0	.84 23.8
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	150.	3.5	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1487.6	3446.3	*	106.	19. AG	54.	100.0	.0	12.0	.21 5.4
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	150.	3.5	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	570.	3.5	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1557.6	3517.8	*	295.	17. AG	157.	100.0	.0	24.0	.79 15.0
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1400.	3.5	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1400.	3.5	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1410.5	3073.6	*	379.	43. AG	82.	100.0	.0	24.0	.87 19.3
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1400.	3.5	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1865.	3.5	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1865.	3.5	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	241	171	2.0	970	1695	37.80	1	3
5. 0	ADnbRQ	241	171	2.0	135	1583	37.80	1	3
9. 0	ADnbLQ	241	201	2.0	220	1770	37.80	1	3
12. 0	ADnbT2Q	241	181	2.0	680	1695	37.80	1	3
20. 0	ADsbTQ	241	149	2.0	995	1695	37.80	1	3
22. 0	ADsbRQ	241	149	2.0	70	1583	37.80	1	3
27. 0	ADsbLQ	241	201	2.0	210	1770	37.80	1	3
30. 0	ADsbT2Q	241	133	2.0	1315	1770	37.80	1	3
32. 0	ADsbL2Q	241	163	2.0	240	1717	37.80	1	3
39. 0	CMebTRq	241	183	2.0	360	1583	37.80	1	3
43. 0	CMwbQ	241	201	2.0	465	1672	37.80	1	3
48. 0	193ebLQ	241	98	2.0	840	1717	37.80	1	3
51. 0	193ebT	241	151	2.0	730	1770	37.80	1	3
53. 0	193ebL	241	201	2.0	105	1770	37.80	1	3
58. 0	193wbT	241	129	2.0	1330	1770	37.80	1	3
60. 0	193wbR	241	129	2.0	150	1583	37.80	1	3
63. 0	193wbL	241	186	2.0	570	1717	37.80	1	3
66. 0	193wbQ	241	98	2.0	1400	1394	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

JOB: PurpleLine S11 HighLRT 2015AM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.1	.3	.3	.7	.8	.5	.1	.1
5. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.3	.4	.8	.8	.6	.1	.1	
10. *	.1	.1	.2	.4	.6	.1	.1	.0	.0	.0	.0	.0	.1	.5	.8	.8	.6	.2	.1	

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15. * .1 .1 .2 .4 .5 .1 .1 .0 .0 .0 .0 .0 .1 .5 .8 .8 .6 .2 .1
20. * .0 .1 .2 .4 .5 .1 .1 .0 .0 .0 .0 .0 .0 .5 .7 .9 .6 .3 .1
25. * .0 .1 .2 .4 .4 .1 .1 .0 .0 .0 .0 .0 .0 .6 .7 .9 .7 .4 .4
30. * .0 .0 .1 .4 .4 .1 .1 .0 .0 .0 .0 .0 .0 .6 .7 .9 .8 .4 .5
35. * .0 .0 .1 .4 .3 .1 .1 .0 .0 .0 .0 .0 .0 .6 .7 1.0 .7 .5 .4
40. * .0 .0 .1 .4 .3 .1 .2 .0 .0 .0 .0 .0 .0 .6 .8 1.0 .6 .3 .4
45. * .0 .0 .1 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .7 .8 1.0 .6 .3 .3
50. * .0 .0 .0 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .8 .9 1.2 .6 .2 .3
55. * .0 .0 .0 .3 .3 .2 .2 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .4 .3 .4
60. * .0 .0 .0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .4 .3 .5
65. * .0 .0 .0 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .9 .9 1.2 .3 .3 .7
70. * .0 .0 .0 .2 .2 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.0 1.2 .2 .4 .7
75. * .0 .0 .0 .2 .2 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.0 1.2 .2 .4 .8
80. * .0 .0 .0 .1 .2 .2 .2 .1 .1 .2 .1 .0 .0 .0 1.0 1.0 1.0 .2 .4 .8
85. * .0 .0 .0 .0 .2 .2 .2 .1 .2 .3 .1 .0 .0 .0 1.0 1.0 1.0 .2 .5 .6
90. * .0 .0 .0 .0 .1 .1 .1 .1 .2 .5 .2 .0 .0 .0 1.0 1.1 .9 .3 .5 .6
95. * .0 .0 .0 .0 .1 .1 .1 .1 .3 .6 .4 .0 .0 .0 1.0 1.1 .8 .3 .6 .6
100. * .0 .0 .0 .0 .1 .1 .1 .1 .4 .7 .5 .1 .0 .0 1.0 1.1 .6 .4 .6 .6
105. * .0 .0 .0 .0 .1 .1 .1 .2 .6 .9 .6 .1 .0 .0 .9 1.0 .6 .4 .7 .5
110. * .0 .0 .0 .0 .0 .0 .0 .2 .7 1.0 .6 .1 .0 .0 .9 1.2 .6 .6 .7 .5
115. * .0 .0 .0 .0 .0 .0 .0 .2 .8 1.0 .6 .2 .1 .0 .9 1.1 .6 .6 .7 .6
120. * .0 .0 .0 .0 .0 .0 .0 .2 .8 1.0 .6 .2 .1 .0 .9 1.1 .6 .6 .5 .6
125. * .0 .0 .0 .0 .0 .0 .0 .2 .9 1.0 .6 .3 .1 .1 .9 1.0 .6 .6 .6 .6
130. * .0 .0 .0 .0 .0 .0 .0 .2 .9 1.0 .5 .3 .1 .1 .9 .8 .6 .5 .5 .6
135. * .0 .0 .0 .0 .0 .0 .0 .2 .9 1.0 .4 .3 .2 .1 .8 .8 .6 .6 .5 .5
140. * .0 .0 .0 .0 .0 .0 .0 .2 .9 1.0 .4 .2 .2 .1 .6 .7 .5 .5 .5 .4
145. * .1 .0 .0 .0 .0 .0 .0 .1 .9 .9 .4 .3 .3 .2 .6 .5 .4 .5 .4 .4
150. * .1 .1 .2 .0 .0 .0 .0 .1 .9 .9 .5 .3 .3 .3 .4 .2 .4 .5 .3 .4
155. * .1 .3 .4 .1 .0 .0 .0 .1 .9 .9 .6 .6 .6 .4 .2 .3 .4 .3 .3 .4
160. * .3 .4 .6 .2 .0 .0 .0 .1 .8 1.0 .7 .7 .8 .6 .1 .1 .3 .3 .3 .4
165. * .4 .4 .7 .3 .0 .0 .0 .1 .8 1.0 .8 .7 .8 .6 .0 .1 .3 .3 .4 .4
170. * .4 .5 .8 .6 .0 .0 .0 .1 .9 1.1 .7 .8 .8 .9 .0 .1 .2 .3 .3 .4
175. * .4 .6 1.1 .6 .1 .0 .0 .1 .9 1.3 .7 .9 .9 1.0 .0 .0 .2 .3 .4 .4
180. * .3 .7 1.1 .6 .0 .0 .0 .1 1.0 1.3 .8 .7 1.2 1.0 .0 .0 .2 .3 .4 .3
185. * .3 .6 1.2 .8 .2 .0 .0 .1 1.1 1.5 .7 .7 .9 1.2 .0 .0 .1 .3 .4 .3
190. * .3 .7 1.2 .8 .2 .0 .0 .1 1.1 1.5 .6 .8 1.1 1.1 .0 .0 .1 .2 .3 .4
195. * .3 .7 1.2 .8 .2 .0 .0 .2 1.2 1.4 .5 .9 1.1 1.1 .0 .0 .0 .2 .3 .4
200. * .2 .7 1.1 .8 .3 .1 .0 .2 1.2 1.4 .4 .8 1.2 1.1 .0 .0 .0 .2 .3 .3
205. * .2 .7 1.1 .8 .3 .1 .0 .3 1.2 1.3 .4 1.0 1.3 .9 .0 .0 .0 .1 .2 .2

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JOB: PurpleLine S11 HighLRT 2015AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----
210. * .2 .8 1.0 .7 .3 .1 .0 .3 1.1 1.3 .3 1.1 1.3 .9 .0 .0 .0 .1 .2 .2
215. * .2 .9 1.0 .7 .3 .1 .1 .3 1.1 1.2 .3 1.1 1.3 .8 .0 .0 .0 .0 .2 .2
220. * .2 .8 1.0 .7 .2 .1 .1 .4 1.1 1.1 .4 1.2 1.1 .8 .0 .0 .0 .0 .2 .2
225. * .3 .8 1.0 .7 .2 .1 .1 .5 1.2 1.1 .4 1.1 1.1 .7 .0 .0 .0 .0 .0 .1
230. * .3 .8 1.0 .6 .2 .1 .1 .5 1.1 1.1 .3 1.2 1.3 .7 .0 .0 .0 .0 .0 .0
235. * .4 .8 1.0 .7 .2 .1 .1 .6 1.1 1.0 .3 1.2 1.2 .9 .0 .0 .0 .0 .0 .0
240. * .4 .8 1.0 .7 .2 .1 .1 .7 1.1 .8 .4 1.2 1.2 .9 .0 .0 .0 .0 .0 .0
245. * .5 .8 1.0 .6 .2 .1 .1 .8 1.2 .7 .4 1.2 1.1 .9 .0 .0 .0 .0 .0 .0
250. * .5 .8 1.0 .6 .2 .1 .1 .9 1.1 .6 .4 1.2 1.1 .9 .0 .0 .0 .0 .0 .0
255. * .6 .8 1.0 .6 .1 .1 .1 1.0 1.1 .6 .3 1.2 1.2 .8 .0 .0 .0 .0 .0 .0
260. * .6 .9 1.0 .7 .2 .1 .1 .9 1.0 .6 .4 1.3 1.1 .8 .0 .0 .0 .0 .0 .0
265. * .7 .9 1.0 .7 .2 .3 .3 .9 .9 .5 .5 1.3 1.1 .7 .0 .0 .0 .0 .0 .0
270. * .7 .9 1.0 .5 .3 .4 .3 .8 .7 .5 .6 1.3 1.1 .6 .0 .0 .0 .0 .0 .0
275. * .7 .9 1.0 .5 .3 .4 .3 .7 .6 .7 .6 1.3 1.1 .6 .0 .0 .0 .0 .0 .0
280. * .7 1.0 1.0 .5 .3 .5 .3 .6 .6 .6 .6 1.2 1.1 .5 .0 .0 .0 .0 .0 .0
285. * .9 1.0 1.1 .4 .5 .6 .5 .6 .5 .5 .9 1.2 1.0 .5 .0 .0 .0 .0 .0 .0
290. * .9 1.1 1.2 .4 .5 .7 .5 .4 .4 .5 1.0 1.4 1.0 .5 .0 .0 .0 .0 .0 .0
295. * 1.0 1.1 1.2 .3 .8 .8 .5 .3 .4 .5 1.1 1.2 1.0 .5 .0 .0 .0 .0 .0 .0
300. * 1.0 1.3 1.2 .3 .9 .8 .5 .3 .3 .6 1.1 1.1 1.0 .5 .0 .0 .0 .0 .0 .0
305. * 1.1 1.3 1.3 .3 .9 .8 .4 .1 .3 .6 1.1 1.1 1.0 .5 .0 .0 .0 .0 .0 .0
310. * 1.2 1.3 1.2 .4 .9 .6 .4 .1 .2 .5 1.1 1.2 .8 .6 .0 .0 .0 .0 .0 .0
315. * 1.2 1.3 1.4 .6 1.0 .6 .2 .0 .1 .4 1.1 1.1 .8 .5 .0 .0 .0 .0 .0 .0
320. * 1.2 1.5 1.0 .6 .9 .4 .2 .0 .1 .4 1.1 1.0 .7 .4 .0 .0 .1 .0 .0 .0
325. * 1.2 1.3 .8 .5 .7 .3 .2 .0 .0 .1 .9 .9 .5 .5 .0 .1 .1 .0 .0 .0
330. * 1.2 1.0 .7 .5 .6 .2 .1 .0 .0 .1 .9 .7 .5 .5 .2 .2 .3 .1 .0 .0
335. * .8 .9 .7 .3 .6 .2 .1 .0 .0 .1 .6 .4 .4 .4 .2 .3 .4 .1 .0 .0
340. * .7 .6 .5 .4 .6 .1 .1 .0 .0 .0 .6 .3 .3 .4 .2 .3 .5 .1 .0 .0
345. * .5 .5 .3 .4 .6 .1 .1 .0 .0 .0 .3 .3 .2 .4 .3 .4 .6 .2 .1 .0
350. * .3 .3 .2 .3 .6 .1 .1 .0 .0 .0 .1 .3 .2 .3 .2 .5 .7 .3 .1 .0
355. * .2 .1 .2 .4 .6 .1 .1 .0 .0 .0 .1 .2 .3 .2 .2 .5 .8 .4 .1 .1
360. * .1 .1 .2 .4 .6 .1 .1 .0 .0 .0 .0 .1 .3 .3 .3 .7 .8 .5 .1 .1
-----
MAX * 1.2 1.5 1.4 .8 1.0 .8 .5 1.0 1.2 1.5 1.1 1.4 1.3 1.2 1.0 1.2 1.2 .8 .7 .8
DEGR. * 310 320 315 185 315 295 285 255 195 185 295 290 205 185 70 110 50 30 105 75

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.2	1.0	.9	.6	.8	1.2
5.	*	.1	.2	.2	1.1	.8	.5	1.0	1.1
10.	*	.1	.2	.2	1.1	.8	.7	.9	1.1
15.	*	.1	.2	.3	1.1	.5	.6	1.0	1.2
20.	*	.1	.3	.3	1.1	.4	.6	1.0	1.1
25.	*	.1	.2	.3	1.1	.4	.7	1.1	1.1
30.	*	.1	.2	.5	1.1	.3	.7	1.0	1.0
35.	*	.2	.2	.5	1.1	.3	.9	1.0	1.0
40.	*	.3	.2	.6	.7	.4	.9	.9	.9
45.	*	.4	.2	.5	.7	.4	.9	.9	.9
50.	*	.5	.2	.5	.6	.4	1.0	1.0	.9
55.	*	.6	.2	.5	.6	.5	1.0	1.0	.9
60.	*	.6	.3	.5	.7	.5	1.0	.9	.8
65.	*	.6	.3	.5	.6	.6	.9	.9	.8
70.	*	.7	.3	.5	.6	.6	.9	.9	.8
75.	*	.7	.3	.4	.6	.6	.9	.9	.8
80.	*	.6	.3	.4	.5	.6	.8	.9	.8
85.	*	.6	.3	.4	.4	.6	.8	.9	.8
90.	*	.6	.2	.4	.5	.6	.8	.9	.8
95.	*	.5	.1	.3	.5	.6	.8	.9	.8
100.	*	.5	.1	.2	.5	.6	.9	.9	.8
105.	*	.5	.1	.3	.5	.7	.9	.9	.8
110.	*	.6	.1	.3	.5	.7	.9	.8	.8
115.	*	.6	.1	.2	.5	.8	1.0	.9	.7
120.	*	.5	.1	.2	.5	.8	1.1	1.0	.8
125.	*	.5	.0	.2	.5	.9	1.1	.9	.7
130.	*	.4	.0	.2	.4	.9	1.0	.9	.7
135.	*	.4	.0	.2	.2	.9	.9	.8	.6
140.	*	.4	.0	.1	.2	.9	.8	.9	.6
145.	*	.4	.0	.0	.2	.8	.9	.9	.5
150.	*	.3	.0	.0	.1	.8	.8	.8	.4
155.	*	.3	.0	.0	.1	.7	.7	.5	.4
160.	*	.3	.0	.0	.0	.5	.4	.5	.4
165.	*	.3	.0	.0	.0	.3	.3	.2	.2
170.	*	.3	.0	.0	.0	.1	.2	.2	.2
175.	*	.4	.0	.0	.0	.1	.1	.1	.1
180.	*	.4	.0	.0	.0	.1	.1	.1	.1
185.	*	.4	.0	.0	.0	.0	.1	.1	.1
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.4	.0	.0	.0	.0	.0	.0	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S11 HighLRT 2015AM

RUN: PurpleLine S11 HighLRT 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.1	.0	.0	.0
255.	*	.0	.1	.0	.0	.1	.0	.0	.0
260.	*	.0	.1	.0	.0	.2	.0	.0	.0
265.	*	.0	.1	.0	.0	.3	.0	.0	.0
270.	*	.0	.1	.0	.1	.4	.0	.0	.0
275.	*	.0	.1	.0	.1	.5	.0	.0	.0
280.	*	.0	.0	.0	.2	.6	.0	.0	.0
285.	*	.0	.0	.0	.3	.8	.1	.0	.0
290.	*	.0	.0	.1	.4	.8	.1	.0	.0
295.	*	.0	.0	.1	.5	.8	.1	.0	.0
300.	*	.0	.0	.1	.5	.8	.3	.1	.0
305.	*	.0	.0	.1	.6	.8	.3	.1	.0
310.	*	.0	.1	.1	.6	.7	.3	.2	.1
315.	*	.0	.2	.1	.6	.8	.5	.2	.2
320.	*	.0	.2	.2	.7	.8	.5	.2	.2
325.	*	.0	.2	.2	.7	.7	.4	.3	.2
330.	*	.0	.2	.1	.7	1.2	.5	.5	.4
335.	*	.0	.2	.1	.9	1.1	.7	.5	.6
340.	*	.0	.2	.1	.9	1.0	.7	.6	.8
345.	*	.0	.2	.2	.8	1.0	.8	.8	.9
350.	*	.0	.3	.3	.8	.9	.9	.8	.8
355.	*	.0	.3	.3	.8	.9	.7	.8	.9
360.	*	.0	.2	.2	1.0	.9	.6	.8	1.2
MAX	*	.7	.3	.6	1.1	1.2	1.1	1.1	1.2
DEGR.	*	70	20	40	5	330	120	25	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 320 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 185 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 315 DEGREES FROM REC3 .

PurpleLine S11 HighLRT 2015PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 HighLRT 2015PM	69	1	0
1			
0	ADnbAP	AG 2094. 1673. 1803. 2404.	1995 5.0 0 44 30.
1			
0	ADnbT	AG 1797. 2401. 1636. 2800.	1555 5.0 0 56 30.
2			
0	ADnbTQ	AG 1661. 2738. 1786. 2427.	0. 36 3
248	158	2.0 1555 37.8 1695 1 3	
1			
0	ADnbR	AG 1815. 2410. 1711. 2675.	220 5.0 0 32 30.
2			
0	ADnbRQ	AG 1714. 2669. 1804. 2439.	0. 12 1
248	158	2.0 220 37.8 1583 1 3	
1			
0	ADnbR	AG 1711. 2675. 1722. 2740.	220 5.0 0 32 30.
1			
0	ADnbR	AG 1722. 2740. 1789. 2778.	220 5.0 0 32 30.
1			
0	ADnbL	AG 1772. 2400. 1616. 2796.	220 5.0 0 32 30.
2			
0	ADnbLQ	AG 1642. 2729. 1765. 2418.	0. 12 1
248	214	2.0 220 37.8 1770 1 3	
1			
0	ADnb2	AG 1639. 2803. 1570. 2969.	1945 5.0 0 56 30.
1			
0	ADnbT2	AG 1571. 2968. 1458. 3168.	1290 5.0 0 56 30.
2			
0	ADnbT2Q	AG 1514. 3070. 1570. 2970.	0. 36 3
248	172	2.0 1290 37.8 1695 1 3	
1			
0	ADnbR2	AG 1592. 2972. 1555. 3064.	655 5.0 0 32 30.
1			
0	ADnbR2	AG 1555. 3064. 1551. 3156.	655 5.0 0 32 30.
1			
0	ADnbR2	AG 1551. 3156. 1615. 3374.	655 5.0 0 32 30.
1			
0	ADnbD	AG 1460. 3169. 1201. 3572.	1720 5.0 0 56 30.
1			
0	ADnbD	AG 1201. 3572. 1110. 3763.	1720 5.0 0 44 30.
1			
0	ADsbAP	AG 1082. 3641. 1177. 3472.	1260 3.6 0 68 30.
1			
0	ADsbT	AG 1177. 3473. 1422. 3106.	970 3.6 0 56 30.
2			
0	ADsbTQ	AG 1372. 3181. 1203. 3435.	0. 36 3
248	146	2.0 970 37.8 1695 1 3	
1			
0	ADsbR	AG 1177. 3439. 1306. 3233.	170 3.6 0 32 30.
2			
0	ADsbRQ	AG 1303. 3238. 1182. 3431.	0. 12 1
248	146	2.0 170 37.8 1583 1 3	
1			
0	ADsbR	AG 1306. 3233. 1327. 3131.	170 3.6 0 32 30.
1			
0	ADsbR	AG 1327. 3131. 1296. 3001.	170 3.6 0 32 30.
1			
0	ADsbR	AG 1296. 3001. 1249. 2911.	170 3.6 0 32 30.
1			
0	ADsbL	AG 1228. 3446. 1435. 3128.	120 3.6 0 32 30.
2			
0	ADsbLQ	AG 1388. 3200. 1240. 3427.	0. 12 1
248	214	2.0 120 37.8 1770 1 3	
1			
0	ADsb2	AG 1422. 3107. 1495. 2999.	1380 3.6 0 56 30.
1			
0	ADsbT2	AG 1483. 2997. 1593. 2797.	1140 3.6 0 44 30.



0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		248	145	2.0	1140	37.8	1770	1 3					
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		240	3.6	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		248	200	2.0	240	37.8	1717	1 3					
0	1	ADsblD	AG	1595.	2795.	1972.	1867.		1660	3.6	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		2070	4.1	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		2070	4.1	0	44	30.
0	1	CMebTTR	AG	1101.	2645.	1270.	2700.		535	4.1	0	56	30.
0	1	CMebTTR	AG	1270.	2700.	1462.	2755.		535	4.1	0	56	30.
0	1	CMebTTR	AG	1462.	2755.	1634.	2777.		535	4.1	0	56	30.
0	2	CMebTTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		248	195	2.0	535	37.8	1723	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		455	4.1	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		675	4.1	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		1085	4.1	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		248	185	2.0	1085	37.8	1691	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		715	4.1	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		715	4.1	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		715	4.1	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1535	3.5	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		248	108	2.0	1535	37.8	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1535	3.5	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		1425	3.5	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		248	141	2.0	1425	37.8	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		110	3.5	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		248	185	2.0	110	37.8	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2200	3.5	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2200	3.5	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		1805	3.5	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1070	3.5	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		248	162	2.0	1070	37.8	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		320	3.5	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		248	162	2.0	320	37.8	1583	1 3					
0	1	193wbR	AG</										

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SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1995.	5.0	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1555.	5.0	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1836.0	2302.7	*	469.	158. AG	194.	100.0	.0	36.0	.88 23.8
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	220.	5.0	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1783.3	2492.0	*	190.	159. AG	65.	100.0	.0	12.0	.40 9.7
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	220.	5.0	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	220.	5.0	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	220.	5.0	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1785.0	2367.3	*	389.	158. AG	87.	100.0	.0	12.0	1.03 19.8
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1945.	5.0	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1290.	5.0	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1721.9	2698.7	*	426.	151. AG	211.	100.0	.0	36.0	.87 21.6
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	655.	5.0	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	655.	5.0	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	655.	5.0	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1720.	5.0	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1720.	5.0	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1260.	3.6	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	970.	3.6	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1229.2	3395.7	*	258.	326. AG	179.	100.0	.0	36.0	.48 13.1
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	170.	3.6	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1230.9	3353.0	*	136.	328. AG	60.	100.0	.0	12.0	.27 6.9
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	170.	3.6	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	170.	3.6	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	170.	3.6	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	120.	3.6	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1311.3	3317.6	*	140.	327. AG	87.	100.0	.0	12.0	.56 7.1
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1380.	3.6	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1140.	3.6	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1345.3	3245.5	*	452.	331. AG	119.	100.0	.0	24.0	.81 23.0
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	240.	3.6	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1522.6	2968.9	*	131.	331. AG	164.	100.0	.0	24.0	.39 6.7
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1660.	3.6	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	2070.	4.1	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2070.	4.1	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	535.	4.1	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	535.	4.1	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	535.	4.1	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1394.7	2746.5	*	190.	263. AG	239.	100.0	.0	36.0	.52 9.6
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	455.	4.1	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	675.	4.1	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1085.	4.1	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	2094.7	2788.4	*	397.	93. AG	227.	100.0	.0	36.0	.90 20.2
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	715.	4.1	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	715.	4.1	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	715.	4.1	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1535.	3.5	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	805.1	2454.7	*	453.	234. AG	88.	100.0	.0	24.0	.82 23.0
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1535.	3.5	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1425.	3.5	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1068.7	2493.2	*	636.	215. AG	115.	100.0	.0	24.0	.97 32.3
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	110.	3.5	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1357.6	2931.0	*	111.	216. AG	76.	100.0	.0	12.0	.26 5.7
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2200.	3.5	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2200.	3.5	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	1805.	3.5	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1070.	3.5	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1604.5	3746.5	*	513.	17. AG	132.	100.0	.0	24.0	.91 26.1
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	320.	3.5	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1544.1	3614.8	*	283.	19. AG	66.	100.0	.0	12.0	.61 14.4
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	320.	3.5	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	415.	3.5	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1558.0	3519.0	*	296.	17. AG	174.	100.0	.0	24.0	.97 15.0
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1235.	3.5	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1235.	3.5	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1400.3	3062.5	*	364.	43. AG	88.	100.0	.0	24.0	.81 18.5
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1235.	3.5	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1950.	3.5	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1950.	3.5	.0	44.0	

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# ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	248	158	2.0	1555	1695	37.80	1	3
5. 0	ADnbRQ	248	158	2.0	220	1583	37.80	1	3
9. 0	ADnbLQ	248	214	2.0	220	1770	37.80	1	3
12. 0	ADnbT2Q	248	172	2.0	1290	1695	37.80	1	3
20. 0	ADsbTQ	248	146	2.0	970	1695	37.80	1	3
22. 0	ADsbRQ	248	146	2.0	170	1583	37.80	1	3
27. 0	ADsbLQ	248	214	2.0	120	1770	37.80	1	3
30. 0	ADsbT2Q	248	145	2.0	1140	1770	37.80	1	3
32. 0	ADsbL2Q	248	200	2.0	240	1717	37.80	1	3
39. 0	CMebTRq	248	195	2.0	535	1723	37.80	1	3
43. 0	CMwbQ	248	185	2.0	1085	1691	37.80	1	3
48. 0	193ebLQ	248	108	2.0	1535	1717	37.80	1	3
51. 0	193ebT	248	141	2.0	1425	1770	37.80	1	3
53. 0	193ebL	248	185	2.0	110	1770	37.80	1	3
58. 0	193wbT	248	162	2.0	1070	1770	37.80	1	3
60. 0	193wbR	248	162	2.0	320	1583	37.80	1	3
63. 0	193wbL	248	213	2.0	415	1717	37.80	1	3
66. 0	193wbQ	248	108	2.0	1235	1394	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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# RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
28. SW MID S	*	1686.0	2517.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	* *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	*	.1	.2	.4	.4	.7	.7	.7	.0	.0	.0	.1	.1	.3	.5	.3	.8	.7	.4	.2	.1
5. *	*	.1	.1	.3	.4	.7	.7	.7	.0	.0	.0	.1	.1	.1	.4	.3	.8	.7	.4	.2	.1
10. *	*	.1	.2	.3	.4	.7	.7	.7	.0	.0	.0	.1	.0	.1	.1	.3	.8	.8	.5	.2	.2

15.	*	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.1	.0	.0	.1	.4	.8	.8	.7	.3	.2
20.	*	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.1	.4	.8	.8	.7	.5	.3
25.	*	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.4	.8	.9	.8	.5	.5
30.	*	.1	.2	.2	.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.5	.8	.8	.8	.5	.4
35.	*	.1	.1	.2	.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.5	.9	.9	.8	.7	.4
40.	*	.1	.1	.2	.5	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.6	.9	.9	.7	.5	.4
45.	*	.1	.1	.2	.5	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.6	.9	1.0	.7	.3	.3
50.	*	.0	.1	.2	.5	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.7	1.0	1.1	.7	.2	.3
55.	*	.0	.1	.2	.5	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.7	1.0	1.1	.5	.3	.4
60.	*	.0	.1	.2	.6	.7	.7	.6	.1	.0	.0	.0	.0	.0	.0	.7	1.2	1.1	.4	.4	.4
65.	*	.0	.0	.1	.6	.7	.7	.5	.2	.0	.0	.0	.0	.0	.0	.8	1.2	1.1	.3	.3	.6
70.	*	.0	.0	.1	.5	.7	.6	.5	.2	.2	.2	.0	.0	.0	.0	.8	1.2	1.1	.3	.4	.8
75.	*	.0	.0	.1	.5	.8	.7	.5	.3	.2	.2	.1	.0	.0	.0	.8	1.2	1.1	.3	.4	.8
80.	*	.0	.0	.0	.5	.7	.6	.4	.4	.3	.3	.1	.0	.0	.0	.8	1.1	1.0	.4	.4	.7
85.	*	.0	.0	.0	.4	.6	.5	.4	.6	.6	.6	.3	.0	.0	.0	1.0	1.1	1.0	.4	.7	.7
90.	*	.0	.0	.0	.3	.4	.4	.3	.8	.7	.7	.4	.1	.0	.0	1.0	1.1	.9	.5	.7	.9
95.	*	.0	.0	.0	.1	.4	.3	.2	1.0	1.0	1.0	.5	.1	.0	.0	1.0	1.1	.9	.4	.9	.9
100.	*	.0	.0	.0	.0	.3	.3	.2	1.3	1.1	1.1	.7	.2	.0	.0	1.0	1.1	.7	.5	1.1	.8
105.	*	.0	.0	.0	.0	.2	.1	.1	1.4	1.2	1.2	.9	.3	.1	.0	1.0	1.1	.8	.6	1.1	.8
110.	*	.0	.0	.0	.0	.1	.1	.1	1.4	1.3	1.3	.9	.4	.1	.0	1.0	1.1	1.0	.7	1.0	.7
115.	*	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	1.3	.9	.4	.1	.1	1.0	1.0	.9	.6	.9	.8
120.	*	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	1.2	.8	.4	.3	.1	1.1	1.2	.8	.7	.8	.7
125.	*	.0	.0	.0	.0	.0	.0	.0	1.3	1.2	1.1	.8	.4	.3	.1	1.3	1.2	.7	.7	.8	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	1.1	.7	.5	.3	.1	1.3	.9	.8	.9	.8	.6
135.	*	.0	.0	.0	.0	.0	.0	.0	1.2	1.1	1.0	.7	.5	.3	.1	1.1	.9	.7	.7	.7	.7
140.	*	.1	.0	.0	.0	.0	.0	.0	1.1	1.1	1.0	.8	.5	.3	.2	.8	.8	.4	.7	.6	.7
145.	*	.2	.2	.2	.0	.0	.0	.0	1.1	1.1	.9	1.0	.7	.5	.2	.7	.6	.3	.6	.5	.6
150.	*	.3	.3	.5	.1	.0	.0	.0	1.1	.9	.8	1.2	.9	.7	.5	.6	.4	.4	.5	.4	.5
155.	*	.4	.4	.5	.2	.0	.0	.0	.9	.9	.9	1.5	1.2	.9	.8	.3	.2	.5	.4	.5	.5
160.	*	.7	.8	.9	.4	.0	.0	.0	.9	.9	1.0	1.9	1.5	1.3	1.0	.1	.2	.3	.4	.5	.5
165.	*	.8	1.1	1.2	.6	.1	.0	.0	.9	1.0	1.1	2.0	1.6	1.3	1.0	.1	.1	.3	.4	.5	.5
170.	*	.9	1.2	1.3	.7	.1	.1	.0	1.0	1.1	1.4	1.9	1.6	1.3	1.2	.1	.2	.2	.3	.4	.5
175.	*	1.0	1.2	1.5	.8	.2	.1	.0	1.0	1.1	1.5	1.9	1.6	1.4	1.2	.1	.2	.2	.3	.5	.5
180.	*	.9	1.4	1.5	.7	.2	.1	.1	1.1	1.1	1.5	1.8	1.6	1.5	1.2	.1	.1	.2	.3	.5	.5
185.	*	1.0	1.4	1.4	1.0	.3	.2	.1	1.2	1.3	1.6	1.7	1.4	1.2	1.1	.0	.1	.2	.2	.4	.4
190.	*	1.1	1.4	1.4	1.0	.4	.2	.1	1.0	1.2	1.6	1.6	1.4	1.4	1.1	.0	.0	.2	.2	.4	.4
195.	*	1.1	1.4	1.4	1.0	.4	.2	.1	1.0	1.2	1.7	1.4	1.2	1.5	1.2	.0	.0	.2	.2	.4	.4
200.	*	1.1	1.2	1.2	1.0	.4	.1	.2	1.0	1.3	1.6	1.4	1.1	1.5	1.0	.0	.0	.0	.2	.4	.5
205.	*	.9	1.1	1.1	1.0	.5	.1	.1	1.1	1.4	1.5	1.4	1.2	1.3	.9	.0	.0	.0	.2	.3	.5

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JOB: PurpleLine S11 HighLRT 2015PM

RUN: PurpleLine S11 HighLRT 2015PM

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WIND * CONCENTRATION																					
ANGLE * (PPM)																					
(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.9	1.1	1.1	.9	.5	.2	.1	1.1	1.4	1.5	1.3	1.2	1.4	1.0	.0	.0	.0	.1	.3	.3
215.	*	.9	1.1	1.1	.9	.5	.2	.1	1.3	1.3	1.3	1.3	1.3	1.4	.9	.0	.0	.0	.0	.3	.3
220.	*	.9	1.1	1.1	.9	.5	.2	.1	1.3	1.3	1.4	1.3	1.4	1.5	.8	.0	.0	.0	.0	.1	.3
225.	*	.9	1.1	1.1	1.0	.5	.2	.1	1.3	1.4	1.4	1.3	1.5	1.4	.8	.0	.0	.0	.0	.0	.0
230.	*	.9	1.1	1.1	1.0	.3	.2	.1	1.5	1.4	1.5	1.4	1.5	1.3	1.0	.0	.0	.0	.0	.0	.0
235.	*	.9	1.1	1.1	1.1	.4	.2	.1	1.5	1.4	1.3	1.4	1.5	1.3	1.2	.0	.0	.0	.0	.0	.0
240.	*	.9	1.1	1.1	1.1	.4	.2	.2	1.5	1.5	1.3	1.4	1.5	1.3	1.2	.0	.0	.0	.0	.0	.0
245.	*	.9	1.1	1.1	1.1	.4	.2	.2	1.5	1.5	1.2	1.6	1.5	1.2	1.1	.0	.0	.0	.0	.0	.0
250.	*	.9	1.1	1.1	1.1	.3	.3	.2	1.6	1.4	1.3	1.6	1.4	1.3	1.0	.0	.0	.0	.0	.0	.0
255.	*	.9	1.1	1.1	1.3	.5	.3	.1	1.5	1.3	1.2	1.6	1.4	1.2	1.0	.0	.0	.0	.0	.0	.0
260.	*	.9	1.1	1.1	1.3	.5	.4	.4	1.5	1.3	1.2	1.6	1.4	1.3	1.0	.0	.0	.0	.0	.0	.0
265.	*	.9	1.1	1.1	1.2	.5	.6	.5	1.4	1.3	1.0	1.5	1.4	1.2	.8	.0	.0	.0	.0	.0	.0
270.	*	.9	1.1	1.1	1.3	.7	.5	.7	1.3	1.2	1.0	1.4	1.5	1.2	.7	.0	.0	.0	.0	.0	.0
275.	*	.9	1.1	1.1	1.3	.7	.7	.7	1.2	1.0	1.0	1.6	1.5	1.2	.7	.0	.0	.0	.0	.0	.0
280.	*	.9	1.1	1.2	1.2	.7	.8	.8	1.0	.8	.9	1.6	1.4	1.0	.6	.0	.0	.0	.0	.0	.0
285.	*	.9	1.1	1.2	1.2	.8	.9	.7	.8	.8	.9	1.6	1.6	1.1	.6	.0	.0	.0	.0	.0	.0
290.	*	1.0	1.2	1.2	1.1	1.1	.8	.8	.6	.7	.8	1.8	1.5	1.0	.5	.0	.0	.0	.0	.0	.0
295.	*	1.2	1.3	1.2	1.1	1.2	1.0	.9	.4	.7	.7	1.8	1.4	1.0	.5	.0	.0	.0	.0	.0	.0
300.	*	1.4	1.4	1.3	1.1	1.1	1.0	.9	.4	.4	.7	1.8	1.3	1.1	.6	.0	.0	.0	.0	.0	.0
305.	*	1.4	1.5	1.4	1.2	1.2	.9	.9	.2	.3	.6	1.8	1.3	1.1	.6	.0	.0	.0	.0	.0	.0
310.	*	1.4	1.6	1.4	1.2	1.1	.8	.9	.1	.2	.6	1.7	1.2	1.1	.6	.0	.0	.0	.0	.0	.0
315.	*	1.5	1.6	1.5	1.3	1.0	.8	.8	.0	.1	.7	1.9	1.3	1.0	.5	.0	.0	.0	.0	.0	.0
320.	*	1.6	1.7	1.6	1.2	.8	.7	.7	.0	.1	.3	1.7	1.2	.9	.6	.0	.0	.1	.0	.0	.0
325.	*	1.5	1.7	1.3	1.1	.8	.7	.7	.0	.0	.1	1.6	1.0	.8	.6	.0	.1	.2	.0	.0	.0
330.	*	1.6	1.4	1.3	1.0	.7	.7	.7	.0	.0	.1	1.3	.8	.6	.5	.2	.3	.4	.0	.0	.0
335.	*	1.2	1.0	1.3	.7	.7	.7	.7	.0	.0	.1	1.0	.7	.7	.5	.2	.4	.4	.1	.0	.0
340.	*	1.0	.9	.9	.5	.7	.7	.7	.0	.0	.2	.9	.5	.4	.2	.4	.6	.1	.0	.0	.0
345.	*	.7	.6	.7	.5	.7	.7	.7	.0	.0	.0	.6	.3	.4	.5	.3	.6	.6	.3	.1	.0
350.	*	.5	.6	.4	.5	.7	.7	.7	.0	.0	.0	.4	.4	.4	.5	.3	.6	.7	.4	.1	.0
355.	*	.4	.2	.3	.4	.7	.7	.7	.0	.0	.0	.2	.3	.6	.4	.8	.7	.4	.1	.1	.1
360.	*	.1	.2	.4	.4	.7	.7	.7	.0	.0	.0	.1	.1	.3	.5	.3	.8	.7	.4	.2	.1
MAX	*	1.6	1.7	1.6	1.3	1.2	1.0	.9	1.6	1.5	1.7	2.0	1.6	1.5	1.2	1.3	1.2	1.1	.9	1.1	.9
DEGR.	*	320	320	320	255	295	295	250	240	195	165	170	180	235	125	125	50	130	100	90	

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JOB: PurpleLine S11 HighLRT 2015PM

RUN: PurpleLine S11 HighLRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.9	1.1	1.2	.8	1.2	1.3	
5.	*	.1	.3	.8	1.1	1.1	.8	1.3	1.4	
10.	*	.1	.3	.9	1.3	1.1	1.0	1.3	1.3	
15.	*	.1	.3	.9	1.3	.9	1.0	1.3	1.3	
20.	*	.1	.5	1.0	1.4	.9	1.0	1.4	1.4	
25.	*	.2	.4	1.0	1.4	.9	1.2	1.3	1.2	
30.	*	.3	.4	1.0	1.2	.9	1.2	1.4	1.2	
35.	*	.4	.5	1.1	1.2	.9	1.3	1.2	1.2	
40.	*	.3	.7	1.1	1.1	1.0	1.4	1.2	1.1	
45.	*	.4	.7	1.0	1.0	1.0	1.4	1.2	1.1	
50.	*	.5	.7	1.0	1.0	.9	1.4	1.1	1.1	
55.	*	.4	.6	.8	1.2	.9	1.3	1.2	1.1	
60.	*	.6	.7	.9	1.2	.9	1.3	1.1	1.1	
65.	*	.6	.7	.8	1.2	1.1	1.3	1.1	1.0	
70.	*	.7	.7	.8	1.1	1.1	1.4	1.1	1.0	
75.	*	.6	.6	.8	1.0	1.2	1.3	1.1	1.0	
80.	*	.6	.5	.9	1.0	1.2	1.2	1.0	1.0	
85.	*	.6	.5	.7	.9	1.2	1.1	1.0	1.0	
90.	*	.6	.4	.6	.7	1.2	.9	1.0	1.0	
95.	*	.7	.4	.6	.5	1.0	.9	1.0	.9	
100.	*	.8	.2	.3	.7	1.0	.9	1.0	.9	
105.	*	.8	.2	.3	.6	1.0	1.0	1.1	1.0	
110.	*	.8	.1	.4	.5	1.0	1.1	1.1	1.0	
115.	*	.7	.1	.5	.5	.9	1.1	1.1	1.0	
120.	*	.7	.1	.4	.5	1.1	1.2	1.2	1.1	
125.	*	.7	.1	.3	.5	1.1	1.2	1.1	1.2	
130.	*	.7	.1	.2	.5	1.1	1.2	1.1	1.1	
135.	*	.5	.1	.3	.5	1.1	1.1	1.2	1.1	
140.	*	.5	.0	.3	.6	1.1	1.2	1.1	.9	
145.	*	.5	.0	.1	.3	1.2	1.0	1.0	1.1	
150.	*	.5	.0	.0	.3	.9	.9	1.0	1.0	
155.	*	.5	.0	.0	.2	.8	.8	.8	.6	
160.	*	.4	.0	.0	.0	.8	.7	.6	.5	
165.	*	.4	.0	.0	.0	.4	.5	.4	.4	
170.	*	.4	.0	.0	.0	.3	.2	.2	.2	
175.	*	.4	.0	.0	.0	.1	.1	.1	.1	
180.	*	.5	.0	.0	.0	.1	.1	.1	.1	
185.	*	.6	.0	.0	.0	.0	.1	.1	.1	
190.	*	.6	.0	.0	.0	.0	.0	.0	.0	
195.	*	.6	.0	.0	.0	.0	.0	.0	.0	
200.	*	.5	.0	.0	.0	.0	.0	.0	.0	
205.	*	.4	.0	.0	.0	.0	.0	.0	.0	

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JOB: PurpleLine S11 HighLRT 2015PM

RUN: PurpleLine S11 HighLRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0	
215.	*	.3	.0	.0	.0	.0	.0	.0	.0	
220.	*	.2	.0	.0	.0	.0	.0	.0	.0	
225.	*	.1	.0	.0	.0	.0	.0	.0	.0	
230.	*	.0	.1	.0	.0	.0	.0	.0	.0	
235.	*	.0	.1	.0	.0	.0	.0	.0	.0	
240.	*	.0	.1	.1	.0	.0	.0	.0	.0	
245.	*	.0	.2	.1	.1	.1	.0	.0	.0	
250.	*	.0	.2	.2	.2	.2	.0	.0	.0	
255.	*	.0	.2	.3	.2	.3	.0	.0	.0	
260.	*	.0	.2	.3	.3	.4	.0	.0	.0	
265.	*	.0	.4	.3	.3	.7	.1	.0	.0	
270.	*	.0	.4	.2	.5	.8	.1	.0	.0	
275.	*	.0	.4	.2	.6	.9	.2	.0	.0	
280.	*	.0	.3	.2	.7	1.0	.2	.0	.0	
285.	*	.0	.2	.3	.7	1.0	.3	.1	.0	
290.	*	.0	.2	.3	.8	1.0	.3	.1	.0	
295.	*	.0	.2	.3	.8	1.0	.3	.2	.0	
300.	*	.0	.2	.4	.8	1.0	.4	.2	.0	
305.	*	.0	.2	.4	.9	.9	.4	.2	.1	
310.	*	.0	.3	.6	.9	1.0	.4	.3	.2	
315.	*	.0	.4	.6	.9	1.0	.5	.3	.2	
320.	*	.0	.4	.7	.9	.9	.5	.3	.2	
325.	*	.0	.4	.7	.9	.9	.4	.4	.2	
330.	*	.0	.4	.7	.8	1.3	.6	.5	.5	
335.	*	.0	.4	.8	1.0	1.2	.7	.5	.7	
340.	*	.0	.4	.7	1.0	1.2	.8	.9	.9	
345.	*	.0	.3	.9	.9	1.2	.8	1.2	1.0	
350.	*	.0	.3	1.0	.9	1.1	.8	1.0	.9	
355.	*	.0	.4	.9	1.0	1.2	1.0	1.1	1.1	
360.	*	.0	.4	.9	1.1	1.2	.8	1.2	1.3	
MAX	*	.8	.7	1.1	1.4	1.3	1.4	1.4	1.4	
DEGR.	*	100	40	35	20	330	40	30	5	

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 165 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.70 PPM AT 195 DEGREES FROM REC10.

Site 11

Campus Drive and Adelphi  
Road

2030

PurpleLine S11 NoBld 2030AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 NoBld 2030AM	69	1	0
1			
0	ADnbAP	AG 2094. 1673. 1803. 2404.	1510 4.0 0 44 30.
1			
0	ADnbT	AG 1797. 2401. 1636. 2800.	1105 4.0 0 56 30.
2			
0	ADnbTQ	AG 1661. 2738. 1786. 2427.	0. 36 3
248	173	2.0 1105 32.1 1695 1 3	
1			
0	ADnbR	AG 1815. 2410. 1711. 2675.	155 4.0 0 32 30.
2			
0	ADnbRQ	AG 1714. 2669. 1804. 2439.	0. 12 1
248	173	2.0 155 32.1 1583 1 3	
1			
0	ADnbR	AG 1711. 2675. 1722. 2740.	155 4.0 0 32 30.
1			
0	ADnbR	AG 1722. 2740. 1789. 2778.	155 4.0 0 32 30.
1			
0	ADnbL	AG 1772. 2400. 1616. 2796.	250 4.0 0 32 30.
2			
0	ADnbLQ	AG 1642. 2729. 1765. 2418.	0. 12 1
248	207	2.0 250 32.1 1770 1 3	
1			
0	ADnb2	AG 1639. 2803. 1570. 2969.	1205 4.0 0 56 30.
1			
0	ADnbT2	AG 1571. 2968. 1458. 3168.	775 4.0 0 56 30.
2			
0	ADnbT2Q	AG 1514. 3070. 1570. 2970.	0. 36 3
248	188	2.0 775 32.1 1695 1 3	
1			
0	ADnbR2	AG 1592. 2972. 1555. 3064.	430 4.0 0 32 30.
1			
0	ADnbR2	AG 1555. 3064. 1551. 3156.	430 4.0 0 32 30.
1			
0	ADnbR2	AG 1551. 3156. 1615. 3374.	430 4.0 0 32 30.
1			
0	ADnbD	AG 1460. 3169. 1201. 3572.	1065 4.0 0 56 30.
1			
0	ADnbD	AG 1201. 3572. 1110. 3763.	1065 4.0 0 44 30.
1			
0	ADsbAP	AG 1082. 3641. 1177. 3472.	1450 3.1 0 68 30.
1			
0	ADsbT	AG 1177. 3473. 1422. 3106.	1130 3.1 0 56 30.
2			
0	ADsbTQ	AG 1372. 3181. 1203. 3435.	0. 36 3
248	155	2.0 1130 32.1 1695 1 3	
1			
0	ADsbR	AG 1177. 3439. 1306. 3233.	80 3.1 0 32 30.
2			
0	ADsbRQ	AG 1303. 3238. 1182. 3431.	0. 12 1
248	155	2.0 80 32.1 1583 1 3	
1			
0	ADsbR	AG 1306. 3233. 1327. 3131.	80 3.1 0 32 30.
1			
0	ADsbR	AG 1327. 3131. 1296. 3001.	80 3.1 0 32 30.
1			
0	ADsbR	AG 1296. 3001. 1249. 2911.	80 3.1 0 32 30.
1			
0	ADsbL	AG 1228. 3446. 1435. 3128.	240 3.1 0 32 30.
2			
0	ADsbLQ	AG 1388. 3200. 1240. 3427.	0. 12 1
248	207	2.0 240 32.1 1770 1 3	
1			
0	ADsb2	AG 1422. 3107. 1495. 2999.	1770 3.1 0 56 30.
1			
0	ADsbT2	AG 1483. 2997. 1593. 2797.	1495 3.1 0 44 30.

0	2	ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		248	138	2.0	1495	32.1	1770	1	3				
0	1	ADsbL2	AG	1504.	3003.	1610.	2810.		275	3.1	0	44	30.
0	2	ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		248	171	2.0	275	32.1	1717	1	3				
0	1	ADsbD	AG	1595.	2795.	1972.	1867.		1855	3.1	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		950	3.1	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		950	3.1	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		410	3.1	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		410	3.1	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		410	3.1	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		248	190	2.0	410	32.1	1707	1	3				
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		475	3.1	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		630	3.1	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		530	3.8	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		248	204	2.0	530	32.1	1739	1	3				
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		530	3.8	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		530	3.8	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		530	3.8	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		955	2.9	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		248	99	2.0	955	32.1	1717	1	3				
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		950	2.9	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		830	2.9	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		248	155	2.0	830	32.1	1770	1	3				
0	1	193ebL	AG	1324.	2884.	1460.	3071.		120	2.9	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		248	204	2.0	120	32.1	1770	1	3				
0	1	193ebD	AG	1474.	3064.	1547.	3223.		1500	2.9	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		1500	2.9	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2325	2.9	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1510	2.9	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		248	134	2.0	1510	32.1	1770	1	3				
0	1	193wbR	AG	1525.	3556.	1451.	3338.		170	2.9	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		248	134	2.0	170	32.1	1583	1	3				
0	1	193wbR	AG	1451.	33								



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SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1510.	4.0	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1105.	4.0	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1790.8	2415.0	*	348.	158. AG	180.	100.0	.0	36.0	.76 17.7
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	155.	4.0	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1767.4	2532.5	*	147.	159. AG	60.	100.0	.0	12.0	.34 7.4
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	155.	4.0	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	155.	4.0	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	4.0	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1764.4	2419.5	*	333.	158. AG	72.	100.0	.0	12.0	.95 16.9
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1205.	4.0	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	775.	4.0	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1643.6	2838.6	*	265.	151. AG	196.	100.0	.0	36.0	.68 13.5
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	430.	4.0	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	430.	4.0	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	430.	4.0	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1065.	4.0	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1065.	4.0	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1450.	3.1	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1130.	3.1	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1195.5	3446.3	*	319.	326. AG	161.	100.0	.0	36.0	.62 16.2
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	80.	3.1	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1267.0	3295.4	*	68.	328. AG	54.	100.0	.0	12.0	.14 3.4
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	80.	3.1	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	80.	3.1	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	80.	3.1	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	240.	3.1	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1220.4	3457.1	*	307.	327. AG	72.	100.0	.0	12.0	.91 15.6
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1770.	3.1	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1495.	3.1	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1236.3	3442.6	*	677.	331. AG	96.	100.0	.0	24.0	.99 34.4
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.1	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1524.1	2966.2	*	128.	331. AG	119.	100.0	.0	24.0	.27 6.5
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1855.	3.1	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	950.	3.1	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	950.	3.1	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	410.	3.1	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	410.	3.1	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	410.	3.1	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1442.8	2752.5	*	141.	263. AG	198.	100.0	.0	36.0	.37 7.2
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	475.	3.1	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	630.	3.1	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	530.	3.8	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1894.0	2799.8	*	196.	93. AG	212.	100.0	.0	36.0	.63 10.0
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	530.	3.8	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	530.	3.8	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	530.	3.8	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	955.	2.9	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	963.3	2568.4	*	258.	234. AG	69.	100.0	.0	24.0	.48 13.1
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	950.	2.9	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	830.	2.9	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1232.8	2724.9	*	352.	215. AG	108.	100.0	.0	24.0	.65 17.9
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	120.	2.9	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1344.3	2912.7	*	134.	216. AG	71.	100.0	.0	12.0	.42 6.8
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1500.	2.9	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1500.	2.9	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2325.	2.9	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1510.	2.9	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1639.6	3861.6	*	633.	17. AG	93.	100.0	.0	24.0	.96 32.2
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	170.	2.9	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1493.6	3464.1	*	125.	19. AG	47.	100.0	.0	12.0	.24 6.3
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	170.	2.9	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	645.	2.9	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1575.3	3575.9	*	355.	17. AG	132.	100.0	.0	24.0	.86 18.0
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1590.	2.9	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1590.	2.9	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1511.0	3183.2	*	528.	43. AG	69.	100.0	.0	24.0	.98 26.8
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1590.	2.9	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2120.	2.9	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	2120.	2.9	.0	44.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	248	173	2.0	1105	1695	32.10	1	3
5. 0	ADnbRQ	248	173	2.0	155	1583	32.10	1	3
9. 0	ADnbLQ	248	207	2.0	250	1770	32.10	1	3
12. 0	ADnbT2Q	248	188	2.0	775	1695	32.10	1	3
20. 0	ADsbTQ	248	155	2.0	1130	1695	32.10	1	3
22. 0	ADsbRQ	248	155	2.0	80	1583	32.10	1	3
27. 0	ADsbLQ	248	207	2.0	240	1770	32.10	1	3
30. 0	ADsbT2Q	248	138	2.0	1495	1770	32.10	1	3
32. 0	ADsbL2Q	248	171	2.0	275	1717	32.10	1	3
39. 0	CMebTRq	248	190	2.0	410	1707	32.10	1	3
43. 0	CMwbQ	248	204	2.0	530	1739	32.10	1	3
48. 0	193ebLQ	248	99	2.0	955	1717	32.10	1	3
51. 0	193ebT	248	155	2.0	830	1770	32.10	1	3
53. 0	193ebL	248	204	2.0	120	1770	32.10	1	3
58. 0	193wbT	248	134	2.0	1510	1770	32.10	1	3
60. 0	193wbR	248	134	2.0	170	1583	32.10	1	3
63. 0	193wbL	248	190	2.0	645	1717	32.10	1	3
66. 0	193wbQ	248	99	2.0	1590	1394	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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#### RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

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#### MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

#### WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.2	.3	.5	.8	1.0	.5	.2	.1
5. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.3	.5	.8	1.0	.5	.2	.1	
10. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.0	.1	.8	.8	1.0	.5	.2	.2

15. \* .1 .1 .2 .3 .5 .1 .1 .0 .0 .0 .1 .0 .0 .0 .8 .9 1.0 .5 .2 .2  
20. \* .0 .1 .2 .3 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.0 .6 .3 .2  
25. \* .0 .1 .2 .3 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.1 .7 .4 .3  
30. \* .0 .1 .1 .3 .5 .1 .2 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.0 .6 .4 .4  
35. \* .0 .0 .1 .3 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .6 .4 .4  
40. \* .0 .0 .1 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 1.1 1.1 .6 .3 .3  
45. \* .0 .0 .1 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .6 .4 .3  
50. \* .0 .0 .0 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 .9 .4 .3 .3  
55. \* .0 .0 .0 .3 .4 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.0 .3 .3 .4  
60. \* .0 .0 .0 .2 .4 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .3 .3 .4  
65. \* .0 .0 .0 .2 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 1.0 1.1 1.1 .2 .3 .6  
70. \* .0 .0 .0 .1 .3 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.1 .9 .3 .4 .7  
75. \* .0 .0 .0 .2 .2 .2 .2 .0 .1 .1 .0 .0 .0 .0 1.0 1.1 .8 .3 .4 .7  
80. \* .0 .0 .0 .2 .2 .2 .2 .1 .2 .2 .1 .0 .0 .0 1.0 1.1 .8 .3 .4 .8  
85. \* .0 .0 .0 .2 .2 .2 .1 .2 .3 .1 .0 .0 .0 .0 1.0 1.2 .8 .3 .4 .7  
90. \* .0 .0 .0 .1 .1 .1 .1 .3 .4 .2 .0 .0 .0 .0 1.0 1.1 .8 .3 .5 .6  
95. \* .0 .0 .0 .1 .1 .1 .1 .4 .6 .4 .0 .0 .0 .0 1.1 1.1 .6 .4 .5 .5  
100. \* .0 .0 .0 .1 .1 .1 .1 .5 .7 .5 .1 .0 .0 .0 1.0 1.0 .6 .5 .6 .5  
105. \* .0 .0 .0 .1 .1 .1 .2 .6 .8 .5 .1 .0 .0 .0 1.1 1.0 .6 .5 .6 .5  
110. \* .0 .0 .0 .0 .0 .0 .2 .8 .9 .6 .1 .0 .0 .0 1.0 1.0 .5 .5 .7 .4  
115. \* .0 .0 .0 .0 .0 .0 .2 .8 .9 .6 .2 .1 .0 .0 1.0 .9 .6 .5 .7 .5  
120. \* .0 .0 .0 .0 .0 .0 .2 .9 .9 .5 .2 .1 .0 .0 1.0 1.0 .5 .5 .5 .5  
125. \* .0 .0 .0 .0 .0 .0 .2 .8 .9 .5 .2 .1 .1 .8 .8 .6 .4 .6 .5  
130. \* .0 .0 .0 .0 .0 .0 .2 .8 .9 .4 .2 .1 .1 .9 .8 .6 .5 .5 .5  
135. \* .0 .0 .0 .0 .0 .0 .1 .8 .9 .4 .2 .1 .1 .8 .7 .6 .6 .5 .5  
140. \* .0 .0 .0 .0 .0 .0 .1 .8 .8 .3 .2 .2 .1 .7 .7 .3 .5 .5 .3  
145. \* .1 .0 .1 .0 .0 .0 .1 .8 .8 .4 .4 .2 .2 .5 .5 .5 .4 .3  
150. \* .1 .2 .1 .0 .0 .0 .1 .8 .8 .4 .3 .4 .3 .4 .2 .3 .4 .3 .3  
155. \* .1 .3 .5 .1 .0 .0 .1 .8 .8 .6 .6 .5 .4 .2 .1 .4 .4 .3 .3  
160. \* .3 .5 .6 .2 .0 .0 .1 .7 .8 .6 .9 .7 .6 .1 .0 .3 .3 .3 .3  
165. \* .4 .5 .7 .3 .0 .0 .2 .7 .8 .7 .9 .8 .6 .0 .1 .2 .3 .4 .3  
170. \* .5 .6 .8 .6 .0 .0 .2 .7 .9 .8 .1 .0 .8 .9 .0 .1 .2 .3 .3 .4  
175. \* .5 .7 .9 .5 .0 .0 .2 .8 .1 .8 .1 .0 .9 .9 .0 .0 .2 .3 .3 .4  
180. \* .5 .7 1.1 .7 .1 .0 .3 .9 1.2 .8 .9 1.0 .9 .0 .0 .2 .3 .3 .4  
185. \* .5 .8 1.1 .7 .2 .0 .3 1.0 1.3 .8 .9 .8 1.1 .0 .0 .1 .2 .3 .3  
190. \* .6 .8 1.1 .7 .2 .0 .5 .9 1.2 .6 .9 1.0 1.0 .0 .0 .0 .2 .3 .3  
195. \* .6 .9 1.0 .7 .2 .0 .5 .9 1.2 .6 .9 1.0 1.0 .0 .0 .0 .1 .2 .3  
200. \* .5 .9 1.0 .7 .2 .1 .0 .6 1.0 1.2 .6 .8 1.0 1.0 .0 .0 .0 .1 .2 .2  
205. \* .6 .9 1.0 .7 .3 .1 .0 .6 1.0 1.2 .7 .9 1.1 1.0 .0 .0 .0 .1 .2 .2

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR) \* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* .6 .9 1.0 .6 .2 .1 .0 .7 1.0 1.1 .6 1.0 1.2 .8 .0 .0 .0 .0 .2 .2  
215. \* .6 .9 1.0 .6 .2 .1 .1 .8 1.0 1.0 .6 1.1 1.2 .7 .0 .0 .0 .0 .2 .2  
220. \* .6 .9 .9 .6 .2 .1 .1 .8 .9 1.0 .7 .9 1.1 .7 .0 .0 .0 .0 .1 .2  
225. \* .7 .9 .9 .6 .2 .1 .1 .8 .9 .9 .8 1.0 1.0 .7 .0 .0 .0 .0 .0 .0  
230. \* .7 .8 .9 .6 .2 .1 .1 .9 .9 .9 .7 1.0 1.2 .7 .0 .0 .0 .0 .0 .0  
235. \* .7 .8 .9 .6 .2 .1 .1 1.0 1.0 .9 .8 1.1 1.1 .8 .0 .0 .0 .0 .0 .0  
240. \* .8 .9 .9 .6 .2 .1 .1 1.0 1.0 .7 .9 1.2 1.1 .9 .0 .0 .0 .0 .0 .0  
245. \* .8 .9 .9 .6 .1 .1 .1 1.0 1.1 .6 .9 1.1 1.1 .8 .0 .0 .0 .0 .0 .0  
250. \* .8 .9 .9 .6 .1 .1 .1 1.1 .9 .5 1.0 1.2 1.1 .8 .0 .0 .0 .0 .0 .0  
255. \* .8 .9 .9 .6 .1 .1 .1 1.1 .9 .5 .9 1.2 1.1 .7 .0 .0 .0 .0 .0 .0  
260. \* .8 1.0 .9 .6 .2 .1 .1 1.1 .8 .5 .9 1.2 1.0 .7 .0 .0 .0 .0 .0 .0  
265. \* .8 1.0 .9 .5 .2 .3 .3 1.0 .9 .6 1.1 1.2 1.0 .7 .0 .0 .0 .0 .0 .0  
270. \* .8 1.0 .9 .5 .3 .4 .2 1.0 .7 .5 1.2 1.2 1.0 .7 .0 .0 .0 .0 .0 .0  
275. \* .8 1.0 .9 .5 .2 .4 .3 .8 .5 .6 1.2 1.2 1.0 .7 .0 .0 .0 .0 .0 .0  
280. \* .8 1.0 .9 .4 .3 .4 .3 .6 .4 .5 1.2 1.1 1.0 .6 .0 .0 .0 .0 .0 .0  
285. \* .8 1.0 1.1 .4 .5 .5 .5 .5 .4 .5 1.2 1.1 1.0 .6 .0 .0 .0 .0 .0 .0  
290. \* .8 1.0 1.1 .4 .5 .7 .5 .4 .4 .6 1.4 1.1 1.0 .6 .0 .0 .0 .0 .0 .0  
295. \* .8 1.0 1.1 .3 .7 .7 .5 .3 .4 .6 1.4 1.0 1.0 .6 .0 .0 .0 .0 .0 .0  
300. \* .9 1.2 1.1 .4 .8 .9 .5 .3 .3 .6 1.5 1.0 1.1 .6 .0 .0 .0 .0 .0 .0  
305. \* 1.0 1.2 1.1 .3 .8 .8 .4 .2 .2 .6 1.4 .9 1.0 .6 .0 .0 .0 .0 .0 .0  
310. \* 1.1 1.2 1.1 .4 .9 .8 .3 .1 .2 .4 1.3 1.1 .8 .6 .0 .0 .0 .0 .0 .0  
315. \* 1.1 1.2 1.1 .6 .9 .7 .3 .0 .2 .4 1.4 1.0 .7 .6 .0 .0 .0 .0 .0 .0  
320. \* 1.2 1.4 .9 .6 .8 .5 .2 .0 .1 .4 1.3 1.0 .6 .6 .0 .1 .1 .0 .0 .0  
325. \* 1.2 1.2 .7 .5 .8 .5 .2 .0 .0 .2 1.2 .9 .6 .5 .0 .1 .1 .0 .0 .0  
330. \* 1.1 .8 .6 .5 .6 .4 .2 .0 .0 .1 1.0 .7 .4 .3 .3 .3 .1 .0 .0  
335. \* .6 .7 .6 .4 .5 .3 .2 .0 .0 .0 .7 .2 .3 .4 .3 .3 .5 .1 .0 .0  
340. \* .7 .6 .4 .3 .5 .2 .1 .0 .0 .0 .6 .3 .3 .4 .4 .4 .6 .1 .0 .0  
345. \* .6 .5 .3 .4 .5 .2 .1 .0 .0 .0 .4 .3 .2 .3 .4 .5 .7 .3 .1 .0  
350. \* .2 .3 .2 .3 .5 .2 .1 .0 .0 .0 .2 .3 .2 .3 .4 .7 .8 .4 .1 .0  
355. \* .2 .1 .1 .3 .5 .1 .1 .0 .0 .0 .1 .1 .2 .3 .4 .7 .9 .5 .1 .1  
360. \* .1 .1 .2 .3 .5 .1 .1 .0 .0 .0 .1 .0 .2 .3 .5 .8 1.0 .5 .2 .1

MAX \* 1.2 1.4 1.1 .7 .9 .9 .5 1.1 1.1 1.3 1.5 1.2 1.2 1.1 1.1 1.2 1.1 .7 .7 .8  
DEGR. \* 320 320 315 180 310 300 285 250 245 185 300 240 210 185 95 85 25 25 110 80

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MODEL RESULTS  
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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.3	.3	.9	1.0	.7	.8	1.0
5.	*	.1	.2	.2	.9	.9	.5	.9	.9
10.	*	.1	.2	.3	1.0	.6	.5	.9	1.0
15.	*	.1	.2	.4	1.0	.5	.6	.9	1.0
20.	*	.1	.2	.4	1.0	.5	.7	.8	1.0
25.	*	.1	.2	.6	1.1	.5	.7	.8	1.0
30.	*	.2	.2	.6	1.0	.4	.7	.8	.9
35.	*	.2	.2	.7	.9	.3	.7	.8	.9
40.	*	.3	.2	.6	.7	.5	.9	.8	.9
45.	*	.3	.2	.5	.6	.4	.9	.8	.8
50.	*	.4	.2	.6	.6	.4	.9	.8	.8
55.	*	.4	.3	.6	.7	.5	.9	.9	.8
60.	*	.5	.3	.7	.6	.5	.9	.8	.8
65.	*	.5	.4	.5	.5	.5	.8	.8	.7
70.	*	.5	.3	.5	.5	.5	.8	.8	.7
75.	*	.5	.3	.4	.4	.6	.8	.8	.7
80.	*	.5	.3	.4	.4	.6	.7	.8	.7
85.	*	.5	.3	.4	.4	.6	.7	.8	.7
90.	*	.5	.2	.4	.4	.5	.7	.8	.7
95.	*	.5	.1	.3	.3	.6	.7	.8	.7
100.	*	.5	.1	.2	.4	.5	.7	.8	.7
105.	*	.5	.1	.2	.5	.6	.7	.8	.7
110.	*	.6	.1	.2	.5	.7	.9	.8	.7
115.	*	.6	.1	.2	.5	.7	.9	.8	.7
120.	*	.6	.1	.2	.5	.7	.9	.9	.8
125.	*	.5	.1	.2	.5	.9	1.0	.9	.8
130.	*	.4	.0	.2	.4	.9	.9	.8	.9
135.	*	.4	.0	.2	.3	.9	.8	.8	.8
140.	*	.4	.0	.1	.2	.8	.8	.9	.8
145.	*	.4	.0	.0	.2	.8	.9	.8	.6
150.	*	.4	.0	.0	.1	.7	.8	.8	.6
155.	*	.4	.0	.0	.1	.7	.7	.6	.4
160.	*	.4	.0	.0	.0	.5	.5	.5	.4
165.	*	.3	.0	.0	.0	.3	.3	.2	.2
170.	*	.3	.0	.0	.0	.1	.2	.2	.2
175.	*	.3	.0	.0	.0	.1	.1	.1	.1
180.	*	.3	.0	.0	.0	.1	.1	.1	.1
185.	*	.2	.0	.0	.0	.0	.1	.1	.1
190.	*	.3	.0	.0	.0	.0	.0	.0	.0
195.	*	.3	.0	.0	.0	.0	.0	.0	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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RUN: PurpleLine S11 NoBld 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.1	.0	.0	.0
255.	*	.0	.0	.0	.0	.1	.0	.0	.0
260.	*	.0	.1	.0	.1	.2	.0	.0	.0
265.	*	.0	.1	.0	.1	.3	.0	.0	.0
270.	*	.0	.1	.0	.1	.4	.0	.0	.0
275.	*	.0	.0	.0	.2	.5	.0	.0	.0
280.	*	.0	.0	.1	.4	.7	.1	.0	.0
285.	*	.0	.1	.1	.4	.7	.1	.0	.0
290.	*	.0	.1	.1	.5	.7	.1	.0	.0
295.	*	.0	.1	.1	.5	.7	.2	.0	.0
300.	*	.0	.1	.1	.6	.7	.3	.1	.0
305.	*	.0	.1	.1	.6	.7	.3	.1	.0
310.	*	.0	.1	.1	.6	.7	.3	.2	.2
315.	*	.0	.1	.1	.6	.6	.3	.2	.2
320.	*	.0	.1	.1	.6	.6	.4	.2	.2
325.	*	.0	.1	.1	.6	.6	.4	.3	.2
330.	*	.0	.1	.1	.6	1.0	.5	.5	.4
335.	*	.0	.1	.1	.8	1.1	.6	.5	.6
340.	*	.0	.1	.1	.8	.9	.7	.6	.8
345.	*	.0	.1	.3	.7	1.0	.8	.8	.8
350.	*	.0	.2	.3	.6	.9	.8	.8	.8
355.	*	.0	.3	.2	.7	.9	.6	.8	.9
360.	*	.0	.3	.3	.9	1.0	.7	.8	1.0
MAX	*	.6	.4	.7	1.1	1.1	1.0	.9	1.0
DEGR.	*	110	65	35	25	335	125	5	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 185 DEGREES FROM REC10.

PurpleLine S11 NoBld 2030PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 NoBld 2030PM	69	1	0
1			
0	ADnbAP	AG 2094. 1673. 1803. 2404.	2265 5.4 0 44 30.
1			
0	ADnbT	AG 1797. 2401. 1636. 2800.	1765 5.4 0 56 30.
2			
0	ADnbTQ	AG 1661. 2738. 1786. 2427.	0. 36 3
248	160	2.0 1765 32.1 1695 1 3	
1			
0	ADnbR	AG 1815. 2410. 1711. 2675.	250 5.4 0 32 30.
2			
0	ADnbRQ	AG 1714. 2669. 1804. 2439.	0. 12 1
248	160	2.0 250 32.1 1583 1 3	
1			
0	ADnbR	AG 1711. 2675. 1722. 2740.	250 5.4 0 32 30.
1			
0	ADnbR	AG 1722. 2740. 1789. 2778.	250 5.4 0 32 30.
1			
0	ADnbL	AG 1772. 2400. 1616. 2796.	250 5.4 0 32 30.
2			
0	ADnbLQ	AG 1642. 2729. 1765. 2418.	0. 12 1
248	214	2.0 250 32.1 1770 1 3	
1			
0	ADnb2	AG 1639. 2803. 1570. 2969.	2210 5.4 0 56 30.
1			
0	ADnbT2	AG 1571. 2968. 1458. 3168.	1465 5.4 0 56 30.
2			
0	ADnbT2Q	AG 1514. 3070. 1570. 2970.	0. 36 3
248	173	2.0 1465 32.1 1695 1 3	
1			
0	ADnbR2	AG 1592. 2972. 1555. 3064.	745 5.4 0 32 30.
1			
0	ADnbR2	AG 1555. 3064. 1551. 3156.	745 5.4 0 32 30.
1			
0	ADnbR2	AG 1551. 3156. 1615. 3374.	745 5.4 0 32 30.
1			
0	ADnbD	AG 1460. 3169. 1201. 3572.	1955 5.4 0 56 30.
1			
0	ADnbD	AG 1201. 3572. 1110. 3763.	1955 5.4 0 44 30.
1			
0	ADsbAP	AG 1082. 3641. 1177. 3472.	1435 3.0 0 68 30.
1			
0	ADsbT	AG 1177. 3473. 1422. 3106.	1105 3.0 0 56 30.
2			
0	ADsbTQ	AG 1372. 3181. 1203. 3435.	0. 36 3
248	147	2.0 1105 32.1 1695 1 3	
1			
0	ADsbR	AG 1177. 3439. 1306. 3233.	195 3.0 0 32 30.
2			
0	ADsbRQ	AG 1303. 3238. 1182. 3431.	0. 12 1
248	147	2.0 195 32.1 1583 1 3	
1			
0	ADsbR	AG 1306. 3233. 1327. 3131.	195 3.0 0 32 30.
1			
0	ADsbR	AG 1327. 3131. 1296. 3001.	195 3.0 0 32 30.
1			
0	ADsbR	AG 1296. 3001. 1249. 2911.	195 3.0 0 32 30.
1			
0	ADsbL	AG 1228. 3446. 1435. 3128.	135 3.0 0 32 30.
2			
0	ADsbLQ	AG 1388. 3200. 1240. 3427.	0. 12 1
248	214	2.0 135 32.1 1770 1 3	
1			
0	ADsb2	AG 1422. 3107. 1495. 2999.	1570 3.0 0 56 30.
1			
0	ADsbT2	AG 1483. 2997. 1593. 2797.	1295 3.0 0 44 30.

0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		248	146	2.0	1295	32.1	1770	1	3				
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		275	3.0	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		248	199	2.0	275	32.1	1717	1	3				
0	1	ADsbd	AG	1595.	2795.	1972.	1867.		1855	3.0	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		2355	3.7	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		2355	3.7	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		610	3.7	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		610	3.7	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		610	3.7	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		248	198	2.0	610	32.1	1707	1	3				
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		520	3.7	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		770	3.7	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		1235	3.7	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		248	181	2.0	1235	32.1	1739	1	3				
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		815	3.7	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		815	3.7	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		815	3.7	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1745	2.9	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		248	107	2.0	1745	32.1	1717	1	3				
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1745	2.9	0	44	30.
0	2	193ebTR	AG	1337.	2871.	1473.	3064.		1620	2.9	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		248	140	2.0	1620	32.1	1770	1	3				
0	1	193ebL	AG	1324.	2884.	1460.	3071.		125	2.9	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		248	181	2.0	125	32.1	1770	1	3				
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2500	2.9	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2500	2.9	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2050	2.9	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1215	2.9	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		248	165	2.0	1215	32.1	1770	1	3				
0	1	193wbR	AG	1525.	3556.	1451.	3338.		365	2.9	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		248	165	2.0	365	32.1	1583	1	3				
0	1	193wbR	AG	1									

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SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	2265.	5.4	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1765.	5.4	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1948.1	2023.7	*	770.	158. AG	167.	100.0	.0	36.0	1.02 39.1
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	250.	5.4	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1793.7	2465.3	*	219.	159. AG	56.	100.0	.0	12.0	.47 11.1
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	250.	5.4	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	250.	5.4	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	5.4	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1910.2	2050.9	*	729.	158. AG	74.	100.0	.0	12.0	1.17 37.0
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	2210.	5.4	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1465.	5.4	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1805.9	2548.8	*	597.	151. AG	180.	100.0	.0	36.0	1.01 30.3
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	745.	5.4	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	745.	5.4	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	745.	5.4	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1955.	5.4	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1955.	5.4	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1435.	3.0	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1105.	3.0	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1208.1	3427.3	*	296.	326. AG	153.	100.0	.0	36.0	.56 15.0
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	195.	3.0	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1219.7	3370.8	*	157.	328. AG	51.	100.0	.0	12.0	.32 8.0
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	195.	3.0	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	195.	3.0	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	195.	3.0	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	135.	3.0	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1301.7	3332.3	*	158.	327. AG	74.	100.0	.0	12.0	.63 8.0
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1570.	3.0	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1295.	3.0	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1292.2	3341.4	*	562.	331. AG	101.	100.0	.0	24.0	.93 28.5
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.0	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1514.0	2984.5	*	149.	331. AG	138.	100.0	.0	24.0	.44 7.6
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1855.	3.0	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	2355.	3.7	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2355.	3.7	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	610.	3.7	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	610.	3.7	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	610.	3.7	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1364.9	2742.7	*	220.	263. AG	206.	100.0	.0	36.0	.64 11.2
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	520.	3.7	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	770.	3.7	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1235.	3.7	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	2152.9	2785.0	*	456.	93. AG	189.	100.0	.0	36.0	.93 23.1
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	815.	3.7	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	815.	3.7	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	815.	3.7	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1745.	2.9	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	730.6	2401.2	*	545.	234. AG	74.	100.0	.0	24.0	.92 27.7
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1745.	2.9	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1620.	2.9	.0	44.0	
51. 0	193ebT	1436.0	3012.0	608.6	1843.3	*	1432.	215. AG	97.	100.0	.0	24.0	1.09 72.7
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	125.	2.9	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1350.2	2920.9	*	124.	216. AG	63.	100.0	.0	12.0	.28 6.3
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2500.	2.9	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2500.	2.9	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	2.9	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1215.	2.9	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1776.7	4311.3	*	1103.	17. AG	115.	100.0	.0	24.0	1.08 56.0
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	365.	2.9	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1558.6	3658.3	*	329.	19. AG	57.	100.0	.0	12.0	.72 16.7
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	365.	2.9	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	470.	2.9	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1634.2	3769.7	*	558.	17. AG	148.	100.0	.0	24.0	1.10 28.3
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1405.	2.9	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1405.	2.9	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1452.2	3119.0	*	441.	43. AG	74.	100.0	.0	24.0	.91 22.4
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1405.	2.9	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2220.	2.9	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	2220.	2.9	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	248	160	2.0	1765	1695	32.10	1	3
5. 0	ADnbRQ	248	160	2.0	250	1583	32.10	1	3
9. 0	ADnbLQ	248	214	2.0	250	1770	32.10	1	3
12. 0	ADnbT2Q	248	173	2.0	1465	1695	32.10	1	3
20. 0	ADsbTQ	248	147	2.0	1105	1695	32.10	1	3
22. 0	ADsbRQ	248	147	2.0	195	1583	32.10	1	3
27. 0	ADsbLQ	248	214	2.0	135	1770	32.10	1	3
30. 0	ADsbT2Q	248	146	2.0	1295	1770	32.10	1	3
32. 0	ADsbL2Q	248	199	2.0	275	1717	32.10	1	3
39. 0	CMebTRq	248	198	2.0	610	1707	32.10	1	3
43. 0	CMwbQ	248	181	2.0	1235	1739	32.10	1	3
48. 0	193ebLQ	248	107	2.0	1745	1717	32.10	1	3
51. 0	193ebT	248	140	2.0	1620	1770	32.10	1	3
53. 0	193ebL	248	181	2.0	125	1770	32.10	1	3
58. 0	193wbT	248	165	2.0	1215	1770	32.10	1	3
60. 0	193wbR	248	165	2.0	365	1583	32.10	1	3
63. 0	193wbL	248	213	2.0	470	1717	32.10	1	3
66. 0	193wbQ	248	107	2.0	1405	1394	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
28. SW MID S	*	1686.0	2517.0	5.0	*

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.4	.9	1.1	.4	.6	.6	.6	.0	.0	.0	.2	.3	.3	.5	.6	.7	.8	.5	.2	.1
5. *	.3	.8	1.1	.4	.6	.6	.6	.0	.0	.0	.1	.1	.3	.5	.5	.7	1.0	.5	.3	.2
10. *	.2	.8	1.0	.4	.6	.6	.6	.0	.0	.0	.1	.0	.2	.4	.5	.8	1.0	.5	.3	.2



15. \* .2 .8 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .2 .6 .8 1.0 .7 .4 .3  
20. \* .2 .7 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .1 .7 .7 1.0 .8 .5 .5  
25. \* .1 .7 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .0 .7 .9 1.0 .7 .5 .5  
30. \* .1 .7 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .0 .7 .9 1.0 .7 .5 .5  
35. \* .1 .7 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .7 .6 .5  
40. \* .1 .7 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .7 .6 .5  
45. \* .1 .7 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .0 .9 1.0 1.1 .7 .3 .3  
50. \* .1 .7 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .7 .3 .3  
55. \* .0 .7 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .4 .3 .4  
60. \* .0 .6 .8 .5 .7 .6 .6 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .2 .4 .4  
65. \* .0 .5 .8 .5 .7 .6 .6 .2 .0 .0 .0 .0 .0 .0 1.0 1.2 1.1 .3 .4 .5  
70. \* .0 .5 .7 .5 .6 .6 .5 .2 .2 .2 .0 .0 .0 .0 1.0 1.2 1.1 .3 .4 .7  
75. \* .0 .5 .7 .5 .7 .8 .7 .3 .2 .2 .1 .0 .0 .0 .9 1.2 1.0 .4 .5 .8  
80. \* .0 .4 .6 .4 .7 .6 .5 .4 .3 .3 .1 .0 .0 .0 .9 1.2 .9 .4 .5 .7  
85. \* .0 .4 .6 .4 .6 .6 .5 .6 .5 .5 .3 .0 .0 .0 .9 1.2 .9 .4 .5 .7  
90. \* .0 .3 .7 .3 .5 .5 .4 .7 .6 .7 .4 .1 .0 .0 1.0 1.2 .8 .5 .6 .9  
95. \* .0 .3 .7 .1 .4 .3 .3 1.1 .9 .9 .5 .1 .0 .0 1.1 1.1 .7 .5 .6 1.0  
100. \* .0 .3 .7 .0 .3 .3 .2 1.2 1.0 1.1 .6 .2 .0 .0 1.2 1.1 .7 .5 .8 .7  
105. \* .0 .2 .7 .0 .2 .1 .1 1.2 1.2 1.2 .7 .3 .1 .0 1.2 1.0 .8 .6 .9 .6  
110. \* .0 .2 .8 .0 .1 .1 .1 1.3 1.1 1.1 .8 .3 .1 .1 1.2 1.0 .8 .7 .9 .7  
115. \* .0 .2 .9 .0 .0 .0 .0 1.2 1.1 1.1 .8 .3 .2 .1 1.0 1.0 .8 .7 .9 .7  
120. \* .0 .1 .9 .0 .0 .0 .0 1.1 1.1 1.1 .7 .4 .3 .1 1.1 1.2 .7 .8 .6 .7  
125. \* .0 .1 .9 .0 .0 .0 .0 1.1 1.0 1.0 .7 .4 .3 .1 1.2 1.1 .7 .8 .7 .7  
130. \* .0 .1 .9 .0 .0 .0 .0 1.1 1.0 .9 .7 .4 .3 .1 1.3 1.0 .8 1.0 .8 .6  
135. \* .0 .1 .9 .1 .0 .0 .0 1.0 1.0 .9 .7 .4 .4 .1 .9 .8 .6 .6 .7 .7  
140. \* .2 .2 1.0 .1 .0 .0 .0 1.0 1.0 .9 .8 .5 .2 .2 .8 .8 .6 .7 .5 .7  
145. \* .2 .2 1.2 .2 .0 .0 .0 1.0 .9 .8 1.1 .7 .5 .3 .7 .6 .4 .6 .5 .7  
150. \* .4 .4 1.3 .4 .0 .0 .0 .9 .9 .8 1.3 .9 .7 .5 .6 .4 .5 .5 .6  
155. \* .7 .7 1.4 .5 .0 .0 .0 .9 .8 1.0 1.6 1.2 1.1 .8 .3 .4 .6 .5 .4 .5  
160. \* 1.0 1.2 1.8 .8 .1 .0 .0 .8 .8 1.0 1.9 1.7 1.4 1.0 .1 .1 .3 .4 .4 .5  
165. \* 1.1 1.2 1.7 1.1 .2 .0 .0 .8 1.0 1.3 1.9 1.7 1.5 1.1 .0 .1 .3 .4 .3 .5  
170. \* 1.3 1.3 1.8 1.3 .2 .1 .0 .9 1.0 1.5 2.0 1.6 1.4 1.2 .0 .1 .2 .4 .3 .5  
175. \* 1.3 1.5 1.7 1.5 .2 .2 .1 1.0 1.1 1.6 1.9 1.7 1.5 1.3 .1 .1 .2 .3 .3 .5  
180. \* 1.3 1.4 1.6 1.5 .4 .2 .1 1.0 1.4 1.6 1.7 1.5 1.6 1.1 .1 .1 .2 .3 .3 .4  
185. \* 1.2 1.4 1.5 1.4 .6 .2 .2 1.0 1.4 1.6 1.6 1.3 1.2 1.0 .1 .1 .2 .2 .3 .4  
190. \* 1.2 1.3 1.5 1.4 .6 .2 .2 1.0 1.4 1.6 1.6 1.3 1.2 1.1 .1 .1 .2 .2 .3 .4  
195. \* 1.1 1.3 1.4 1.3 .6 .2 .2 1.0 1.3 1.6 1.4 1.2 1.2 1.1 .0 .1 .1 .2 .3 .4  
200. \* 1.2 1.3 1.4 1.3 .6 .1 .2 1.1 1.2 1.5 1.3 1.1 1.4 1.1 .0 .1 .1 .2 .3 .4  
205. \* 1.2 1.3 1.4 1.2 .6 .3 .2 1.1 1.2 1.4 1.3 1.1 1.5 1.0 .0 .0 .1 .2 .3 .4

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* 1.1 1.2 1.3 1.2 .5 .3 .1 1.2 1.2 1.2 1.2 1.2 1.5 1.1 .0 .0 .0 .1 .3 .4  
215. \* 1.0 1.2 1.3 1.2 .5 .3 .1 1.2 1.2 1.3 1.3 1.2 1.5 1.1 .0 .0 .0 .0 .3 .4  
220. \* .9 1.1 1.2 1.2 .5 .3 .1 1.3 1.2 1.3 1.4 1.2 1.4 1.0 .0 .0 .0 .0 .1 .3  
225. \* .9 1.1 1.2 1.2 .5 .3 .3 1.3 1.2 1.3 1.2 1.4 1.4 1.1 .0 .0 .0 .0 .0 .0  
230. \* .9 1.1 1.1 1.2 .4 .3 .3 1.3 1.3 1.3 1.3 1.5 1.3 1.1 .0 .0 .0 .0 .0 .0  
235. \* 1.0 1.1 1.1 1.2 .4 .3 .3 1.4 1.3 1.2 1.4 1.4 1.3 1.1 .0 .0 .0 .0 .0 .0  
240. \* 1.0 1.1 1.1 1.2 .4 .3 .3 1.4 1.4 1.2 1.4 1.4 1.3 1.2 .0 .0 .0 .0 .0 .0  
245. \* 1.1 1.2 1.0 1.2 .4 .3 .3 1.3 1.4 1.3 1.4 1.4 1.4 1.2 .0 .0 .0 .0 .0 .0  
250. \* 1.1 1.2 1.1 1.2 .4 .3 .3 1.4 1.3 1.3 1.5 1.3 1.1 1.1 .0 .0 .0 .0 .0 .0  
255. \* 1.0 1.1 1.1 1.2 .5 .3 .3 1.3 1.2 1.3 1.5 1.3 1.1 1.0 .0 .0 .0 .0 .0 .0  
260. \* 1.0 1.1 1.2 1.2 .5 .4 .4 1.2 1.2 1.1 1.5 1.3 1.1 .9 .0 .0 .0 .0 .0  
265. \* 1.0 1.1 1.2 1.1 .5 .6 .6 1.1 1.1 1.0 1.4 1.3 1.2 .9 .0 .0 .0 .0 .0  
270. \* 1.0 1.1 1.2 1.2 .7 .6 .6 1.1 1.0 1.0 1.3 1.3 1.3 .8 .0 .0 .0 .0 .0  
275. \* 1.0 1.1 1.2 1.2 .7 .8 .6 1.0 .9 .9 1.3 1.3 1.0 .7 .0 .0 .0 .0 .0  
280. \* 1.2 1.2 1.3 1.1 .7 .7 .7 .8 .7 .8 1.6 1.4 1.2 .7 .0 .0 .0 .0 .0  
285. \* 1.2 1.2 1.4 1.1 .8 .8 .7 .6 .7 .8 1.6 1.4 1.2 .6 .0 .0 .0 .0 .0  
290. \* 1.3 1.4 1.5 1.0 .8 .9 .7 .6 .7 .8 1.5 1.2 1.3 .6 .0 .0 .0 .0 .0  
295. \* 1.3 1.4 1.5 .9 .9 .8 .8 .4 .6 .7 1.6 1.2 1.2 .7 .0 .0 .0 .0 .0  
300. \* 1.4 1.4 1.6 1.1 1.1 .9 .8 .4 .4 .7 1.7 1.2 1.2 .7 .0 .0 .0 .0 .0  
305. \* 1.4 1.5 1.6 1.1 1.0 .8 .8 .3 .2 .6 1.7 1.2 1.2 .6 .0 .0 .0 .0 .0  
310. \* 1.5 1.5 1.7 1.1 1.0 .7 .7 .1 .2 .7 1.8 1.3 1.2 .7 .0 .0 .0 .0 .0  
315. \* 1.6 1.7 1.9 1.2 .9 .7 .7 .0 .2 .6 1.7 1.3 1.2 .8 .0 .0 .0 .0 .0  
320. \* 1.7 1.8 2.0 1.1 .7 .6 .6 .0 .1 .6 1.7 1.3 1.0 .7 .0 .1 .1 .0 .0  
325. \* 1.7 1.9 1.9 1.0 .7 .6 .6 .0 .0 .3 1.6 1.2 1.0 .7 .0 .2 .2 .0 .0  
330. \* 1.5 1.6 1.8 .8 .6 .6 .6 .0 .1 .1 1.3 .8 .7 .6 .1 .3 .4 .0 .0  
335. \* 1.3 1.5 1.9 .7 .6 .6 .6 .0 .1 .1 1.0 .7 .7 .6 .3 .4 .4 .1 .0  
340. \* 1.0 1.6 1.6 .6 .6 .6 .6 .0 .1 .2 .7 .6 .6 .5 .4 .5 .6 .1 .0  
345. \* 1.1 1.3 1.6 .5 .6 .6 .6 .0 .1 .2 .6 .4 .4 .5 .4 .7 .6 .2 .1  
350. \* .8 1.2 1.3 .5 .6 .6 .6 .0 .0 .2 .5 .3 .4 .6 .5 .7 .7 .3 .1  
355. \* .5 1.0 1.1 .4 .6 .6 .6 .0 .0 .1 .3 .3 .4 .6 .5 .7 .8 .5 .2  
360. \* .4 .9 1.1 .4 .6 .6 .6 .0 .0 .0 .2 .3 .3 .5 .6 .7 .8 .5 .2

MAX \* 1.7 1.9 2.0 1.5 1.1 .9 .8 1.4 1.4 1.6 2.0 1.7 1.6 1.3 1.3 1.2 1.1 1.0 .9 1.0  
DEGR. \* 320 325 320 175 300 290 295 235 180 180 170 160 180 175 130 65 45 130 105 95

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.3	.9	1.3	1.4	.8	1.1	1.2	
5.	*	.1	.4	.9	1.2	1.2	.7	1.2	1.2	
10.	*	.2	.6	1.0	1.3	1.0	.9	1.2	1.2	
15.	*	.2	.7	1.0	1.3	.9	1.1	1.1	1.1	
20.	*	.3	.7	.9	1.3	.9	1.2	1.1	1.1	
25.	*	.4	.6	.9	1.3	1.0	1.0	1.1	1.2	
30.	*	.3	.6	1.0	1.1	.9	1.1	1.1	1.2	
35.	*	.4	.7	1.1	1.1	.9	1.1	1.1	1.2	
40.	*	.3	.8	1.0	1.0	.8	1.2	1.1	1.2	
45.	*	.4	.8	.9	1.0	.9	1.3	1.2	1.2	
50.	*	.5	.8	.8	1.0	1.0	1.3	1.1	1.2	
55.	*	.4	.8	.8	1.1	.9	1.3	1.1	1.2	
60.	*	.5	.8	.9	1.2	.9	1.3	1.2	1.2	
65.	*	.6	.7	.9	1.2	.9	1.3	1.2	1.2	
70.	*	.6	.7	.7	1.1	1.0	1.3	1.2	1.0	
75.	*	.5	.7	.7	1.0	1.0	1.3	1.2	1.0	
80.	*	.5	.5	.7	.9	1.1	1.2	1.1	1.0	
85.	*	.6	.5	.7	.9	1.1	1.1	1.1	1.0	
90.	*	.6	.5	.5	.8	1.1	1.0	1.1	.9	
95.	*	.7	.3	.6	.6	1.1	1.0	1.1	.9	
100.	*	.8	.3	.4	.6	1.1	1.0	1.1	.8	
105.	*	.8	.3	.4	.7	1.0	1.0	1.0	.8	
110.	*	.8	.2	.4	.6	1.1	1.1	1.0	.8	
115.	*	.8	.2	.4	.6	1.1	1.1	1.0	.8	
120.	*	.7	.1	.3	.6	1.0	1.2	1.1	.9	
125.	*	.7	.1	.3	.6	1.0	1.2	1.0	1.2	
130.	*	.7	.2	.3	.6	1.2	1.3	1.2	1.2	
135.	*	.7	.2	.3	.6	1.1	1.3	1.2	1.2	
140.	*	.5	.2	.3	.6	1.3	1.2	1.2	1.2	
145.	*	.5	.0	.2	.5	1.2	1.2	1.1	1.1	
150.	*	.5	.0	.2	.3	1.0	.9	.9	1.0	
155.	*	.5	.0	.0	.3	.9	.8	.8	.8	
160.	*	.4	.0	.0	.0	.7	.8	.8	.7	
165.	*	.4	.0	.0	.0	.5	.5	.5	.5	
170.	*	.4	.0	.0	.0	.2	.3	.3	.3	
175.	*	.4	.0	.0	.0	.1	.1	.1	.1	
180.	*	.5	.0	.0	.0	.1	.1	.1	.1	
185.	*	.5	.0	.0	.0	.0	.1	.1	.1	
190.	*	.5	.0	.0	.0	.0	.0	.0	.0	
195.	*	.5	.0	.0	.0	.0	.0	.0	.0	
200.	*	.5	.0	.0	.0	.0	.0	.0	.0	
205.	*	.5	.0	.0	.0	.0	.0	.0	.0	

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JOB: PurpleLine S11 NoBld 2030PM

RUN: PurpleLine S11 NoBld 2030PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0	
215.	*	.3	.1	.0	.0	.0	.0	.0	.0	
220.	*	.2	.1	.1	.0	.0	.0	.0	.0	
225.	*	.1	.1	.1	.0	.0	.0	.0	.0	
230.	*	.0	.1	.1	.1	.0	.0	.0	.0	
235.	*	.0	.1	.1	.1	.1	.0	.0	.0	
240.	*	.0	.1	.1	.1	.1	.1	.1	.0	
245.	*	.0	.2	.1	.1	.2	.1	.0	.0	
250.	*	.0	.2	.2	.2	.2	.1	.0	.0	
255.	*	.0	.2	.3	.2	.3	.1	.0	.0	
260.	*	.0	.2	.3	.3	.4	.1	.0	.0	
265.	*	.0	.4	.2	.5	.6	.1	.0	.0	
270.	*	.0	.4	.3	.6	.7	.1	.0	.0	
275.	*	.0	.4	.3	.7	.8	.1	.0	.0	
280.	*	.0	.2	.4	.7	.9	.1	.0	.0	
285.	*	.0	.2	.4	.7	.9	.2	.0	.0	
290.	*	.0	.2	.5	.7	.9	.2	.1	.0	
295.	*	.0	.2	.5	.7	.9	.2	.1	.0	
300.	*	.0	.2	.6	.7	.9	.3	.1	.1	
305.	*	.0	.2	.6	.8	.8	.3	.1	.1	
310.	*	.0	.3	.7	.8	.9	.3	.3	.2	
315.	*	.0	.3	.7	.8	.7	.3	.3	.2	
320.	*	.0	.3	.7	.8	.8	.4	.3	.2	
325.	*	.0	.4	.7	.8	.9	.4	.3	.2	
330.	*	.0	.4	.7	.8	1.0	.5	.5	.5	
335.	*	.0	.4	.7	.9	1.2	.7	.5	.7	
340.	*	.0	.3	.7	1.0	1.3	.7	.8	.9	
345.	*	.0	.3	.8	.9	1.3	.8	1.2	1.0	
350.	*	.0	.3	1.0	.9	1.3	.9	1.0	1.1	
355.	*	.0	.3	.9	1.2	1.4	.9	1.0	1.1	
360.	*	.0	.3	.9	1.3	1.4	.8	1.1	1.2	
MAX	*	.8	.8	1.1	1.3	1.4	1.3	1.2	1.2	
DEGR.	*	100	40	35	0	0	45	345	0	

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 320 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 170 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 325 DEGREES FROM REC2 .

PurpleLine S11-LBRTAM 2030				60.0321.0.0000.000340.30480000	1	1						
SE MID S	1807.	2472.	5.0									
SE 164 S	1777.	2550.	5.0									
SE 82 S	1748.	2626.	5.0									
SE CNR	1744.	2727.	5.0									
SE 82 E	1841.	2741.	5.0									
SE 164 E	1922.	2738.	5.0									
SE MID E	2005.	2734.	5.0									
NE MID E	1900.	2833.	5.0									
NE 164 E	1818.	2842.	5.0									
NE 82 E	1736.	2847.	5.0									
NE CNR	1659.	2853.	5.0									
NE 82 N	1627.	2929.	5.0									
NE 164 N	1595.	3005.	5.0									
NE MID N	1574.	3085.	5.0									
NW MID N	1211.	3354.	5.0									
NW 164 N	1254.	3283.	5.0									
NW 82 N	1294.	3212.	5.0									
NW CNR	1303.	3104.	5.0									
NW 82 W	1275.	3005.	5.0									
NW 164 W	1231.	2935.	5.0									
NW MID W	1180.	2872.	5.0									
SW MID W	1352.	2681.	5.0									
SW 164 W	1432.	2700.	5.0									
SW 82 W	1514.	2717.	5.0									
SW CNR	1597.	2730.	5.0									
SW 82 S	1627.	2660.	5.0									
SW 164 S	1659.	2584.	5.0									
SW MID S	1690.	2508.	5.0									
SW ISLAND	1457.	2986.	5.0									
SW ISLAND	1498.	2916.	5.0									
SW ISLAND	1536.	2854.	5.0									
SW ISLAND	1442.	2851.	5.0									
SW ISLAND	1336.	2833.	5.0									
SW ISLAND	1395.	2901.	5.0									
PurpleLine S11-LBRTAM 2030		94	1	0								
0	1	ADnbAP	AG	2094.	1673.	1803.	2404.	1510	4.0	0	44	30.
0	2	ADnbT	AG	1797.	2401.	1636.	2800.	1105	4.0	0	56	30.
0	247	ADnbTQ	AG	1661.	2738.	1786.	2427.	0.	36	3		
	173			2.0	1105	32.1	1695	1	3			
0	1	ADnbR	AG	1815.	2410.	1711.	2675.	155	4.0	0	32	30.
0	2	ADnbRQ	AG	1714.	2669.	1804.	2439.	0.	12	1		
	247			2.0	155	32.1	1583	1	3			
0	1	ADnbR	AG	1711.	2675.	1722.	2740.	155	4.0	0	32	30.
0	1	ADnbR	AG	1722.	2740.	1789.	2778.	155	4.0	0	32	30.
0	2	ADnbL	AG	1772.	2400.	1616.	2796.	250	4.0	0	32	30.
0	247	ADnbLQ	AG	1642.	2729.	1765.	2418.	0.	12	1		
	206			2.0	250	32.1	1770	1	3			
0	1	ADnb2	AG	1639.	2803.	1570.	2969.	1205	4.0	0	56	30.
0	2	ADnbT2	AG	1571.	2968.	1458.	3168.	775	4.0	0	56	30.
0	247	ADnbT2Q	AG	1514.	3070.	1570.	2970.	0.	36	3		
	187			2.0	775	32.1	1695	1	3			
0	1	ADnbR2	AG	1592.	2972.	1555.	3064.	430	4.0	0	32	30.
0	1	ADnbR2	AG	1555.	3064.	1551.	3156.	430	4.0	0	32	30.
0	1	ADnbR2	AG	1551.	3156.	1615.	3374.	430	4.0	0	32	30.
0	1	ADnbD	AG	1460.	3169.	1201.	3572.	912	4.0	0	56	30.
0	1	ADnbD	AG	1201.	3572.	1110.	3763.	912	4.0	0	44	30.
0	1	ADsbAP	AG	1082.	3641.	1177.	3472.	1450	3.1	0	68	30.
0	2	ADsbT	AG	1177.	3473.	1422.	3106.	1130	3.1	0	56	30.
0	247	ADsbTQ	AG	1372.	3181.	1203.	3435.	0.	36	3		
	154			2.0	1130	32.1	1695	1	3			
0	2	ADsbR	AG	1177.	3439.	1306.	3233.	80	3.1	0	32	30.
0	247	ADsbRQ	AG	1303.	3238.	1182.	3431.	0.	12	1		
	154			2.0	80	32.1	1583	1	3			
0	1	ADsbR	AG	1306.	3233.	1327.	3131.	80	3.1	0	32	30.
0	1	ADsbR	AG	1327.	3131.	1296.	3001.	80	3.1	0	32	30.
0	1	ADsbR	AG	1296.	3001.	1249.	2911.	80	3.1	0	32	30.
0	2	ADsbL	AG	1228.	3446.	1435.	3128.	240	3.1	0	32	30.

0		ADsbLQ	AG	1388.	3200.	1240.	3427.		0.	12	1	
	247		206	2.0	240	32.1	1770 1 3					
1												
0		ADsb2	AG	1422.	3107.	1495.	2999.	1770	3.1	0	56	30.
1												
0		ADsbT2	AG	1483.	2997.	1593.	2797.	1495	3.1	0	44	30.
2												
0		ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2	
	247		137	2.0	1495	32.1	1770 1 3					
1												
0		ADsbL2	AG	1504.	3003.	1610.	2810.	275	3.1	0	44	30.
2												
0		ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2	
	247		169	2.0	275	32.1	1717 1 3					
1												
0		ADsbD	AG	1595.	2795.	1972.	1867.	1855	3.1	0	44	30.
1												
0		193ebAP	AG	683.	2476.	956.	2578.	1365	3.1	0	44	30.
1												
0		193ebAP	AG	956.	2578.	1101.	2645.	1365	3.1	0	44	30.
1												
0		CMebTR	AG	1101.	2645.	1270.	2700.	410	3.1	0	56	30.
1												
0		CMebTR	AG	1270.	2700.	1462.	2755.	410	3.1	0	56	30.
1												
0		CMebTR	AG	1462.	2755.	1634.	2777.	410	3.1	0	56	30.
2												
0		CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3	
	247		189	2.0	410	32.1	1583 1 3					
1												
0		CMebD1	AG	1633.	2776.	1786.	2777.	475	3.1	0	44	30.
1												
0		CMebD2	AG	1791.	2777.	2624.	2738.	575	3.1	0	44	30.
1												
0		CMwbAP	AG	2626.	2758.	1593.	2817.	530	3.8	0	56	30.
2												
0		CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3	
	247		204	2.0	530	32.1	1672 1 3					
1												
0		CMwbD	AG	1594.	2816.	1417.	2813.	530	3.8	0	44	30.
1												
0		CMwbD	AG	1417.	2813.	1247.	2780.	530	3.8	0	44	30.
1												
0		CMwbD	AG	1247.	2780.	1003.	2670.	530	3.8	0	44	30.
1												
0		193ebL	AG	1024.	2612.	1210.	2746.	955	3.0	0	44	30.
2												
0		193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2	
	247		98	2.0	955	32.1	1717 1 3					
1												
0		193ebAP	AG	1209.	2746.	1334.	2872.	950	3.0	0	44	30.
1												
0		193ebTR	AG	1337.	2871.	1473.	3064.	830	3.0	0	44	30.
2												
0		193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2	
	247		154	2.0	830	32.1	1770 1 3					
1												
0		193ebL	AG	1324.	2884.	1460.	3071.	120	3.0	0	32	30.
2												
0		193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1	
	247		203	2.0	120	32.1	1770 1 3					
1												
0		193ebD	AG	1474.	3064.	1547.	3223.	1500	3.0	0	44	30.
1												
0		193ebD	AG	1547.	3223.	1719.	3800.	1500	3.0	0	44	30.
1												
0		193wbA	AG	1621.	3805.	1555.	3554.	2325	3.0	0	68	30.
1												
0		193wbT	AG	1546.	3554.	1431.	3179.	1510	3.0	0	44	30.
2												
0		193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2	
	247		133	2.0	1510	32.1	1770 1 3					
1												
0		193wbR	AG	1525.	3556.	1451.	3338.	170	3.0	0	32	30.
2												
0		193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1	
	247		133	2.0	170	32.1	1583 1 3					
1												
0		193wbR	AG	1451.	3338.	1379.	3308.	170	3.0	0	32	30.
1												
0		193wbL	AG	1566.	3543.	1447.	3155.	645	3.0	0	44	30.
2												
0		193wbL	AG	1472.	3236.	1558.	3519.		0.	24	2	
	247		189	2.0	645	32.1	1717 1 3					
1												
0		193wbD	AG	1432.	3178.	1295.	2947.	1590	3.0	0	44	30.
1												
0		193wbD	AG	1295.	2947.	1112.	2748.	1590	3.0	0	44	30.
2												
0		193wbQ	AG	1154.	2794.	1276.	2927.		0.	24	2	
	247		98	2.0	1590	32.1	1394 1 3					
1												
0		193wbD1	AG	1111.	2747.	1005.	2671.	1590	3.0	0	44	30.
1												
0		193wbD1	AG	1005.	2671.	850.	2582.	2120	3.0	0	44	30.

[illegible]

JOB: PurpleLine S11-LBRTAM 2030  
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RUN: PurpleLine S11-LBRTAM 2030

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1510.	4.0	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1105.	4.0	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1790.8	2415.0	*	348.	158. AG	181.	100.0	.0	36.0	.77 17.7
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	155.	4.0	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1767.4	2532.5	*	147.	159. AG	60.	100.0	.0	12.0	.35 7.4
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	155.	4.0	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	155.	4.0	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	4.0	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1763.4	2422.1	*	330.	158. AG	72.	100.0	.0	12.0	.94 16.8
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1205.	4.0	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	775.	4.0	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1642.9	2839.8	*	264.	151. AG	196.	100.0	.0	36.0	.67 13.4
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	430.	4.0	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	430.	4.0	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	430.	4.0	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	912.	4.0	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	912.	4.0	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1450.	3.1	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1130.	3.1	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1196.6	3444.6	*	317.	326. AG	161.	100.0	.0	36.0	.62 16.1
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	80.	3.1	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1267.2	3295.1	*	67.	328. AG	54.	100.0	.0	12.0	.14 3.4
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	80.	3.1	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	80.	3.1	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	80.	3.1	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	240.	3.1	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1221.7	3455.0	*	304.	327. AG	72.	100.0	.0	12.0	.91 15.5
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1770.	3.1	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1495.	3.1	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1240.9	3434.3	*	668.	331. AG	96.	100.0	.0	24.0	.98 33.9
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.1	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1524.9	2964.9	*	127.	331. AG	118.	100.0	.0	24.0	.27 6.4
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1855.	3.1	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1365.	3.1	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1365.	3.1	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	410.	3.1	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	410.	3.1	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	410.	3.1	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1443.5	2752.6	*	141.	263. AG	198.	100.0	.0	36.0	.39 7.1
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	475.	3.1	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	575.	3.1	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	530.	3.8	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1894.0	2799.8	*	196.	93. AG	213.	100.0	.0	36.0	.67 10.0
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	530.	3.8	.0	44.0	

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RUN: PurpleLine S11-LBRTAM 2030

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	530.	3.8	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	530.	3.8	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	955.	3.0	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	965.4	2569.9	*	256.	234. AG	68.	100.0	.0	24.0	.47 13.0
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	950.	3.0	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	830.	3.0	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1234.1	2726.8	*	349.	215. AG	107.	100.0	.0	24.0	.65 17.8
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	120.	3.0	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1344.7	2913.3	*	133.	216. AG	71.	100.0	.0	12.0	.42 6.8
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1500.	3.0	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1500.	3.0	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2325.	3.0	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1510.	3.0	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1637.2	3853.7	*	625.	17. AG	93.	100.0	.0	24.0	.96 31.7
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	170.	3.0	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1493.3	3463.2	*	124.	19. AG	46.	100.0	.0	12.0	.24 6.3
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	170.	3.0	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	645.	3.0	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1574.4	3572.9	*	352.	17. AG	132.	100.0	.0	24.0	.86 17.9
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1590.	3.0	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1590.	3.0	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1504.7	3176.3	*	519.	43. AG	68.	100.0	.0	24.0	.97 26.4
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1590.	3.0	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2120.	3.0	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	2120.	3.0	.0	44.0	

70.0	BRTeb	*	688.0	2458.0	929.0	2543.0	*	256.	71. AG	34.	.5	.0	32.0		
71.0	BRTeb	*	929.0	2543.0	1071.0	2612.0	*	158.	64. AG	34.	.5	.0	32.0		
72.0	BRTeb	*	1071.0	2612.0	1151.0	2645.0	*	87.	68. AG	34.	.5	.0	32.0		
73.0	BRTeb	*	1151.0	2645.0	1260.0	2668.0	*	111.	78. AG	34.	.5	.0	32.0		
74.0	BRTeb	*	1260.0	2668.0	1367.0	2703.0	*	113.	72. AG	34.	.5	.0	32.0		
75.0	BRTeb	*	1367.0	2703.0	1484.0	2729.0	*	120.	77. AG	34.	.5	.0	32.0		
76.0	BRTeb	*	1484.0	2729.0	1599.0	2747.0	*	116.	81. AG	34.	.5	.0	32.0		
77.0	BRTebQ	*	1592.0	2745.0	1557.4	2739.8	*	35.	261. AG	4.	100.0	.0	12.0	.08	1.8
78.0	BRTeb	*	1599.0	2746.0	1795.0	2760.0	*	196.	86. AG	34.	.5	.0	32.0		
79.0	BRTeb	*	1795.0	2760.0	2624.0	2723.0	*	830.	93. AG	34.	.5	.0	32.0		
80.0	BRTwb	*	2626.0	2770.0	2565.0	2776.0	*	61.	276. AG	34.	.7	.0	32.0		
81.0	BRTwb	*	2565.0	2776.0	2494.0	2791.0	*	73.	282. AG	34.	.7	.0	32.0		
82.0	BRTwb	*	2494.0	2791.0	1891.0	2818.0	*	604.	273. AG	34.	.7	.0	32.0		
83.0	BRTwb	*	1891.0	2818.0	1828.0	2825.0	*	63.	276. AG	34.	.7	.0	32.0		
84.0	BRTwb	*	1828.0	2825.0	1607.0	2837.0	*	221.	273. AG	34.	.7	.0	32.0		
85.0	BRTwbQ	*	1687.0	2833.0	1724.7	2831.1	*	38.	93. AG	4.	100.0	.0	12.0	.11	1.9
86.0	BRTwb	*	1608.0	2838.0	1534.0	2839.0	*	74.	271. AG	34.	.7	.0	32.0		
87.0	BRTwb	*	1534.0	2839.0	1442.0	2834.0	*	92.	267. AG	34.	.7	.0	32.0		
88.0	BRTwb	*	1442.0	2834.0	1298.0	2811.0	*	146.	261. AG	34.	.7	.0	32.0		
89.0	BRTwb	*	1298.0	2811.0	1217.0	2786.0	*	85.	253. AG	34.	.7	.0	32.0		
90.0	BRTwb	*	1217.0	2786.0	1014.0	2694.0	*	223.	246. AG	34.	.7	.0	32.0		
91.0	BRTwb	*	1014.0	2694.0	912.0	2641.0	*	115.	243. AG	34.	.7	.0	32.0		
92.0	BRTwb	*	912.0	2641.0	857.0	2611.0	*	63.	241. AG	34.	.7	.0	32.0		
93.0	BRTwb	*	857.0	2611.0	796.0	2583.0	*	67.	245. AG	34.	.7	.0	32.0		
94.0	BRTwb	*	796.0	2583.0	666.0	2535.0	*	139.	250. AG	34.	.7	.0	32.0		

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## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3.0	ADnbTQ	*	247	173	2.0	1105	1695	32.10	1 3
5.0	ADnbRQ	*	247	173	2.0	155	1583	32.10	1 3
9.0	ADnbLQ	*	247	206	2.0	250	1770	32.10	1 3
12.0	ADnbT2Q	*	247	187	2.0	775	1695	32.10	1 3
20.0	ADsbTQ	*	247	154	2.0	1130	1695	32.10	1 3
22.0	ADsbRQ	*	247	154	2.0	80	1583	32.10	1 3
27.0	ADsbLQ	*	247	206	2.0	240	1770	32.10	1 3
30.0	ADsbT2Q	*	247	137	2.0	1495	1770	32.10	1 3
32.0	ADsbL2Q	*	247	169	2.0	275	1717	32.10	1 3
39.0	CMebTRq	*	247	189	2.0	410	1583	32.10	1 3
43.0	CMwbQ	*	247	204	2.0	530	1672	32.10	1 3
48.0	193ebLQ	*	247	98	2.0	955	1717	32.10	1 3
51.0	193ebT	*	247	154	2.0	830	1770	32.10	1 3
53.0	193ebL	*	247	203	2.0	120	1770	32.10	1 3
58.0	193wbT	*	247	133	2.0	1510	1770	32.10	1 3
60.0	193wbR	*	247	133	2.0	170	1583	32.10	1 3
63.0	193wbL	*	247	189	2.0	645	1717	32.10	1 3
66.0	193wbQ	*	247	98	2.0	1590	1394	32.10	1 3
77.0	BRTebQ	*	247	188	2.0	34	1863	1.80	1 3
85.0	BRTwbQ	*	247	203	2.0	34	1863	1.80	1 3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2741.0	5.0	*
6. SE 164 E	*	1922.0	2738.0	5.0	*
7. SE MID E	*	2005.0	2734.0	5.0	*
8. NE MID E	*	1900.0	2833.0	5.0	*
9. NE 164 E	*	1818.0	2842.0	5.0	*
10. NE 82 E	*	1736.0	2847.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1627.0	2929.0	5.0	*
13. NE 164 N	*	1595.0	3005.0	5.0	*
14. NE MID N	*	1574.0	3085.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1352.0	2681.0	5.0	*
23. SW 164 W	*	1432.0	2700.0	5.0	*
24. SW 82 W	*	1514.0	2717.0	5.0	*
25. SW CNR	*	1597.0	2730.0	5.0	*

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JOB: PurpleLine S11-LBRTAM 2030  
DATE: 10/17/2007 TIME: 16:31:10.79

RUN: PurpleLine S11-LBRTAM 2030

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## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
26. SW 82 S	*	1627.0	2660.0	5.0	*
27. SW 164 S	*	1659.0	2584.0	5.0	*
28. SW MID S	*	1690.0	2508.0	5.0	*
29. SW ISLAND	*	1457.0	2986.0	5.0	*
30. SW ISLAND	*	1498.0	2916.0	5.0	*
31. SW ISLAND	*	1536.0	2854.0	5.0	*
32. SW ISLAND	*	1442.0	2851.0	5.0	*
33. SW ISLAND	*	1336.0	2833.0	5.0	*
34. SW ISLAND	*	1395.0	2901.0	5.0	*

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JOB: PurpleLine S11-LBRTAM 2030

RUN: PurpleLine S11-LBRTAM 2030

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	* REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.1	.0	.2	.3	.5	.7	1.0	.5	.2	.1
5.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.1	.0	.3	.5	.8	1.0	.5	.2	.1	.1
10.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.1	.0	.1	.6	.8	1.0	.5	.2	.2	.2
15.	*	.1	.1	.2	.3	.4	.1	.1	.0	.0	.1	.0	.1	.8	.9	1.0	.5	.2	.2	.2
20.	*	.0	.1	.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.7	.9	1.0	.6	.3	.2	.2
25.	*	.0	.1	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.8	.9	1.0	.7	.4	.3	.3
30.	*	.0	.1	.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	.8	.9	.8	.6	.4	.5	.5
35.	*	.0	.0	.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	.8	.9	.9	.6	.4	.4	.4
40.	*	.0	.0	.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.8	1.0	.9	.6	.3	.3	.3
45.	*	.0	.0	.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.8	1.0	.8	.6	.4	.3	.3
50.	*	.0	.0	.1	.3	.2	.1	.1	.0	.0	.0	.0	.0	.9	1.1	.9	.5	.3	.3	.3
55.	*	.0	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.9	1.1	.9	.3	.3	.4	.4
60.	*	.0	.0	.0	.2	.3	.2	.2	.0	.0	.0	.0	.0	.9	1.1	.9	.3	.3	.4	.4
65.	*	.0	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	1.0	1.1	.9	.2	.3	.6	.6
70.	*	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	1.0	1.1	.9	.2	.4	.7	.7
75.	*	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	1.0	1.1	.7	.3	.4	.7	.7
80.	*	.0	.0	.0	.1	.2	.2	.1	.0	.0	.1	.0	.0	1.0	1.1	.7	.3	.4	.8	.8
85.	*	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.0	1.0	1.2	.7	.3	.4	.7	.7
90.	*	.0	.0	.0	.0	.1	.1	.1	.1	.0	.2	.2	.0	.0	1.0	1.1	.7	.3	.5	.6
95.	*	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.4	.0	.0	1.0	1.1	.6	.4	.5	.5
100.	*	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.5	.0	.0	1.0	1.0	.6	.5	.6	.5
105.	*	.0	.0	.0	.0	.0	.0	.0	.1	.3	.5	.5	.1	.0	1.1	.9	.6	.5	.6	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6	.6	.1	.0	1.0	.9	.5	.5	.7	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6	.6	.2	.1	.9	.9	.6	.5	.7	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.1	.5	.7	.5	.2	.1	.9	1.0	.5	.5	.5	.5
125.	*	.0	.0	.0	.0	.0	.0	.0	.1	.5	.7	.5	.2	.1	.1	.8	.6	.4	.6	.5
130.	*	.0	.0	.0	.0	.0	.0	.0	.1	.6	.7	.5	.2	.1	.1	.9	.8	.7	.5	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.1	.6	.7	.4	.2	.1	.1	.8	.7	.6	.5	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.1	.6	.7	.3	.3	.2	.1	.7	.7	.4	.5	.3
145.	*	.1	.0	.1	.0	.0	.0	.0	.1	.6	.7	.4	.4	.2	.2	.5	.5	.5	.4	.3
150.	*	.1	.2	.1	.0	.0	.0	.0	.1	.6	.6	.4	.4	.4	.3	.4	.2	.3	.4	.3
155.	*	.1	.3	.5	.1	.0	.0	.0	.1	.6	.6	.6	.7	.5	.4	.2	.1	.4	.4	.3
160.	*	.3	.5	.6	.2	.0	.0	.0	.1	.6	.7	.6	.9	.7	.5	.1	.0	.3	.3	.3
165.	*	.4	.5	.7	.3	.0	.0	.0	.2	.6	.7	.7	.9	.7	.6	.0	.1	.3	.3	.3
170.	*	.5	.6	.8	.6	.0	.0	.0	.2	.6	.8	.7	1.0	.8	.7	.0	.1	.2	.3	.3
175.	*	.5	.7	.9	.5	.1	.0	.0	.2	.7	1.0	.8	.9	.9	.8	.0	.0	.2	.3	.4
180.	*	.5	.7	1.1	.7	.1	.0	.0	.3	.7	1.0	.8	1.0	1.0	.8	.0	.0	.2	.3	.4
185.	*	.5	.8	1.1	.7	.2	.0	.0	.3	.8	1.1	.8	.9	.9	.8	.0	.0	.1	.2	.3
190.	*	.6	.8	1.1	.7	.2	.0	.0	.5	.8	1.1	.6	1.0	1.1	.9	.0	.0	.0	.2	.3
195.	*	.6	.9	1.0	.7	.2	.0	.0	.5	.8	1.1	.6	.9	1.1	.9	.0	.0	.0	.2	.3
200.	*	.5	.9	1.0	.7	.2	.1	.0	.6	.9	1.1	.6	1.0	1.1	.9	.0	.0	.0	.2	.2
205.	*	.6	.9	1.0	.7	.3	.1	.0	.6	.8	1.0	.6	1.0	1.2	.8	.0	.0	.0	.1	.2

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JOB: PurpleLine S11-LBRTAM 2030

RUN: PurpleLine S11-LBRTAM 2030

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	* REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.6	.9	1.0	.6	.3	.1	.0	.7	.8	.8	.6	1.0	1.2	.6	.0	.0	.0	.0	.2
215.	*	.6	.9	1.0	.6	.2	.1	.1	.7	.7	.8	.6	1.0	1.1	.7	.0	.0	.0	.0	.2
220.	*	.6	.9	.9	.6	.2	.1	.1	.7	.7	.8	.6	1.0	1.1	.7	.0	.0	.0	.0	.1
225.	*	.7	.9	.9	.6	.2	.1	.1	.8	.8	.7	.8	1.0	1.0	.7	.0	.0	.0	.0	.1
230.	*	.7	.9	.9	.6	.2	.1	.1	.8	.8	.6	.6	1.0	1.1	.7	.0	.0	.0	.0	.0
235.	*	.7	.8	.9	.6	.2	.1	.1	.8	.8	.4	.7	1.2	1.1	.8	.0	.0	.0	.0	.0
240.	*	.8	.9	.9	.6	.2	.1	.1	.9	.9	.4	.9	1.1	1.1	.8	.0	.0	.0	.0	.0
245.	*	.8	.9	.9	.6	.2	.1	.1	.9	.7	.4	.9	1.2	1.1	.8	.0	.0	.0	.0	.0
250.	*	.8	.9	.9	.6	.2	.1	.1	.9	.7	.4	.9	1.2	1.0	.8	.0	.0	.0	.0	.0
255.	*	.8	1.0	.9	.6	.1	.1	.1	.8	.6	.4	.9	1.2	1.0	.7	.0	.0	.0	.0	.0
260.	*	.8	1.0	.9	.7	.2	.1	.1	.8	.6	.4	.9	1.2	1.0	.7	.0	.0	.0	.0	.0
265.	*	.8	1.0	.9	.5	.2	.1	.2	.7	.5	.3	1.1	1.2	1.0	.7	.0	.0	.0	.0	.0
270.	*	.8	1.0	.9	.5	.2	.3	.2	.6	.4	.3	1.1	1.2	1.0	.7	.0	.0	.0	.0	.0
275.	*	.8	1.0	.9	.5	.3	.2	.1	.5	.2	.6	1.2	1.1	1.0	.6	.0	.0	.0	.0	.0
280.	*	.8	1.0	1.0	.4	.2	.3	.2	.3	.2	.5	1.2	1.1	1.0	.5	.0	.0	.0	.0	.0



285.	*	.8	1.0	1.1	.4	.3	.3	.4	.2	.3	.6	1.2	1.1	1.0	.6	.0	.0	.0	.0	.0	.0
290.	*	.8	1.0	1.1	.4	.3	.5	.4	.3	.3	.6	1.4	1.0	1.0	.6	.0	.0	.0	.0	.0	.0
295.	*	.8	1.0	1.1	.3	.3	.6	.5	.2	.3	.6	1.4	1.0	1.0	.6	.0	.0	.0	.0	.0	.0
300.	*	.9	1.2	1.1	.4	.5	.7	.5	.2	.3	.6	1.5	1.0	1.0	.6	.0	.0	.0	.0	.0	.0
305.	*	1.0	1.2	1.1	.3	.5	.7	.5	.2	.2	.4	1.4	1.0	.9	.5	.0	.0	.0	.0	.0	.0
310.	*	1.1	1.2	1.1	.3	.6	.7	.4	.0	.2	.3	1.3	1.1	.7	.6	.0	.0	.0	.0	.0	.0
315.	*	1.1	1.2	1.1	.6	.6	.6	.2	.0	.1	.4	1.4	1.0	.7	.5	.0	.0	.0	.0	.0	.0
320.	*	1.2	1.4	.9	.6	.5	.4	.2	.0	.0	.4	1.3	.9	.6	.5	.0	.1	.1	.0	.0	.0
325.	*	1.1	1.2	.7	.5	.5	.4	.1	.0	.0	.1	1.2	.8	.5	.5	.0	.1	.1	.0	.0	.0
330.	*	1.1	.8	.6	.5	.4	.3	.1	.0	.0	.1	1.0	.7	.3	.4	.3	.3	.3	.1	.0	.0
335.	*	.6	.7	.6	.4	.4	.3	.1	.0	.0	.0	.7	.2	.3	.4	.3	.3	.5	.1	.0	.0
340.	*	.7	.6	.4	.3	.4	.3	.0	.0	.0	.0	.6	.3	.3	.4	.4	.4	.6	.1	.0	.0
345.	*	.6	.5	.3	.4	.4	.1	.1	.0	.0	.0	.4	.3	.2	.4	.4	.5	.7	.3	.1	.0
350.	*	.2	.3	.2	.3	.4	.1	.1	.0	.0	.0	.2	.2	.2	.3	.4	.7	.8	.4	.1	.0
355.	*	.2	.1	.1	.3	.4	.2	.1	.0	.0	.0	.1	.1	.2	.3	.4	.7	.8	.5	.1	.1
360.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.2	.3	.5	.7	1.0	.5	.2	.1
MAX	*	1.2	1.4	1.1	.7	.6	.7	.5	.9	.9	1.1	1.5	1.2	1.2	.9	1.1	1.2	1.0	.7	.7	.8
DEGR.	*	320	320	315	180	310	300	295	240	240	185	300	235	205	190	105	85	0	25	110	80

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JOB: PurpleLine S11-LBRTAM 2030

RUN: PurpleLine S11-LBRTAM 2030

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34
0.	*	.0	.2	.3	.8	1.0	.6	.8	1.0	.9	.9	1.2	.2	.9	.9
5.	*	.1	.2	.2	.8	.7	.6	1.0	.9	1.0	.9	1.0	.3	1.0	.9
10.	*	.1	.2	.4	.9	.5	.7	.9	1.0	1.0	1.0	1.0	.4	.9	.9
15.	*	.1	.2	.4	.9	.5	.7	.9	1.0	.9	.9	1.1	.2	.9	.8
20.	*	.1	.2	.5	.9	.5	.7	.8	1.0	.8	.9	1.1	.2	.9	.8
25.	*	.1	.2	.6	.8	.4	.7	.8	1.0	.7	.9	1.1	.2	.7	.5
30.	*	.2	.2	.6	.7	.4	.7	.8	.9	.6	.8	1.1	.3	.6	.5
35.	*	.2	.3	.6	.5	.5	.8	.8	.9	.5	.8	1.1	.5	.5	.4
40.	*	.3	.2	.5	.5	.4	.9	.8	.8	.6	.9	1.0	.5	.5	.3
45.	*	.3	.2	.5	.5	.4	.9	.8	.8	.6	.9	1.0	.5	.3	.2
50.	*	.4	.3	.5	.5	.4	.9	.9	.8	.6	.9	1.1	.5	.3	.2
55.	*	.4	.3	.5	.5	.5	.9	.9	.8	.6	1.0	1.1	.5	.2	.3
60.	*	.5	.3	.5	.4	.5	.8	.8	.7	.7	1.1	1.1	.5	.2	.3
65.	*	.5	.3	.4	.4	.5	.8	.8	.7	.7	1.1	1.1	.5	.3	.5
70.	*	.5	.3	.3	.3	.6	.8	.8	.7	.7	1.0	1.1	.5	.3	.5
75.	*	.6	.3	.3	.4	.6	.7	.8	.7	.7	1.0	.9	.5	.3	.5
80.	*	.6	.3	.3	.3	.6	.7	.8	.7	.7	1.0	.9	.5	.1	.5
85.	*	.6	.3	.3	.3	.6	.7	.8	.7	.6	1.0	.8	.5	.2	.5
90.	*	.5	.1	.2	.4	.7	.7	.8	.7	.7	1.0	.9	.5	.3	.5
95.	*	.5	.1	.2	.4	.6	.7	.8	.7	.8	1.2	1.1	.3	.2	.5
100.	*	.5	.1	.2	.4	.7	.8	.8	.7	.8	1.2	.9	.2	.2	.5
105.	*	.5	.1	.2	.5	.7	.8	.7	.7	.9	1.1	.9	.2	.4	.5
110.	*	.6	.1	.2	.5	.7	.9	.8	.7	1.1	1.1	.8	.4	.3	.2
115.	*	.6	.1	.2	.5	.7	.9	.8	.7	1.1	1.1	.5	.4	.4	.3
120.	*	.6	.1	.2	.5	.8	1.0	.9	.8	1.1	1.1	.5	.5	.4	.2
125.	*	.5	.0	.2	.5	.9	.9	.9	.8	1.1	1.0	.7	.5	.4	.2
130.	*	.4	.0	.2	.4	.9	.9	.8	.8	1.2	.8	.5	.5	.4	.3
135.	*	.4	.0	.2	.2	.9	.8	.8	.8	.9	.7	.7	.5	.4	.4
140.	*	.4	.0	.1	.2	.8	.8	.9	.8	.8	.9	.7	.5	.2	.4
145.	*	.4	.0	.0	.2	.8	.9	.8	.6	.8	.7	.7	.6	.1	.4
150.	*	.4	.0	.0	.1	.7	.8	.7	.5	.6	.5	.9	.5	.1	.2
155.	*	.4	.0	.0	.1	.7	.6	.6	.4	.5	.5	.7	.3	.1	.1
160.	*	.4	.0	.0	.0	.5	.5	.5	.4	.5	.4	.6	.3	.1	.1
165.	*	.3	.0	.0	.0	.3	.3	.2	.2	.1	.3	.6	.3	.1	.1
170.	*	.3	.0	.0	.0	.2	.2	.2	.2	.1	.2	.4	.3	.1	.1
175.	*	.3	.0	.0	.0	.1	.1	.1	.1	.1	.2	.4	.3	.1	.0
180.	*	.4	.0	.0	.0	.1	.1	.1	.1	.1	.2	.4	.2	.1	.0
185.	*	.3	.0	.0	.0	.1	.1	.1	.1	.1	.2	.4	.2	.1	.0
190.	*	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.1	.1	.0
195.	*	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.1	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.2	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.0	.2	.1

1

JOB: PurpleLine S11-LBRTAM 2030

RUN: PurpleLine S11-LBRTAM 2030

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34
210.	*	.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.3	.0	.2	.1
215.	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	.0	.3	.0	.3	.2
220.	*	.1	.0	.0	.0	.0	.0	.0	.0	.3	.0	.3	.0	.3	.2
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.2	.0	.5	.2
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.2	.0	.5	.4

235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.2	.2	.7	.5
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.1	.2	.5	.5
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.2	.5	.5
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.1	.1	.5	.6
255.	*	.0	.0	.0	.0	.1	.0	.0	.0	.6	.1	.1	.1	.6	.6
260.	*	.0	.1	.0	.0	.1	.0	.0	.0	.6	.1	.1	.1	.6	.6
265.	*	.0	.1	.0	.0	.2	.0	.0	.0	.6	.2	.1	.1	.7	.6
270.	*	.0	.1	.0	.0	.2	.0	.0	.0	.6	.2	.1	.1	.6	.6
275.	*	.0	.0	.0	.1	.3	.0	.0	.0	.7	.2	.1	.2	.6	.6
280.	*	.0	.0	.0	.2	.4	.0	.0	.0	.7	.2	.1	.2	.6	.6
285.	*	.0	.0	.1	.3	.5	.1	.0	.0	.6	.2	.1	.2	.6	.6
290.	*	.0	.0	.1	.3	.6	.1	.0	.0	.6	.3	.1	.2	.6	.6
295.	*	.0	.1	.1	.4	.6	.1	.0	.0	.6	.3	.1	.2	.6	.6
300.	*	.0	.1	.1	.4	.6	.2	.1	.0	.6	.3	.1	.2	.6	.6
305.	*	.0	.1	.1	.5	.6	.3	.1	.0	.6	.2	.1	.2	.6	.6
310.	*	.0	.1	.1	.5	.6	.2	.2	.1	.6	.2	.1	.2	.6	.7
315.	*	.0	.1	.1	.5	.5	.3	.2	.2	.8	.3	.3	.2	.6	.7
320.	*	.0	.1	.1	.5	.5	.4	.2	.2	.6	.4	.4	.2	.6	.7
325.	*	.0	.1	.1	.5	.7	.4	.3	.2	.8	.6	.4	.3	.6	.7
330.	*	.0	.1	.1	.5	.8	.5	.4	.4	.9	.7	.5	.4	.5	.8
335.	*	.0	.1	.1	.7	1.0	.6	.5	.6	1.0	.7	.6	.5	.5	.8
340.	*	.0	.1	.1	.6	.8	.7	.6	.8	.9	.7	.9	.5	.5	.9
345.	*	.0	.1	.3	.6	.8	.8	.8	.9	.8	.7	.8	.4	.6	.9
350.	*	.0	.2	.3	.6	.9	.7	.7	.8	.8	.7	.8	.4	.8	.9
355.	*	.0	.2	.3	.6	.9	.6	.8	.9	.9	.9	1.1	.4	.9	.9
360.	*	.0	.2	.3	.8	1.0	.6	.8	1.0	.9	.9	1.2	.2	.9	.9
-----*															
MAX	*	.6	.3	.6	.9	1.0	1.0	1.0	1.0	1.2	1.2	1.2	.6	1.0	.9
DEGR.	*	75	35	25	10	0	120	5	0	130	95	0	145	5	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 235 DEGREES FROM REC12.

PurpleLine S11-LBRTPM 2030										60.0321.0.0000.000340.30480000										1	1
SE MID S			1807.		2472.		5.0														
SE 164 S			1777.		2550.		5.0														
SE 82 S			1748.		2626.		5.0														
SE CNR			1744.		2727.		5.0														
SE 82 E			1841.		2741.		5.0														
SE 164 E			1922.		2738.		5.0														
SE MID E			2005.		2734.		5.0														
NE MID E			1900.		2833.		5.0														
NE 164 E			1818.		2842.		5.0														
NE 82 E			1736.		2847.		5.0														
NE CNR			1659.		2853.		5.0														
NE 82 N			1627.		2929.		5.0														
NE 164 N			1595.		3005.		5.0														
NE MID N			1574.		3085.		5.0														
NW MID N			1211.		3354.		5.0														
NW 164 N			1254.		3283.		5.0														
NW 82 N			1294.		3212.		5.0														
NW CNR			1303.		3104.		5.0														
NW 82 W			1275.		3005.		5.0														
NW 164 W			1231.		2935.		5.0														
NW MID W			1180.		2872.		5.0														
SW MID W			1352.		2681.		5.0														
SW 164 W			1432.		2700.		5.0														
SW 82 W			1514.		2717.		5.0														
SW CNR			1597.		2730.		5.0														
SW 82 S			1627.		2660.		5.0														
SW 164 S			1659.		2584.		5.0														
SW MID S			1690.		2508.		5.0														
SW ISLAND			1457.		2986.		5.0														
SW ISLAND			1498.		2916.		5.0														
SW ISLAND			1536.		2854.		5.0														
SW ISLAND			1442.		2851.		5.0														
SW ISLAND			1336.		2833.		5.0														
SW ISLAND			1395.		2901.		5.0														
PurpleLine S11-LBRTPM 2030										94 1 0											
0	1		ADnbAP	AG	2094.	1673.	1803.	2404.		2265	5.4	0	44	30.							
0	2		ADnbT	AG	1797.	2401.	1636.	2800.		1765	5.4	0	56	30.							
0	1		ADnbTQ	AG	1661.	2738.	1786.	2427.		0.	36	3									
		248		158	2.0	1765	32.1	1695	1 3												

0		ADsbLQ	AG	1388.	3200.	1240.	3427.	0.	12	1			
	248	214		2.0	135	32.1	1770 1 3						
1													
0		ADsb2	AG	1422.	3107.	1495.	2999.	1570	3.0	0	56	30.	
1													
0		ADsbT2	AG	1483.	2997.	1593.	2797.	1295	3.0	0	44	30.	
2													
0		ADsbT2Q	AG	1564.	2850.	1491.	2982.	0.	24	2			
	248	145		2.0	1295	32.1	1770 1 3						
1													
0		ADsbL2	AG	1504.	3003.	1610.	2810.	275	3.0	0	44	30.	
2													
0		ADsbL2Q	AG	1586.	2854.	1511.	2990.	0.	24	2			
	248	200		2.0	275	32.1	1717 1 3						
1													
0		ADsbD	AG	1595.	2795.	1972.	1867.	1885	3.0	0	44	30.	
1													
0		193ebAP	AG	683.	2476.	956.	2578.	2355	3.7	0	44	30.	
1													
0		193ebAP	AG	956.	2578.	1101.	2645.	2355	3.7	0	44	30.	
1													
0		CMebTR	AG	1101.	2645.	1270.	2700.	610	3.7	0	56	30.	
1													
0		CMebTR	AG	1270.	2700.	1462.	2755.	610	3.7	0	56	30.	
1													
0		CMebTR	AG	1462.	2755.	1634.	2777.	610	3.7	0	56	30.	
2													
0		CMebTRq	AG	1583.	2770.	1463.	2755.	0.	36	3			
	248	195		2.0	610	32.1	1723 1 3						
1													
0		CMebD1	AG	1633.	2776.	1786.	2777.	520	3.7	0	44	30.	
1													
0		CMebD2	AG	1791.	2777.	2624.	2738.	770	3.7	0	44	30.	
1													
0		CMwbAP	AG	2626.	2758.	1593.	2817.	1235	3.7	0	56	30.	
2													
0		CMwbQ	AG	1698.	2811.	2101.	2788.	0.	36	3			
	248	185		2.0	1235	32.1	1691 1 3						
1													
0		CMwbD	AG	1594.	2816.	1417.	2813.	815	3.7	0	44	30.	
1													
0		CMwbD	AG	1417.	2813.	1247.	2780.	815	3.7	0	44	30.	
1													
0		CMwbD	AG	1247.	2780.	1003.	2670.	815	3.7	0	44	30.	
1													
0		193ebL	AG	1024.	2612.	1210.	2746.	1745	2.9	0	44	30.	
2													
0		193ebLQ	AG	1173.	2719.	1031.	2617.	0.	24	2			
	248	107		2.0	1745	32.1	1717 1 3						
1													
0		193ebAP	AG	1209.	2746.	1334.	2872.	1745	2.9	0	44	30.	
1													
0		193ebTR	AG	1337.	2871.	1473.	3064.	1620	2.9	0	44	30.	
2													
0		193ebT	AG	1436.	3012.	1339.	2875.	0.	24	2			
	248	140		2.0	1620	32.1	1770 1 3						
1													
0		193ebL	AG	1324.	2884.	1460.	3071.	125	2.9	0	32	30.	
2													
0		193ebL	AG	1423.	3021.	1327.	2889.	0.	12	1			
	248	181		2.0	125	32.1	1770 1 3						
1													
0		193ebD	AG	1474.	3064.	1547.	3223.	2500	2.9	0	44	30.	
1													
0		193ebD	AG	1547.	3223.	1719.	3800.	2500	2.9	0	44	30.	
1													
0		193wbA	AG	1621.	3805.	1555.	3554.	2050	2.9	0	68	30.	
1													
0		193wbT	AG	1546.	3554.	1431.	3179.	1215	2.9	0	44	30.	
2													
0		193wbT	AG	1455.	3256.	1537.	3525.	0.	24	2			
	248	165		2.0	1215	32.1	1770 1 3						
1													
0		193wbR	AG	1525.	3556.	1451.	3338.	365	2.9	0	32	30.	
2													
0		193wbR	AG	1454.	3346.	1518.	3537.	0.	12	1			
	248	165		2.0	365	32.1	1583 1 3						
1													
0		193wbR	AG	1451.	3338.	1379.	3308.	365	2.9	0	32	30.	
1													
0		193wbL	AG	1566.	3543.	1447.	3155.	470	2.9	0	44	30.	
2													
0		193wbL	AG	1472.	3236.	1558.	3519.	0.	24	2			
	248	213		2.0	470	32.1	1717 1 3						
1													
0		193wbD	AG	1432.	3178.	1295.	2947.	1405	2.9	0	44	30.	
1													
0		193wbD	AG	1295.	2947.	1112.	2748.	1405	2.9	0	44	30.	
2													
0		193wbQ	AG	1154.	2794.	1276.	2927.	0.	24	2			
	248	107		2.0	1405	32.1	1394 1 3						
1													
0		193wbD1	AG	1111.	2747.	1005.	2671.	815	2.9	0	44	30.	
1													
0		193wbD1	AG	1005.	2671.	850.	2582.	1630	2.9	0	44	30.	

0	1	193wbD1	AG	850.	2582.	673.	2513.	1630	2.9	0	44	30.
0	1	BRTEb	AG	688.	2458.	929.	2543.	34	0.7	0	32	30.
0	1	BRTEb	AG	929.	2543.	1071.	2612.	34	0.7	0	32	30.
0	1	BRTEb	AG	1071.	2612.	1151.	2645.	34	0.7	0	32	30.
0	1	BRTEb	AG	1151.	2645.	1260.	2668.	34	0.7	0	32	30.
0	1	BRTEb	AG	1260.	2668.	1367.	2703.	34	0.7	0	32	30.
0	1	BRTEb	AG	1367.	2703.	1484.	2729.	34	0.7	0	32	30.
0	2	BRTEb	AG	1484.	2729.	1599.	2747.	34	0.7	0	32	30.
0	1	BRTEbQ	AG	1592.	2745.	1485.	2729.	0.	12	1		
0	1	BRTEb	AG	1599.	2746.	1795.	2760.	34	0.7	0	32	30.
0	1	BRTEb	AG	1795.	2760.	2624.	2723.	34	0.7	0	32	30.
0	1	BRTwb	AG	2626.	2770.	2565.	2776.	34	0.7	0	32	30.
0	1	BRTwb	AG	2565.	2776.	2494.	2791.	34	0.7	0	32	30.
0	1	BRTwb	AG	2494.	2791.	1891.	2818.	34	0.7	0	32	30.
0	1	BRTwb	AG	1891.	2818.	1828.	2825.	34	0.7	0	32	30.
0	2	BRTwb	AG	1828.	2825.	1607.	2837.	34	0.7	0	32	30.
0	1	BRTwbQ	AG	1687.	2833.	1825.	2826.	0.	12	1		
0	1	BRTwb	AG	1608.	2838.	1534.	2839.	34	0.7	0	32	30.
0	1	BRTwb	AG	1534.	2839.	1442.	2834.	34	0.7	0	32	30.
0	1	BRTwb	AG	1442.	2834.	1298.	2811.	34	0.7	0	32	30.
0	1	BRTwb	AG	1298.	2811.	1217.	2786.	34	0.7	0	32	30.
0	1	BRTwb	AG	1217.	2786.	1014.	2694.	34	0.7	0	32	30.
0	1	BRTwb	AG	1014.	2694.	912.	2641.	34	0.7	0	32	30.
0	1	BRTwb	AG	912.	2641.	857.	2611.	34	0.7	0	32	30.
0	1	BRTwb	AG	857.	2611.	796.	2583.	34	0.7	0	32	30.
1.0	04	BRTwb	AG	796.	2583.	666.	2535.	34	0.7	0	32	30.

JOB: PurpleLine S11-LBRTPM 2030  
 DATE: 10/17/2007 TIME: 17:11:48.28

RUN: PurpleLine S11-LBRTPM 2030

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	2265.	5.4	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1765.	5.4	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1897.5	2149.6	*	634.	158. AG	165.	100.0	.0	36.0	1.00 32.2
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	250.	5.4	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1792.7	2467.9	*	216.	159. AG	55.	100.0	.0	12.0	.46 11.0
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	250.	5.4	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	250.	5.4	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	5.4	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1910.2	2050.9	*	729.	158. AG	74.	100.0	.0	12.0	1.17 37.0
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	2210.	5.4	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1465.	5.4	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1805.9	2548.8	*	597.	151. AG	180.	100.0	.0	36.0	1.01 30.3
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	745.	5.4	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	745.	5.4	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	745.	5.4	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1955.	5.4	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1955.	5.4	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1435.	3.0	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1105.	3.0	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1208.1	3427.3	*	296.	326. AG	153.	100.0	.0	36.0	.56 15.0
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	195.	3.0	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1219.7	3370.8	*	157.	328. AG	51.	100.0	.0	12.0	.32 8.0
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	195.	3.0	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	195.	3.0	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	195.	3.0	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	135.	3.0	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1301.7	3332.3	*	158.	327. AG	74.	100.0	.0	12.0	.63 8.0
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1570.	3.0	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1295.	3.0	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1297.3	3332.3	*	551.	331. AG	101.	100.0	.0	24.0	.92 28.0
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.0	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1513.6	2985.2	*	150.	331. AG	139.	100.0	.0	24.0	.45 7.6
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1885.	3.0	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	2355.	3.7	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2355.	3.7	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	610.	3.7	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	610.	3.7	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	610.	3.7	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1368.2	2743.2	*	216.	263. AG	203.	100.0	.0	36.0	.60 11.0
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	520.	3.7	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	770.	3.7	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1235.	3.7	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	2299.7	2776.7	*	603.	93. AG	193.	100.0	.0	36.0	1.02 30.6
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	815.	3.7	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	815.	3.7	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	815.	3.7	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1745.	2.9	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	730.6	2401.2	*	545.	234. AG	74.	100.0	.0	24.0	.92 27.7
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1745.	2.9	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1620.	2.9	.0	44.0	
51. 0	193ebT	1436.0	3012.0	608.6	1843.3	*	1432.	215. AG	97.	100.0	.0	24.0	1.09 72.7
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	125.	2.9	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1350.2	2920.9	*	124.	216. AG	63.	100.0	.0	12.0	.28 6.3
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2500.	2.9	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2500.	2.9	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	2.9	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1215.	2.9	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1776.7	4311.3	*	1103.	17. AG	115.	100.0	.0	24.0	1.08 56.0
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	365.	2.9	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1558.6	3658.3	*	329.	19. AG	57.	100.0	.0	12.0	.72 16.7
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	365.	2.9	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	470.	2.9	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1634.2	3769.7	*	558.	17. AG	148.	100.0	.0	24.0	1.10 28.3
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1405.	2.9	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1405.	2.9	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1452.2	3119.0	*	441.	43. AG	74.	100.0	.0	24.0	.91 22.4
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	815.	2.9	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	1630.	2.9	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	1630.	2.9	.0	44.0	

70.0	BRTeb	*	688.0	2458.0	929.0	2543.0	*	256.	71. AG	34.	.7	.0	32.0		
71.0	BRTeb	*	929.0	2543.0	1071.0	2612.0	*	158.	64. AG	34.	.7	.0	32.0		
72.0	BRTeb	*	1071.0	2612.0	1151.0	2645.0	*	87.	68. AG	34.	.7	.0	32.0		
73.0	BRTeb	*	1151.0	2645.0	1260.0	2668.0	*	111.	78. AG	34.	.7	.0	32.0		
74.0	BRTeb	*	1260.0	2668.0	1367.0	2703.0	*	113.	72. AG	34.	.7	.0	32.0		
75.0	BRTeb	*	1367.0	2703.0	1484.0	2729.0	*	120.	77. AG	34.	.7	.0	32.0		
76.0	BRTeb	*	1484.0	2729.0	1599.0	2747.0	*	116.	81. AG	34.	.7	.0	32.0		
77.0	BRTebQ	*	1592.0	2745.0	1556.3	2739.7	*	36.	261. AG	4.	100.0	.0	12.0	.10	1.8
78.0	BRTeb	*	1599.0	2746.0	1795.0	2760.0	*	196.	86. AG	34.	.7	.0	32.0		
79.0	BRTeb	*	1795.0	2760.0	2624.0	2723.0	*	830.	93. AG	34.	.7	.0	32.0		
80.0	BRTwb	*	2626.0	2770.0	2565.0	2776.0	*	61.	276. AG	34.	.7	.0	32.0		
81.0	BRTwb	*	2565.0	2776.0	2494.0	2791.0	*	73.	282. AG	34.	.7	.0	32.0		
82.0	BRTwb	*	2494.0	2791.0	1891.0	2818.0	*	604.	273. AG	34.	.7	.0	32.0		
83.0	BRTwb	*	1891.0	2818.0	1828.0	2825.0	*	63.	276. AG	34.	.7	.0	32.0		
84.0	BRTwb	*	1828.0	2825.0	1607.0	2837.0	*	221.	273. AG	34.	.7	.0	32.0		
85.0	BRTwbQ	*	1687.0	2833.0	1721.2	2831.3	*	34.	93. AG	4.	100.0	.0	12.0	.09	1.7
86.0	BRTwb	*	1608.0	2838.0	1534.0	2839.0	*	74.	271. AG	34.	.7	.0	32.0		
87.0	BRTwb	*	1534.0	2839.0	1442.0	2834.0	*	92.	267. AG	34.	.7	.0	32.0		
88.0	BRTwb	*	1442.0	2834.0	1298.0	2811.0	*	146.	261. AG	34.	.7	.0	32.0		
89.0	BRTwb	*	1298.0	2811.0	1217.0	2786.0	*	85.	253. AG	34.	.7	.0	32.0		
90.0	BRTwb	*	1217.0	2786.0	1014.0	2694.0	*	223.	246. AG	34.	.7	.0	32.0		
91.0	BRTwb	*	1014.0	2694.0	912.0	2641.0	*	115.	243. AG	34.	.7	.0	32.0		
92.0	BRTwb	*	912.0	2641.0	857.0	2611.0	*	63.	241. AG	34.	.7	.0	32.0		
93.0	BRTwb	*	857.0	2611.0	796.0	2583.0	*	67.	245. AG	34.	.7	.0	32.0		
94.0	BRTwb	*	796.0	2583.0	666.0	2535.0	*	139.	250. AG	34.	.7	.0	32.0		

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## ADDITIONAL QUEUE LINK PARAMETERS

LINK	DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3.0	ADnbTQ	*	248	158	2.0	1765	1695	32.10	1	3
5.0	ADnbRQ	*	248	158	2.0	250	1583	32.10	1	3
9.0	ADnbLQ	*	248	214	2.0	250	1770	32.10	1	3
12.0	ADnbT2Q	*	248	173	2.0	1465	1695	32.10	1	3
20.0	ADsbTQ	*	248	147	2.0	1105	1695	32.10	1	3
22.0	ADsbRQ	*	248	147	2.0	195	1583	32.10	1	3
27.0	ADsbLQ	*	248	214	2.0	135	1770	32.10	1	3
30.0	ADsbT2Q	*	248	145	2.0	1295	1770	32.10	1	3
32.0	ADsbL2Q	*	248	200	2.0	275	1717	32.10	1	3
39.0	CMebTRq	*	248	195	2.0	610	1723	32.10	1	3
43.0	CMwbQ	*	248	185	2.0	1235	1691	32.10	1	3
48.0	193ebLQ	*	248	107	2.0	1745	1717	32.10	1	3
51.0	193ebT	*	248	140	2.0	1620	1770	32.10	1	3
53.0	193ebL	*	248	181	2.0	125	1770	32.10	1	3
58.0	193wbT	*	248	165	2.0	1215	1770	32.10	1	3
60.0	193wbR	*	248	165	2.0	365	1583	32.10	1	3
63.0	193wbL	*	248	213	2.0	470	1717	32.10	1	3
66.0	193wbQ	*	248	107	2.0	1405	1394	32.10	1	3
77.0	BRTebQ	*	248	194	2.0	34	1770	1.80	1	3
85.0	BRTwbQ	*	248	184	2.0	34	1611	1.80	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2741.0	5.0	*
6. SE 164 E	*	1922.0	2738.0	5.0	*
7. SE MID E	*	2005.0	2734.0	5.0	*
8. NE MID E	*	1900.0	2833.0	5.0	*
9. NE 164 E	*	1818.0	2842.0	5.0	*
10. NE 82 E	*	1736.0	2847.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1627.0	2929.0	5.0	*
13. NE 164 N	*	1595.0	3005.0	5.0	*
14. NE MID N	*	1574.0	3085.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1352.0	2681.0	5.0	*
23. SW 164 W	*	1432.0	2700.0	5.0	*
24. SW 82 W	*	1514.0	2717.0	5.0	*
25. SW CNR	*	1597.0	2730.0	5.0	*

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## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
26. SW 82 S	*	1627.0	2660.0	5.0	*
27. SW 164 S	*	1659.0	2584.0	5.0	*
28. SW MID S	*	1690.0	2508.0	5.0	*
29. SW ISLAND	*	1457.0	2986.0	5.0	*
30. SW ISLAND	*	1498.0	2916.0	5.0	*
31. SW ISLAND	*	1536.0	2854.0	5.0	*
32. SW ISLAND	*	1442.0	2851.0	5.0	*
33. SW ISLAND	*	1336.0	2833.0	5.0	*
34. SW ISLAND	*	1395.0	2901.0	5.0	*

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.4	.9	1.1	.4	.5	.6	.6	.0	.0	.0	.2	.3	.3	.5	.6	.7	.8	.5	.2	.1
5.	.3	.8	1.1	.4	.5	.6	.6	.0	.0	.0	.1	.2	.3	.4	.5	.7	1.0	.5	.2	.2
10.	.2	.8	1.0	.4	.6	.6	.6	.0	.0	.0	.1	.0	.2	.4	.5	.8	1.0	.5	.3	.2
15.	.2	.8	.9	.4	.6	.6	.6	.0	.0	.0	.0	.0	.2	.6	.8	1.0	.7	.4	.3	
20.	.2	.7	.9	.4	.5	.6	.6	.0	.0	.0	.0	.0	.1	.7	.7	1.0	.8	.5	.5	
25.	.1	.7	.9	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.7	.8	1.0	.7	.5	.5	
30.	.1	.7	.9	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.7	.8	1.0	.7	.5	.5	
35.	.1	.7	.9	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.8	1.0	1.0	.7	.6	.5	
40.	.1	.7	.8	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.8	1.0	1.0	.7	.6	.5	
45.	.1	.7	.8	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.9	1.0	1.1	.7	.3	.3	
50.	.1	.7	.8	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.9	1.1	1.1	.7	.3	.3	
55.	.1	.7	.9	.4	.6	.6	.6	.0	.0	.0	.0	.0	.0	.9	1.1	1.1	.4	.3	.4	
60.	.1	.6	.9	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.9	1.1	1.1	.2	.4	.4	
65.	.0	.6	.9	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	1.0	1.1	1.1	.3	.4	.5	
70.	.0	.6	.7	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	1.0	1.2	1.1	.3	.4	.7	
75.	.0	.5	.7	.5	.6	.6	.5	.1	.1	.1	.1	.0	.0	.9	1.2	1.0	.4	.5	.8	
80.	.0	.4	.7	.5	.6	.5	.5	.2	.1	.2	.1	.0	.0	.9	1.2	.9	.4	.5	.7	
85.	.0	.4	.6	.4	.5	.5	.4	.3	.3	.3	.3	.0	.0	.9	1.2	.9	.4	.5	.7	
90.	.0	.3	.7	.4	.4	.4	.4	.4	.4	.4	.4	.1	.0	.9	1.2	.8	.5	.6	.9	
95.	.0	.3	.7	.1	.4	.3	.3	.6	.5	.5	.5	.1	.0	1.0	1.1	.7	.5	.7	1.0	
100.	.0	.3	.7	.1	.2	.2	.1	.8	.8	.8	.7	.3	.1	.0	1.2	1.1	.7	.5	.8	.7
105.	.0	.2	.7	.0	.1	.0	.0	.9	.9	.9	.7	.3	.1	.0	1.2	1.0	.8	.7	.9	.6
110.	.0	.2	.8	.0	.0	.0	.0	1.0	.9	.9	.8	.3	.1	.1	1.2	1.0	.8	.7	.9	.7
115.	.0	.2	.9	.0	.0	.0	.0	1.0	.9	.9	.8	.4	.2	.1	1.0	1.1	.8	.7	.9	.8
120.	.0	.1	.9	.0	.0	.0	.0	1.0	.9	.9	.8	.4	.3	.1	1.2	1.2	.7	.8	.6	.7
125.	.0	.1	.9	.0	.0	.0	.0	.9	.9	.9	.7	.4	.3	.1	1.3	1.1	.7	.8	.7	.7
130.	.0	.1	.9	.0	.0	.0	.0	.9	.9	.8	.7	.4	.3	.1	1.3	1.0	.8	.9	.8	.6
135.	.0	.1	.9	.1	.0	.0	.0	.9	.9	.8	.7	.4	.3	.1	.9	.9	.7	.6	.7	.7
140.	.1	.1	.9	.1	.0	.0	.0	.9	.7	.6	.7	.5	.2	.2	.8	.8	.6	.7	.5	.7
145.	.2	.2	1.2	.2	.0	.0	.0	.8	.7	.6	1.1	.8	.5	.2	.7	.6	.4	.6	.5	.6
150.	.3	.4	1.3	.4	.0	.0	.0	.7	.7	.6	1.3	.9	.8	.5	.6	.4	.5	.5	.4	.6
155.	.6	.6	1.3	.5	.0	.0	.0	.7	.7	.9	1.6	1.3	1.1	.7	.3	.2	.6	.4	.4	.5
160.	.9	1.1	1.7	.8	.1	.0	.0	.7	.7	.9	1.9	1.6	1.4	1.0	.1	.0	.3	.4	.4	.5
165.	1.1	1.2	1.7	1.1	.1	.0	.0	.7	.9	1.1	1.9	1.7	1.5	.9	.0	.1	.3	.4	.2	.5
170.	1.3	1.3	1.8	1.3	.2	.1	.0	.8	.9	1.4	2.0	1.7	1.4	1.2	.0	.1	.2	.4	.3	.5
175.	1.3	1.4	1.7	1.5	.2	.1	.1	.8	1.0	1.4	1.9	1.6	1.4	1.2	.1	.1	.2	.3	.3	.5
180.	1.3	1.4	1.6	1.5	.3	.2	.1	.9	1.0	1.4	1.7	1.4	1.5	1.0	.1	.1	.2	.3	.3	.4
185.	1.2	1.4	1.5	1.4	.6	.2	.1	.9	1.0	1.4	1.6	1.3	1.1	1.0	.1	.1	.2	.2	.3	.4
190.	1.2	1.3	1.5	1.4	.7	.2	.2	.9	1.1	1.4	1.6	1.3	1.3	1.0	.1	.1	.2	.2	.3	.4
195.	1.1	1.3	1.4	1.3	.6	.2	.2	.9	1.2	1.4	1.4	1.1	1.5	1.1	.0	.1	.1	.2	.3	.4
200.	1.2	1.3	1.4	1.3	.7	.2	.2	1.0	1.2	1.3	1.3	1.2	1.5	1.1	.0	.1	.1	.2	.3	.4
205.	1.2	1.3	1.3	1.2	.6	.3	.2	1.0	1.1	1.3	1.3	1.1	1.4	1.0	.0	.0	.1	.2	.3	.4

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JOB: PurpleLine S11-LBRTPM 2030

RUN: PurpleLine S11-LBRTPM 2030

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	1.2	1.3	1.2	.5	.3	.1	1.0	1.0	1.1	1.2	1.2	1.4	1.1	.0	.0	.0	.1	.3	.4
215.	1.0	1.2	1.3	1.2	.5	.3	.1	1.0	1.0	1.1	1.3	1.3	1.4	1.1	.0	.0	.0	.0	.3	.4
220.	.9	1.1	1.2	1.2	.5	.3	.1	1.0	1.0	1.0	1.4	1.3	1.3	.9	.0	.0	.0	.0	.1	.3
225.	.9	1.1	1.1	1.2	.5	.3	.3	1.2	1.0	1.0	1.3	1.5	1.4	1.1	.0	.0	.0	.0	.0	.0
230.	.9	1.1	1.0	1.2	.4	.3	.3	1.1	1.0	1.0	1.3	1.4	1.3	.9	.0	.0	.0	.0	.0	.0
235.	.9	1.1	1.0	1.2	.4	.3	.3	1.1	1.1	.9	1.4	1.4	1.3	1.1	.0	.0	.0	.0	.0	.0
240.	.9	1.1	1.0	1.2	.4	.3	.3	1.1	1.2	1.0	1.4	1.4	1.2	1.1	.0	.0	.0	.0	.0	.0
245.	1.1	1.1	1.0	1.2	.4	.3	.3	1.1	1.1	1.0	1.3	1.4	1.1	1.0	.0	.0	.0	.0	.0	.0
250.	1.1	1.1	1.1	1.2	.4	.3	.3	1.2	1.0	1.0	1.5	1.3	1.1	1.0	.0	.0	.0	.0	.0	.0
255.	1.0	1.1	1.1	1.2	.4	.3	.3	1.1	1.1	.9	1.5	1.3	1.1	1.0	.0	.0	.0	.0	.0	.0
260.	1.0	1.1	1.1	1.2	.5	.4	.3	.9	.8	.7	1.5	1.3	1.2	.8	.0	.0	.0	.0	.0	.0
265.	1.0	1.1	1.1	1.1	.5	.5	.5	.8	.7	.8	1.4	1.3	1.2	.8	.0	.0	.0	.0	.0	.0
270.	1.0	1.1	1.1	1.2	.5	.6	.5	.7	.7	.9	1.3	1.3	1.1	.7	.0	.0	.0	.0	.0	.0
275.	1.0	1.1	1.1	1.2	.5	.5	.6	.5	.6	.8	1.3	1.3	.9	.7	.0	.0	.0	.0	.0	.0
280.	1.1	1.2	1.2	1.1	.5	.7	.6	.5	.7	.7	1.6	1.4	1.2	.6	.0	.0	.0	.0	.0	.0



285.	*	1.1	1.2	1.4	1.1	.7	.7	.6	.5	.5	.7	1.6	1.3	1.2	.5	.0	.0	.0	.0	.0	.0
290.	*	1.3	1.4	1.5	1.0	.7	.8	.6	.4	.5	.7	1.5	1.2	1.2	.6	.0	.0	.0	.0	.0	.0
295.	*	1.3	1.4	1.5	.9	.7	.8	.7	.2	.5	.7	1.6	1.2	1.1	.7	.0	.0	.0	.0	.0	.0
300.	*	1.4	1.4	1.6	1.1	1.0	.9	.7	.2	.3	.6	1.6	1.2	1.2	.6	.0	.0	.0	.0	.0	.0
305.	*	1.4	1.5	1.6	1.1	.9	.8	.7	.1	.2	.7	1.7	1.2	1.3	.6	.0	.0	.0	.0	.0	.0
310.	*	1.5	1.5	1.7	1.1	.9	.7	.7	.0	.2	.5	1.7	1.2	1.2	.7	.0	.0	.0	.0	.0	.0
315.	*	1.6	1.7	1.9	1.2	.9	.7	.6	.0	.2	.6	1.7	1.4	1.0	.8	.0	.0	.0	.0	.0	.0
320.	*	1.7	1.8	2.0	1.1	.7	.6	.6	.0	.1	.4	1.7	1.3	1.0	.8	.0	.1	.1	.0	.0	.0
325.	*	1.7	1.9	2.0	1.0	.7	.6	.6	.0	.0	.2	1.6	1.2	.9	.5	.0	.2	.2	.0	.0	.0
330.	*	1.5	1.6	1.8	.8	.5	.6	.6	.0	.1	.1	1.3	.8	.7	.5	.1	.3	.4	.0	.0	.0
335.	*	1.3	1.4	1.8	.7	.5	.6	.6	.0	.1	.1	1.0	.7	.7	.5	.3	.4	.4	.1	.0	.0
340.	*	1.0	1.6	1.6	.6	.5	.6	.6	.0	.2	.2	.7	.7	.7	.4	.4	.5	.6	.1	.0	.0
345.	*	1.1	1.3	1.6	.5	.5	.6	.6	.0	.1	.2	.6	.4	.4	.6	.4	.7	.6	.2	.1	.0
350.	*	.8	1.2	1.3	.6	.6	.6	.6	.0	.0	.2	.5	.3	.4	.6	.5	.7	.6	.3	.1	.0
355.	*	.5	1.0	1.1	.4	.6	.6	.6	.0	.0	.1	.3	.3	.4	.6	.5	.7	.8	.5	.2	.1
360.	*	.4	.9	1.1	.4	.5	.6	.6	.0	.0	.0	.2	.3	.3	.5	.6	.7	.8	.5	.2	.1
MAX	*	1.7	1.9	2.0	1.5	1.0	.9	.7	1.2	1.2	1.4	2.0	1.7	1.5	1.2	1.3	1.2	1.1	.9	.9	1.0
DEGR.	*	320	325	320	175	300	300	295	225	195	170	170	165	180	170	125	70	45	130	105	95

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JOB: PurpleLine S11-LBRTPM 2030

RUN: PurpleLine S11-LBRTPM 2030

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34
0.	*	.0	.3	.7	1.2	1.4	.9	1.1	1.2	1.0	1.1	1.3	.6	1.1	1.2
5.	*	.1	.4	.8	1.2	1.1	1.0	1.1	1.2	1.0	1.1	1.6	.4	1.2	1.0
10.	*	.2	.6	.8	1.2	.9	1.0	1.2	1.2	1.0	1.2	1.7	.5	1.2	1.0
15.	*	.2	.7	.8	1.2	1.0	1.0	1.2	1.2	1.0	1.2	1.3	.5	1.2	.9
20.	*	.3	.5	.7	1.2	1.0	1.0	1.1	1.1	1.1	1.0	1.3	.5	1.2	1.0
25.	*	.4	.6	.7	1.0	.8	1.1	1.1	1.2	1.0	.9	1.2	.4	.9	.8
30.	*	.3	.6	.8	.9	.8	1.1	1.1	1.2	.9	.9	1.2	.4	.5	.6
35.	*	.4	.6	.8	.8	.7	1.1	1.1	1.2	.7	.9	1.2	.4	.6	.5
40.	*	.3	.7	.7	.8	.9	1.3	1.1	1.2	.8	1.0	1.2	.5	.6	.4
45.	*	.4	.8	.6	.8	.8	1.3	1.2	1.2	.7	1.2	1.2	.6	.4	.3
50.	*	.5	.7	.6	.9	.8	1.3	1.2	1.2	.7	1.2	1.2	.6	.4	.3
55.	*	.4	.7	.6	1.1	.9	1.3	1.3	1.2	.7	1.2	1.2	.6	.3	.4
60.	*	.5	.7	.7	1.0	.9	1.3	1.2	1.2	.7	1.1	1.2	.6	.3	.4
65.	*	.6	.5	.6	.9	1.0	1.3	1.2	1.1	.8	1.1	1.1	.6	.4	.4
70.	*	.6	.5	.6	.8	1.1	1.3	1.2	1.1	.9	1.2	1.1	.6	.4	.5
75.	*	.5	.5	.7	.9	1.1	1.3	1.2	1.0	.8	1.2	1.2	.6	.4	.5
80.	*	.5	.5	.7	.8	1.1	1.1	1.2	1.0	.8	1.1	1.2	.7	.4	.5
85.	*	.6	.5	.6	.8	1.1	1.1	1.1	.9	.9	1.3	1.3	.7	.3	.6
90.	*	.6	.4	.5	.7	1.3	1.1	1.1	.9	1.0	1.3	1.2	.8	.5	.6
95.	*	.7	.4	.5	.6	1.1	1.0	1.1	.8	1.2	1.4	1.3	.6	.4	.7
100.	*	.8	.3	.4	.8	1.1	1.0	1.0	.8	1.2	1.5	1.3	.7	.6	.8
105.	*	.8	.3	.4	.7	1.1	1.1	1.0	.8	1.2	1.5	1.2	.9	.7	.7
110.	*	.8	.2	.4	.6	1.1	1.1	1.0	.8	1.3	1.4	1.1	.8	.7	.5
115.	*	.8	.2	.4	.6	1.1	1.1	1.0	.8	1.3	1.5	1.0	.7	.7	.7
120.	*	.7	.1	.3	.6	1.0	1.1	1.0	1.1	1.3	1.4	1.2	.8	.7	.5
125.	*	.7	.2	.3	.6	1.1	1.2	1.0	1.2	1.3	1.5	1.2	.7	.8	.4
130.	*	.7	.2	.3	.5	1.2	1.3	1.2	1.2	1.4	1.3	1.0	.7	.7	.5
135.	*	.6	.2	.3	.6	1.2	1.3	1.2	1.2	1.4	1.1	1.1	.9	.5	.6
140.	*	.5	.1	.3	.6	1.3	1.2	1.2	1.1	1.0	1.2	1.1	.9	.6	.5
145.	*	.5	.0	.2	.4	1.2	1.1	1.0	1.1	1.1	1.0	1.1	.9	.5	.5
150.	*	.5	.0	.1	.3	1.0	.9	.9	1.0	.9	1.0	1.1	.7	.3	.5
155.	*	.5	.0	.0	.3	.8	.8	.8	.8	.8	.9	1.0	.5	.3	.3
160.	*	.4	.0	.0	.0	.8	.8	.6	.6	.5	.5	.9	.4	.2	.2
165.	*	.4	.0	.0	.0	.5	.5	.5	.5	.2	.4	.5	.4	.2	.2
170.	*	.4	.0	.0	.0	.2	.3	.2	.2	.1	.2	.5	.4	.2	.2
175.	*	.4	.0	.0	.0	.1	.1	.1	.1	.1	.2	.4	.4	.2	.2
180.	*	.5	.0	.0	.0	.1	.1	.1	.1	.1	.2	.4	.4	.1	.1
185.	*	.5	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	.4	.1	.1
190.	*	.5	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.4	.1	.1
195.	*	.5	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.3	.2	.1
200.	*	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.2	.2
205.	*	.5	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.3	.3	.1

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JOB: PurpleLine S11-LBRTPM 2030

RUN: PurpleLine S11-LBRTPM 2030

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34
210.	*	.4	.0	.0	.0	.0	.0	.0	.0	.3	.1	.4	.2	.4	.2
215.	*	.3	.1	.0	.0	.0	.0	.0	.0	.3	.2	.4	.2	.5	.3
220.	*	.2	.1	.0	.0	.0	.0	.0	.0	.4	.2	.5	.3	.6	.5
225.	*	.1	.1	.1	.0	.0	.0	.0	.0	.4	.2	.5	.3	.7	.5
230.	*	.0	.1	.1	.1	.0	.0	.0	.0	.4	.1	.4	.3	.8	.6

235.	*	.0	.1	.1	.1	.1	.0	.0	.0	.6	.1	.4	.2	.9	.6
240.	*	.0	.1	.1	.1	.1	.0	.0	.0	.7	.1	.4	.3	.9	.5
245.	*	.0	.2	.1	.1	.1	.1	.0	.0	.7	.1	.3	.3	.8	.6
250.	*	.0	.2	.1	.1	.2	.1	.0	.0	.7	.1	.3	.3	.6	.7
255.	*	.0	.2	.2	.1	.2	.1	.0	.0	.7	.1	.2	.3	.5	.7
260.	*	.0	.2	.2	.2	.3	.1	.0	.0	.7	.2	.1	.2	.6	.6
265.	*	.0	.2	.2	.2	.3	.1	.0	.0	.6	.3	.1	.2	.7	.6
270.	*	.0	.3	.2	.3	.4	.0	.0	.0	.5	.3	.1	.3	.7	.5
275.	*	.0	.3	.2	.4	.5	.1	.0	.0	.5	.3	.1	.2	.7	.5
280.	*	.0	.1	.3	.4	.7	.1	.0	.0	.5	.3	.1	.2	.7	.4
285.	*	.0	.1	.3	.5	.7	.1	.0	.0	.5	.3	.1	.2	.7	.4
290.	*	.0	.2	.3	.5	.7	.2	.1	.0	.5	.3	.1	.2	.7	.4
295.	*	.0	.2	.4	.6	.7	.2	.1	.0	.6	.3	.1	.3	.7	.4
300.	*	.0	.2	.4	.6	.7	.2	.1	.0	.6	.3	.1	.3	.7	.5
305.	*	.0	.2	.5	.6	.7	.2	.1	.1	.6	.3	.1	.3	.7	.5
310.	*	.0	.2	.5	.6	.7	.2	.2	.2	.6	.3	.1	.3	.7	.5
315.	*	.0	.2	.5	.6	.5	.3	.2	.2	.5	.4	.3	.3	.7	.5
320.	*	.0	.3	.6	.6	.6	.3	.2	.2	.5	.5	.3	.3	.6	.5
325.	*	.0	.3	.6	.6	.7	.4	.3	.2	.5	.6	.4	.3	.6	.6
330.	*	.0	.3	.6	.7	.8	.5	.5	.5	.9	.8	.6	.4	.5	.6
335.	*	.0	.3	.6	.8	1.1	.7	.5	.7	.9	.8	.7	.4	.5	.7
340.	*	.0	.3	.6	.9	1.2	.7	.8	.9	.9	.7	1.1	.6	.5	.8
345.	*	.0	.3	.6	.8	1.1	.8	1.1	.9	.8	.9	1.0	.6	.6	1.0
350.	*	.0	.3	.8	.8	1.3	.9	.9	1.1	.8	1.1	1.3	.6	.7	1.1
355.	*	.0	.3	.8	1.1	1.3	1.0	1.1	1.0	1.1	1.3	1.3	.4	.9	1.1
360.	*	.0	.3	.7	1.2	1.4	.9	1.1	1.2	1.0	1.1	1.3	.6	1.1	1.2
-----*															
MAX	*	.8	.8	.8	1.2	1.4	1.3	1.3	1.2	1.4	1.5	1.7	.9	1.2	1.2
DEGR.	*	100	45	5	0	0	40	55	0	130	100	10	105	5	0

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 320 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 170 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 325 DEGREES FROM REC2 .

PurpleLine S11 HighBRT 2030AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 HighBRT 2030AM	69	1	0
1			
0	ADnbAP	AG	2094. 1673. 1803. 2404. 1510 4.0 0 44 30.
1			
0	ADnbT	AG	1797. 2401. 1636. 2800. 1105 4.0 0 56 30.
2			
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
247	173	2.0	1105 32.1 1695 1 3
1			
0	ADnbR	AG	1815. 2410. 1711. 2675. 155 4.0 0 32 30.
2			
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
247	173	2.0	155 32.1 1583 1 3
1			
0	ADnbR	AG	1711. 2675. 1722. 2740. 155 4.0 0 32 30.
1			
0	ADnbR	AG	1722. 2740. 1789. 2778. 155 4.0 0 32 30.
1			
0	ADnbL	AG	1772. 2400. 1616. 2796. 250 4.0 0 32 30.
2			
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
247	206	2.0	250 32.1 1770 1 3
1			
0	ADnb2	AG	1639. 2803. 1570. 2969. 1205 4.0 0 56 30.
1			
0	ADnbT2	AG	1571. 2968. 1458. 3168. 775 4.0 0 56 30.
2			
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
247	187	2.0	775 32.1 1695 1 3
1			
0	ADnbR2	AG	1592. 2972. 1555. 3064. 430 4.0 0 32 30.
1			
0	ADnbR2	AG	1555. 3064. 1551. 3156. 430 4.0 0 32 30.
1			
0	ADnbR2	AG	1551. 3156. 1615. 3374. 430 4.0 0 32 30.
1			
0	ADnbD	AG	1460. 3169. 1201. 3572. 1065 4.0 0 56 30.
1			
0	ADnbD	AG	1201. 3572. 1110. 3763. 1065 4.0 0 44 30.
1			
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1450 3.1 0 68 30.
1			
0	ADsbT	AG	1177. 3473. 1422. 3106. 1130 3.1 0 56 30.
2			
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
247	154	2.0	1130 32.1 1695 1 3
1			
0	ADsbR	AG	1177. 3439. 1306. 3233. 80 3.1 0 32 30.
2			
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
247	154	2.0	80 32.1 1583 1 3
1			
0	ADsbR	AG	1306. 3233. 1327. 3131. 80 3.1 0 32 30.
1			
0	ADsbR	AG	1327. 3131. 1296. 3001. 80 3.1 0 32 30.
1			
0	ADsbR	AG	1296. 3001. 1249. 2911. 80 3.1 0 32 30.
1			
0	ADsbL	AG	1228. 3446. 1435. 3128. 240 3.1 0 32 30.
2			
0	ADsbLQ	AG	1388. 3200. 1240. 3427. 0. 12 1
247	206	2.0	240 32.1 1770 1 3
1			
0	ADsb2	AG	1422. 3107. 1495. 2999. 1770 3.1 0 56 30.
1			
0	ADsbT2	AG	1483. 2997. 1593. 2797. 1495 3.1 0 44 30.



JOB: PurpleLine S11 HighBRT 2030AM  
 DATE: 10/22/2007 TIME: 14:15:17.49

RUN: PurpleLine S11 HighBRT 2030AM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1510.	4.0	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1105.	4.0	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1790.8	2415.0	*	348.	158. AG	181.	100.0	.0	36.0	.77 17.7
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	155.	4.0	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1767.4	2532.5	*	147.	159. AG	60.	100.0	.0	12.0	.35 7.4
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	155.	4.0	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	155.	4.0	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	4.0	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1763.4	2422.1	*	330.	158. AG	72.	100.0	.0	12.0	.94 16.8
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1205.	4.0	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	775.	4.0	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1642.9	2839.8	*	264.	151. AG	196.	100.0	.0	36.0	.67 13.4
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	430.	4.0	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	430.	4.0	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	430.	4.0	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1065.	4.0	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1065.	4.0	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1450.	3.1	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1130.	3.1	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1196.6	3444.6	*	317.	326. AG	161.	100.0	.0	36.0	.62 16.1
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	80.	3.1	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1267.2	3295.1	*	67.	328. AG	54.	100.0	.0	12.0	.14 3.4
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	80.	3.1	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	80.	3.1	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	80.	3.1	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	240.	3.1	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1221.7	3455.0	*	304.	327. AG	72.	100.0	.0	12.0	.91 15.5
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1770.	3.1	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1495.	3.1	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1240.9	3434.3	*	668.	331. AG	96.	100.0	.0	24.0	.98 33.9
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.1	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1524.9	2964.9	*	127.	331. AG	118.	100.0	.0	24.0	.27 6.4
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1855.	3.1	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1365.	3.1	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1365.	3.1	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	410.	3.1	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	410.	3.1	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	410.	3.1	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1443.5	2752.6	*	141.	263. AG	198.	100.0	.0	36.0	.39 7.1
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	475.	3.1	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	630.	3.1	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	530.	3.8	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1894.0	2799.8	*	196.	93. AG	213.	100.0	.0	36.0	.67 10.0
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	530.	3.8	.0	44.0	

JOB: PurpleLine S11 HighBRT 2030AM  
 DATE: 10/22/2007 TIME: 14:15:17.49

RUN: PurpleLine S11 HighBRT 2030AM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	530.	3.8	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	530.	3.8	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	955.	2.9	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	963.3	2568.4	*	258.	234. AG	69.	100.0	.0	24.0	.48 13.1
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	950.	2.9	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	830.	2.9	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1232.8	2724.9	*	352.	215. AG	108.	100.0	.0	24.0	.66 17.9
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	120.	2.9	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1344.3	2912.7	*	134.	216. AG	71.	100.0	.0	12.0	.43 6.8
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1500.	2.9	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1500.	2.9	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2325.	2.9	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1510.	2.9	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1637.2	3853.7	*	625.	17. AG	93.	100.0	.0	24.0	.96 31.7
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	170.	2.9	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1493.3	3463.2	*	124.	19. AG	46.	100.0	.0	12.0	.24 6.3
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	170.	2.9	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	645.	2.9	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1574.4	3572.9	*	352.	17. AG	132.	100.0	.0	24.0	.86 17.9
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1590.	2.9	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1590.	2.9	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1514.5	3187.0	*	533.	43. AG	69.	100.0	.0	24.0	.98 27.1
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1590.	2.9	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2120.	2.9	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	2120.	2.9	.0	44.0	

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# ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	247	173	2.0	1105	1695	32.10	1	3
5. 0	ADnbRQ	247	173	2.0	155	1583	32.10	1	3
9. 0	ADnbLQ	247	206	2.0	250	1770	32.10	1	3
12. 0	ADnbT2Q	247	187	2.0	775	1695	32.10	1	3
20. 0	ADsbTQ	247	154	2.0	1130	1695	32.10	1	3
22. 0	ADsbRQ	247	154	2.0	80	1583	32.10	1	3
27. 0	ADsbLQ	247	206	2.0	240	1770	32.10	1	3
30. 0	ADsbT2Q	247	137	2.0	1495	1770	32.10	1	3
32. 0	ADsbL2Q	247	169	2.0	275	1717	32.10	1	3
39. 0	CMebTRq	247	189	2.0	410	1583	32.10	1	3
43. 0	CMwbQ	247	204	2.0	530	1672	32.10	1	3
48. 0	193ebLQ	247	99	2.0	955	1717	32.10	1	3
51. 0	193ebT	247	155	2.0	830	1770	32.10	1	3
53. 0	193ebL	247	204	2.0	120	1770	32.10	1	3
58. 0	193wbT	247	133	2.0	1510	1770	32.10	1	3
60. 0	193wbR	247	133	2.0	170	1583	32.10	1	3
63. 0	193wbL	247	189	2.0	645	1717	32.10	1	3
66. 0	193wbQ	247	99	2.0	1590	1394	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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# RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

JOB: PurpleLine S11 HighBRT 2030AM

RUN: PurpleLine S11 HighBRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
0.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.2	.3	.5	.8	1.0	.5	.2	.1
5.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.3	.5	.8	1.0	.5	.2	.1	
10.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.0	.1	.7	.8	1.0	.5	.2	.2

15.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.0	.0	.8	.9	1.0	.5	.2	.2
20.	*	.0	.1	.2	.3	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.8	.9	1.0	.6	.3	.2
25.	*	.0	.1	.2	.3	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.8	.9	1.1	.7	.4	.3
30.	*	.0	.1	.1	.3	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.8	.9	.9	.6	.4	.4
35.	*	.0	.0	.1	.3	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.8	.9	1.0	.6	.4	.4
40.	*	.0	.0	.1	.3	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.8	1.0	1.0	.6	.3	.3
45.	*	.0	.0	.1	.3	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.9	.6	.4	.3
50.	*	.0	.0	.1	.3	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.9	1.1	.9	.4	.3	.3
55.	*	.0	.0	.0	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.0	.3	.3	.4
60.	*	.0	.0	.0	.2	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.0	.3	.3	.4
65.	*	.0	.0	.0	.2	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.0	.2	.3	.6
70.	*	.0	.0	.0	.1	.3	.2	.2	.0	.0	.1	.0	.0	.0	.0	1.0	1.1	.9	.3	.4	.7
75.	*	.0	.0	.0	.2	.2	.2	.2	.0	.1	.1	.0	.0	.0	.0	1.0	1.1	.8	.3	.4	.7
80.	*	.0	.0	.0	.2	.2	.2	.2	.1	.2	.2	.1	.0	.0	.0	1.0	1.1	.8	.3	.4	.8
85.	*	.0	.0	.0	.0	.2	.2	.2	.1	.2	.3	.1	.0	.0	.0	1.0	1.2	.8	.3	.4	.7
90.	*	.0	.0	.0	.0	.1	.1	.1	.1	.3	.4	.2	.0	.0	.0	1.0	1.1	.8	.3	.5	.6
95.	*	.0	.0	.0	.0	.1	.1	.1	.1	.4	.6	.4	.0	.0	.0	1.0	1.1	.6	.4	.5	.5
100.	*	.0	.0	.0	.0	.1	.1	.1	.1	.5	.7	.5	.1	.0	.0	1.0	1.0	.6	.5	.6	.5
105.	*	.0	.0	.0	.0	.1	.1	.1	.2	.6	.8	.5	.1	.0	.0	1.1	1.0	.6	.5	.6	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.2	.8	.9	.6	.1	.0	.0	1.0	1.0	.5	.5	.7	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.2	.8	.9	.6	.2	.1	.0	1.0	.9	.6	.5	.7	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.2	.9	.9	.5	.2	.1	.0	1.0	1.0	.6	.5	.5	.5
125.	*	.0	.0	.0	.0	.0	.0	.0	.2	.8	.9	.5	.2	.1	.1	.8	.8	.6	.4	.6	.5
130.	*	.0	.0	.0	.0	.0	.0	.0	.2	.8	.9	.5	.2	.1	.1	.9	.8	.6	.5	.5	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.1	.8	.9	.4	.2	.1	.1	.8	.7	.6	.6	.5	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.1	.8	.8	.3	.2	.2	.1	.7	.7	.3	.5	.5	.3
145.	*	.1	.0	.1	.0	.0	.0	.0	.1	.8	.8	.4	.4	.2	.2	.5	.5	.5	.5	.4	.3
150.	*	.1	.2	.1	.0	.0	.0	.0	.1	.8	.8	.4	.3	.4	.3	.4	.2	.3	.4	.3	.3
155.	*	.1	.3	.5	.1	.0	.0	.0	.1	.8	.8	.6	.6	.5	.4	.2	.1	.4	.4	.3	.3
160.	*	.3	.5	.6	.2	.0	.0	.0	.1	.7	.8	.6	.9	.7	.6	.1	.0	.3	.3	.3	.3
165.	*	.4	.5	.7	.3	.0	.0	.0	.2	.7	.8	.7	.9	.8	.6	.0	.1	.2	.3	.4	.3
170.	*	.5	.6	.8	.6	.0	.0	.0	.2	.7	.9	.7	1.0	.8	.9	.0	.1	.2	.3	.3	.4
175.	*	.5	.7	.9	.5	.0	.0	.0	.2	.8	1.1	.8	1.0	.9	.9	.0	.0	.2	.3	.3	.4
180.	*	.5	.7	1.1	.7	.1	.0	.0	.3	.9	1.2	.8	.9	1.0	.9	.0	.0	.2	.3	.3	.4
185.	*	.5	.8	1.1	.7	.2	.0	.0	.3	1.0	1.3	.8	.9	.8	1.1	.0	.0	.1	.2	.3	.3
190.	*	.6	.8	1.1	.7	.2	.0	.0	.5	1.0	1.2	.6	.9	1.0	1.0	.0	.0	.0	.2	.3	.3
195.	*	.6	.9	1.0	.7	.2	.0	.0	.5	.9	1.2	.6	.9	1.0	1.0	.0	.0	.0	.1	.2	.3
200.	*	.5	.9	1.0	.7	.2	.1	.0	.6	1.0	1.2	.6	.8	1.0	1.0	.0	.0	.0	.1	.2	.2
205.	*	.6	.9	1.0	.7	.3	.1	.0	.7	1.0	1.2	.6	.8	1.0	.9	.0	.0	.0	.1	.2	.2

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JOB: PurpleLine S11 HighBRT 2030AM

RUN: PurpleLine S11 HighBRT 2030AM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR) *	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.6	.9	1.0	.6	.2	.1	.0	.7	1.0	1.1	.6	1.0	1.2	.8	.0	.0	.0	.0	.2	.2
215.	*	.6	.9	1.0	.6	.2	.1	.1	.8	1.0	1.0	.6	1.1	1.2	.7	.0	.0	.0	.0	.2	.2
220.	*	.6	.9	.9	.6	.2	.1	.1	.8	.9	1.0	.6	.9	1.0	.7	.0	.0	.0	.0	.1	.2
225.	*	.7	.9	.9	.6	.2	.1	.1	.8	.9	.9	.8	1.0	1.0	.7	.0	.0	.0	.0	.0	.0
230.	*	.7	.9	.9	.6	.2	.1	.1	.9	.9	.9	.6	1.0	1.2	.7	.0	.0	.0	.0	.0	.0
235.	*	.7	.8	.9	.6	.2	.1	.1	1.0	1.0	.9	.7	1.1	1.1	.8	.0	.0	.0	.0	.0	.0
240.	*	.8	.9	.9	.6	.2	.1	.1	1.0	1.0	.7	.9	1.2	1.1	.9	.0	.0	.0	.0	.0	.0
245.	*	.8	.9	.9	.6	.1	.1	.1	1.0	1.1	.6	.9	1.1	1.1	.8	.0	.0	.0	.0	.0	.0
250.	*	.8	.9	.9	.6	.1	.1	.1	1.1	1.0	.5	.9	1.2	1.1	.8	.0	.0	.0	.0	.0	.0
255.	*	.8	1.0	.9	.6	.1	.1	.1	1.1	.9	.5	.9	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
260.	*	.8	1.0	.9	.7	.2	.1	.1	1.1	.8	.5	.9	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
265.	*	.8	1.0	.9	.5	.2	.3	.3	1.0	.9	.6	1.1	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
270.	*	.8	1.0	.9	.5	.3	.4	.2	1.0	.7	.5	1.1	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
275.	*	.8	1.0	.9	.5	.2	.4	.3	.8	.5	.6	1.2	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
280.	*	.8	1.0	1.0	.4	.3	.4	.3	.6	.4	.5	1.2	1.1	1.0	.6	.0	.0	.0	.0	.0	.0
285.	*	.8	1.0	1.1	.4	.5	.5	.5	.5	.4	.5	1.2	1.1	1.0	.6	.0	.0	.0	.0	.0	.0
290.	*	.8	1.0	1.1	.4	.5	.7	.5	.4	.4	.6	1.4	1.1	1.0	.6	.0	.0	.0	.0	.0	.0
295.	*	.8	1.0	1.1	.3	.8	.7	.5	.3	.4	.6	1.4	1.0	1.0	.6	.0	.0	.0	.0	.0	.0
300.	*	.9	1.2	1.1	.4	.8	.9	.5	.3	.3	.6	1.5	1.0	1.1	.6	.0	.0	.0	.0	.0	.0
305.	*	1.0	1.2	1.1	.3	.8	.8	.4	.2	.2	.6	1.4	.9	1.0	.6	.0	.0	.0	.0	.0	.0
310.	*	1.1	1.2	1.1	.3	.9	.8	.3	.1	.2	.4	1.3	1.1	.8	.6	.0	.0	.0	.0	.0	.0
315.	*	1.1	1.2	1.1	.6	.9	.7	.3	.0	.2	.4	1.4	1.0	.7	.6	.0	.0	.0	.0	.0	.0
320.	*	1.2	1.4	.9	.6	.8	.5	.2	.0	.1	.4	1.3	1.0	.6	.6	.0	.1	.1	.0	.0	.0
325.	*	1.1	1.2	.7	.5	.8	.5	.2	.0	.0	.1	1.2	.9	.6	.5	.0	.1	.1	.0	.0	.0
330.	*	1.1	.8	.6	.5	.7	.4	.2	.0	.0	.1	1.0	.7	.4	.3	.3	.3	.3	.1	.0	.0
335.	*	.6	.7	.6	.4	.5	.3	.2	.0	.0	.0	.7	.2	.3	.4	.3	.3	.5	.1	.0	.0
340.	*	.7	.6	.4	.3	.5	.2	.1	.0	.0	.0	.6	.3	.3	.4	.4	.4	.6	.1	.0	.0
345.	*	.6	.5	.3	.4	.5	.2	.1	.0	.0	.0	.4	.3	.2	.3	.4	.5	.7	.3	.1	.0
350.	*	.2	.3	.2	.3	.5	.2	.1	.0	.0	.0	.2	.3	.2	.3	.4	.7	.8	.4	.1	.0
355.	*	.2	.1	.1	.3	.5	.1	.1	.0	.0	.0	.1	.1	.2	.3	.4	.7	.9	.5	.1	.1
360.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.2	.3	.5	.8	1.0	.5	.2	.1
MAX	*	1.2	1.4	1.1	.7	.9	.9	.5	1.1	1.1	1.3	1.5	1.2	1.2	1.1	1.1	1.2	1.1	.7	.7	.8
DEGR.	*	320	320	315	180	310	300	285	250	245	185	300	240	210	185	105	85	25	25	110	80

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JOB: PurpleLine S11 HighBRT 2030AM

RUN: PurpleLine S11 HighBRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.3	.9	1.0	.7	.8	1.0
5.	*	.1	.2	.2	.9	.9	.5	.9	.9
10.	*	.1	.2	.3	1.0	.6	.5	.9	1.0
15.	*	.1	.2	.4	1.0	.5	.6	.9	1.0
20.	*	.1	.2	.4	1.0	.5	.7	.8	1.0
25.	*	.1	.2	.5	1.0	.5	.7	.8	1.0
30.	*	.2	.2	.6	1.0	.4	.7	.8	.9
35.	*	.2	.2	.7	.9	.3	.7	.8	.9
40.	*	.3	.2	.6	.7	.5	.9	.8	.9
45.	*	.3	.2	.5	.6	.4	.9	.8	.8
50.	*	.4	.2	.6	.6	.4	.9	.8	.8
55.	*	.3	.3	.6	.7	.5	.9	.9	.8
60.	*	.5	.3	.7	.6	.5	.9	.8	.8
65.	*	.5	.4	.5	.5	.5	.8	.8	.7
70.	*	.5	.3	.5	.5	.5	.8	.8	.7
75.	*	.5	.3	.4	.4	.6	.8	.8	.7
80.	*	.5	.3	.4	.4	.6	.7	.8	.7
85.	*	.5	.3	.4	.4	.6	.7	.8	.7
90.	*	.5	.2	.4	.4	.5	.7	.8	.7
95.	*	.5	.1	.3	.3	.6	.7	.8	.7
100.	*	.5	.1	.2	.4	.5	.7	.8	.7
105.	*	.5	.1	.2	.5	.6	.8	.8	.7
110.	*	.6	.1	.2	.5	.7	.9	.8	.7
115.	*	.6	.1	.2	.5	.7	.9	.8	.7
120.	*	.6	.1	.2	.5	.7	.9	.9	.8
125.	*	.5	.1	.2	.5	.9	1.0	.9	.8
130.	*	.4	.0	.2	.4	.9	.9	.8	.9
135.	*	.4	.0	.2	.2	.9	.8	.8	.8
140.	*	.4	.0	.1	.2	.8	.8	.9	.8
145.	*	.4	.0	.0	.2	.8	.9	.8	.6
150.	*	.4	.0	.0	.1	.7	.8	.8	.6
155.	*	.4	.0	.0	.1	.7	.7	.6	.4
160.	*	.4	.0	.0	.0	.5	.5	.5	.4
165.	*	.3	.0	.0	.0	.3	.3	.2	.2
170.	*	.3	.0	.0	.0	.1	.2	.2	.2
175.	*	.3	.0	.0	.0	.1	.1	.1	.1
180.	*	.3	.0	.0	.0	.1	.1	.1	.1
185.	*	.2	.0	.0	.0	.0	.1	.1	.1
190.	*	.3	.0	.0	.0	.0	.0	.0	.0
195.	*	.3	.0	.0	.0	.0	.0	.0	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S11 HighBRT 2030AM

RUN: PurpleLine S11 HighBRT 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.1	.0	.0	.0
255.	*	.0	.0	.0	.0	.1	.0	.0	.0
260.	*	.0	.1	.0	.1	.2	.0	.0	.0
265.	*	.0	.1	.0	.1	.3	.0	.0	.0
270.	*	.0	.1	.0	.1	.4	.0	.0	.0
275.	*	.0	.0	.0	.2	.5	.0	.0	.0
280.	*	.0	.0	.1	.4	.7	.1	.0	.0
285.	*	.0	.1	.1	.4	.7	.1	.0	.0
290.	*	.0	.1	.1	.5	.7	.1	.0	.0
295.	*	.0	.1	.1	.5	.7	.2	.0	.0
300.	*	.0	.1	.1	.6	.7	.3	.1	.0
305.	*	.0	.1	.1	.6	.7	.3	.1	.0
310.	*	.0	.1	.1	.6	.7	.3	.2	.2
315.	*	.0	.1	.1	.6	.6	.3	.2	.2
320.	*	.0	.1	.1	.6	.6	.4	.2	.2
325.	*	.0	.1	.1	.6	.6	.4	.3	.2
330.	*	.0	.1	.1	.6	.9	.5	.5	.4
335.	*	.0	.1	.1	.8	1.1	.6	.5	.6
340.	*	.0	.1	.1	.8	.9	.7	.6	.8
345.	*	.0	.1	.3	.7	1.0	.8	.8	.8
350.	*	.0	.2	.3	.6	.9	.8	.8	.8
355.	*	.0	.3	.2	.7	.9	.6	.8	.9
360.	*	.0	.4	.3	.9	1.0	.7	.8	1.0
MAX	*	.6	.4	.7	1.0	1.1	1.0	.9	1.0
DEGR.	*	110	0	35	10	335	125	5	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 185 DEGREES FROM REC10.



PurpleLine S11 HighBRT 2030PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 HighBRT 2030PM	69	1	0
1			
0	ADnbAP	AG	2094. 1673. 1803. 2404. 2265 5.4 0 44 30.
1			
0	ADnbT	AG	1797. 2401. 1636. 2800. 1765 5.4 0 56 30.
2			
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
248	158	2.0	1765 32.1 1695 1 3
1			
0	ADnbR	AG	1815. 2410. 1711. 2675. 250 5.4 0 32 30.
2			
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
248	158	2.0	250 32.1 1583 1 3
1			
0	ADnbR	AG	1711. 2675. 1722. 2740. 250 5.4 0 32 30.
1			
0	ADnbR	AG	1722. 2740. 1789. 2778. 250 5.4 0 32 30.
1			
0	ADnbL	AG	1772. 2400. 1616. 2796. 250 5.4 0 32 30.
2			
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
248	214	2.0	250 32.1 1770 1 3
1			
0	ADnb2	AG	1639. 2803. 1570. 2969. 2210 5.4 0 56 30.
1			
0	ADnbT2	AG	1571. 2968. 1458. 3168. 1465 5.4 0 56 30.
2			
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
248	172	2.0	1465 32.1 1695 1 3
1			
0	ADnbR2	AG	1592. 2972. 1555. 3064. 745 5.4 0 32 30.
1			
0	ADnbR2	AG	1555. 3064. 1551. 3156. 745 5.4 0 32 30.
1			
0	ADnbR2	AG	1551. 3156. 1615. 3374. 745 5.4 0 32 30.
1			
0	ADnbD	AG	1460. 3169. 1201. 3572. 1955 5.4 0 56 30.
1			
0	ADnbD	AG	1201. 3572. 1110. 3763. 1955 5.4 0 44 30.
1			
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1435 3.0 0 68 30.
1			
0	ADsbT	AG	1177. 3473. 1422. 3106. 1105 3.0 0 56 30.
2			
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
248	146	2.0	1105 32.1 1695 1 3
1			
0	ADsbR	AG	1177. 3439. 1306. 3233. 195 3.0 0 32 30.
2			
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
248	146	2.0	195 32.1 1583 1 3
1			
0	ADsbR	AG	1306. 3233. 1327. 3131. 195 3.0 0 32 30.
1			
0	ADsbR	AG	1327. 3131. 1296. 3001. 195 3.0 0 32 30.
1			
0	ADsbR	AG	1296. 3001. 1249. 2911. 195 3.0 0 32 30.
1			
0	ADsbL	AG	1228. 3446. 1435. 3128. 135 3.0 0 32 30.
2			
0	ADsbLQ	AG	1388. 3200. 1240. 3427. 0. 12 1
248	214	2.0	135 32.1 1770 1 3
1			
0	ADsb2	AG	1422. 3107. 1495. 2999. 1570 3.0 0 56 30.
1			
0	ADsbT2	AG	1483. 2997. 1593. 2797. 1295 3.0 0 44 30.

0	2	ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		248	145	2.0	1295	32.1	1770	1 3					
0	1	ADsbL2	AG	1504.	3003.	1610.	2810.		275	3.0	0	44	30.
0	2	ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		248	200	2.0	275	32.1	1717	1 3					
0	1	ADsbD	AG	1595.	2795.	1972.	1867.		1885	3.0	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		2355	3.7	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		2355	3.7	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		610	3.7	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		610	3.7	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		610	3.7	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		248	194	2.0	610	32.1	1739	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		520	3.7	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		770	3.7	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		1235	3.7	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		248	185	2.0	1235	32.1	1691	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		815	3.7	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		815	3.7	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		815	3.7	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1745	2.9	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		248	108	2.0	1745	32.1	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1745	2.9	0	44	30.
0	2	193ebTR	AG	1337.	2871.	1473.	3064.		1620	2.9	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		248	141	2.0	1620	32.1	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		125	2.9	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		248	185	2.0	125	32.1	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2500	2.9	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2500	2.9	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2050	2.9	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1215	2.9	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		248	162	2.0	1215	32.1	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		365	2.9	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		248	162	2.0	365	32.1	1583	1 3					
0	1	193wbR	AG	1									

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# SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	* 2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	2265.	5.4	.0	44.0	
2. 0	ADnbT	* 1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1765.	5.4	.0	56.0	
3. 0	ADnbTQ	* 1661.0	2738.0	1897.5	2149.6	*	634.	158. AG	165.	100.0	.0	36.0	1.00 32.2
4. 0	ADnbR	* 1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	250.	5.4	.0	32.0	
5. 0	ADnbRQ	* 1714.0	2669.0	1792.7	2467.9	*	216.	159. AG	55.	100.0	.0	12.0	.46 11.0
6. 0	ADnbR	* 1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	250.	5.4	.0	32.0	
7. 0	ADnbR	* 1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	250.	5.4	.0	32.0	
8. 0	ADnbL	* 1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	5.4	.0	32.0	
9. 0	ADnbLQ	* 1642.0	2729.0	1910.2	2050.9	*	729.	158. AG	74.	100.0	.0	12.0	1.17 37.0
10. 0	ADnb2	* 1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	2210.	5.4	.0	56.0	
11. 0	ADnbT2	* 1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1465.	5.4	.0	56.0	
12. 0	ADnbT2Q	* 1514.0	3070.0	1786.0	2584.2	*	557.	151. AG	179.	100.0	.0	36.0	.99 28.3
13. 0	ADnbR2	* 1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	745.	5.4	.0	32.0	
14. 0	ADnbR2	* 1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	745.	5.4	.0	32.0	
15. 0	ADnbR2	* 1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	745.	5.4	.0	32.0	
16. 0	ADnbD	* 1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1955.	5.4	.0	56.0	
17. 0	ADnbD	* 1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1955.	5.4	.0	44.0	
18. 0	ADsbAP	* 1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1435.	3.0	.0	68.0	
19. 0	ADsbT	* 1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1105.	3.0	.0	56.0	
20. 0	ADsbTQ	* 1372.0	3181.0	1209.3	3425.6	*	294.	326. AG	152.	100.0	.0	36.0	.55 14.9
21. 0	ADsbR	* 1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	195.	3.0	.0	32.0	
22. 0	ADsbRQ	* 1303.0	3238.0	1220.3	3369.9	*	156.	328. AG	51.	100.0	.0	12.0	.31 7.9
23. 0	ADsbR	* 1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	195.	3.0	.0	32.0	
24. 0	ADsbR	* 1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	195.	3.0	.0	32.0	
25. 0	ADsbR	* 1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	195.	3.0	.0	32.0	
26. 0	ADsbL	* 1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	135.	3.0	.0	32.0	
27. 0	ADsbLQ	* 1388.0	3200.0	1301.7	3332.3	*	158.	327. AG	74.	100.0	.0	12.0	.63 8.0
28. 0	ADsb2	* 1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1570.	3.0	.0	56.0	
29. 0	ADsbT2	* 1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1295.	3.0	.0	44.0	
30. 0	ADsbT2Q	* 1564.0	2850.0	1297.3	3332.3	*	551.	331. AG	101.	100.0	.0	24.0	.92 28.0
31. 0	ADsbL2	* 1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.0	.0	44.0	
32. 0	ADsbL2Q	* 1586.0	2854.0	1513.6	2985.2	*	150.	331. AG	139.	100.0	.0	24.0	.45 7.6
33. 0	ADsbD	* 1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1885.	3.0	.0	44.0	
34. 0	193ebAP	* 683.0	2476.0	956.0	2578.0	*	291.	70. AG	2355.	3.7	.0	44.0	
35. 0	193ebAP	* 956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2355.	3.7	.0	44.0	
36. 0	CMebTR	* 1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	610.	3.7	.0	56.0	
37. 0	CMebTR	* 1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	610.	3.7	.0	56.0	
38. 0	CMebTR	* 1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	610.	3.7	.0	56.0	
39. 0	CMebTRq	* 1583.0	2770.0	1369.3	2743.3	*	215.	263. AG	202.	100.0	.0	36.0	.58 10.9
40. 0	CMebD1	* 1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	520.	3.7	.0	44.0	
41. 0	CMebD2	* 1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	770.	3.7	.0	44.0	
42. 0	CMwbAP	* 2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1235.	3.7	.0	56.0	
43. 0	CMwbQ	* 1698.0	2811.0	2299.7	2776.7	*	603.	93. AG	193.	100.0	.0	36.0	1.02 30.6
44. 0	CMwbD	* 1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	815.	3.7	.0	44.0	

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## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	* 1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	815.	3.7	.0	44.0	
46. 0	CMwbD	* 1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	815.	3.7	.0	44.0	
47. 0	193ebL	* 1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1745.	2.9	.0	44.0	
48. 0	193ebLQ	* 1173.0	2719.0	721.3	2394.6	*	556.	234. AG	75.	100.0	.0	24.0	.93 28.3
49. 0	193ebAP	* 1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1745.	2.9	.0	44.0	
50. 0	193ebTR	* 1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1620.	2.9	.0	44.0	
51. 0	193ebT	* 1436.0	3012.0	565.8	1783.0	*	1506.	215. AG	98.	100.0	.0	24.0	1.10 76.5
52. 0	193ebL	* 1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	125.	2.9	.0	32.0	
53. 0	193ebL	* 1423.0	3021.0	1348.6	2918.7	*	126.	216. AG	64.	100.0	.0	12.0	.30 6.4
54. 0	193ebD	* 1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2500.	2.9	.0	44.0	
55. 0	193ebD	* 1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2500.	2.9	.0	44.0	
56. 0	193wbA	* 1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	2.9	.0	68.0	
57. 0	193wbT	* 1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1215.	2.9	.0	44.0	
58. 0	193wbT	* 1455.0	3256.0	1710.0	4092.5	*	874.	17. AG	112.	100.0	.0	24.0	1.04 44.4
59. 0	193wbR	* 1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	365.	2.9	.0	32.0	
60. 0	193wbR	* 1454.0	3346.0	1556.7	3652.6	*	323.	19. AG	56.	100.0	.0	12.0	.70 16.4
61. 0	193wbR	* 1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	365.	2.9	.0	32.0	
62. 0	193wbL	* 1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	470.	2.9	.0	44.0	
63. 0	193wbL	* 1472.0	3236.0	1634.2	3769.7	*	558.	17. AG	148.	100.0	.0	24.0	1.10 28.3
64. 0	193wbD	* 1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1405.	2.9	.0	44.0	
65. 0	193wbD	* 1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1405.	2.9	.0	44.0	
66. 0	193wbQ	* 1154.0	2794.0	1458.6	3126.0	*	451.	43. AG	75.	100.0	.0	24.0	.92 22.9
67. 0	193wbD1	* 1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1405.	2.9	.0	44.0	
68. 0	193wbD1	* 1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2220.	2.9	.0	44.0	
69. 0	193wbD1	* 850.0	2582.0	673.0	2513.0	*	190.	249. AG	2220.	2.9	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	248	158	2.0	1765	1695	32.10	1	3
5. 0	ADnbRQ	248	158	2.0	250	1583	32.10	1	3
9. 0	ADnbLQ	248	214	2.0	250	1770	32.10	1	3
12. 0	ADnbT2Q	248	172	2.0	1465	1695	32.10	1	3
20. 0	ADsbTQ	248	146	2.0	1105	1695	32.10	1	3
22. 0	ADsbRQ	248	146	2.0	195	1583	32.10	1	3
27. 0	ADsbLQ	248	214	2.0	135	1770	32.10	1	3
30. 0	ADsbT2Q	248	145	2.0	1295	1770	32.10	1	3
32. 0	ADsbL2Q	248	200	2.0	275	1717	32.10	1	3
39. 0	CMebTRq	248	194	2.0	610	1739	32.10	1	3
43. 0	CMwbQ	248	185	2.0	1235	1691	32.10	1	3
48. 0	193ebLQ	248	108	2.0	1745	1717	32.10	1	3
51. 0	193ebT	248	141	2.0	1620	1770	32.10	1	3
53. 0	193ebL	248	185	2.0	125	1770	32.10	1	3
58. 0	193wbT	248	162	2.0	1215	1770	32.10	1	3
60. 0	193wbR	248	162	2.0	365	1583	32.10	1	3
63. 0	193wbL	248	213	2.0	470	1717	32.10	1	3
66. 0	193wbQ	248	108	2.0	1405	1394	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
28. SW MID S	*	1686.0	2517.0	5.0	*

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.2	.6	1.1	.4	.6	.6	.6	.0	.0	.0	.1	.3	.3	.5	.6	.7	.8	.5	.2	.1
5. *	.2	.5	1.1	.4	.6	.6	.6	.0	.0	.0	.1	.0	.3	.5	.5	.7	1.0	.5	.2	.2
10. *	.2	.5	1.0	.4	.6	.6	.6	.0	.0	.0	.1	.0	.1	.4	.5	.8	1.0	.5	.3	.2

15. \* .1 .4 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .1 .6 .8 1.0 .7 .4 .2  
20. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .1 .6 .7 1.0 .8 .5 .5  
25. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 .7 1.0 .7 .5 .5  
30. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 .8 1.0 .7 .5 .5  
35. \* .1 .2 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 1.0 1.0 .7 .6 .5  
40. \* .1 .2 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .7 .6 .4  
45. \* .1 .1 .8 .4 .6 .6 .7 .0 .0 .0 .0 .0 .0 .9 1.0 1.1 .7 .3 .3  
50. \* .1 .1 .8 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .7 .3 .3  
55. \* .1 .1 .9 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .4 .3 .4  
60. \* .1 .1 .9 .5 .7 .7 .7 .1 .0 .0 .0 .0 .0 .9 1.1 1.1 .2 .4 .4  
65. \* .0 .1 .9 .5 .7 .7 .7 .2 .0 .0 .0 .0 .0 .1 1.0 1.1 .3 .4 .5  
70. \* .0 .1 .7 .5 .7 .7 .7 .2 .2 .2 .0 .0 .0 .1 1.0 1.2 1.1 .3 .4 .7  
75. \* .0 .0 .7 .5 .8 .9 .8 .3 .2 .2 .1 .0 .0 .0 .9 1.2 1.0 .4 .5 .8  
80. \* .0 .0 .7 .5 .7 .7 .7 .4 .3 .3 .1 .0 .0 .0 .9 1.2 .9 .4 .5 .7  
85. \* .0 .0 .6 .4 .7 .7 .6 .6 .6 .3 .0 .0 .0 .0 .9 1.2 .9 .5 .5 .7  
90. \* .0 .0 .6 .4 .6 .6 .5 .8 .7 .7 .4 .1 .0 .0 .9 1.2 .8 .5 .6 .9  
95. \* .0 .0 .7 .1 .4 .4 .4 1.2 .9 1.0 .5 .1 .0 .0 .1 1.1 .7 .5 .7 1.0  
100. \* .0 .0 .7 .1 .3 .3 .3 1.3 1.1 1.2 .7 .3 .1 .0 .1 1.2 1.1 .7 .5 .8 .7  
105. \* .0 .0 .7 .0 .2 .2 .2 1.3 1.2 1.3 .7 .3 .1 .0 .1 1.2 1.0 .8 .7 .9 .6  
110. \* .0 .0 .7 .0 .1 .1 .1 1.4 1.2 1.2 .8 .4 .1 .1 1.2 1.0 .8 .7 1.0 .7  
115. \* .0 .0 .8 .0 .0 .0 .0 1.2 1.1 1.1 .8 .4 .3 .1 1.0 1.1 .8 .7 1.0 .8  
120. \* .0 .0 .8 .0 .0 .0 .0 1.2 1.1 1.1 .8 .4 .3 .1 1.2 1.2 .7 .8 .6 .7  
125. \* .0 .0 .8 .0 .0 .0 .0 1.1 1.1 1.1 .7 .4 .3 .1 1.3 1.1 .7 .8 .7 .7  
130. \* .0 .0 .8 .0 .0 .0 .0 1.1 1.0 .9 .7 .4 .3 .1 1.3 1.0 .7 .9 .8 .6  
135. \* .0 .0 .7 .0 .0 .0 .0 1.1 1.0 .9 .7 .4 .4 .1 .9 .9 .8 .6 .7 .7  
140. \* .1 .0 .7 .1 .0 .0 .0 1.0 1.0 .9 .7 .5 .2 .2 .8 .8 .5 .7 .5 .7  
145. \* .2 .2 1.0 .1 .0 .0 .0 1.0 .9 .8 1.0 .7 .5 .2 .7 .6 .4 .6 .5 .6  
150. \* .3 .4 1.2 .4 .0 .0 .0 1.0 .9 .8 1.3 .9 .7 .5 .6 .4 .5 .5 .4 .6  
155. \* .6 .6 1.2 .5 .0 .0 .0 .9 .8 1.0 1.6 1.3 1.1 .8 .3 .1 .5 .4 .4 .5  
160. \* .9 1.1 1.6 .7 .1 .0 .0 .8 .8 1.0 1.9 1.7 1.4 .9 .0 .0 .3 .4 .4 .5  
165. \* 1.1 1.2 1.6 1.0 .1 .0 .0 .8 1.0 1.2 1.9 1.7 1.5 1.1 .0 .1 .3 .4 .2 .5  
170. \* 1.3 1.3 1.7 1.3 .2 .1 .0 .9 1.0 1.5 2.0 1.6 1.4 1.2 .0 .1 .2 .4 .3 .5  
175. \* 1.3 1.4 1.7 1.4 .2 .1 .1 1.0 1.0 1.5 1.9 1.7 1.5 1.2 .1 .1 .2 .3 .3 .5  
180. \* 1.3 1.4 1.6 1.4 .2 .2 .1 1.0 1.3 1.6 1.7 1.5 1.6 1.0 .1 .1 .2 .3 .3 .4  
185. \* 1.2 1.4 1.5 1.4 .4 .2 .1 1.0 1.5 1.6 1.6 1.3 1.2 1.0 .1 .1 .2 .2 .3 .4  
190. \* 1.2 1.3 1.4 1.4 .6 .2 .2 1.0 1.4 1.6 1.6 1.3 1.2 1.1 .1 .1 .2 .2 .3 .4  
195. \* 1.1 1.3 1.4 1.3 .6 .2 .2 .9 1.2 1.6 1.4 1.2 1.3 1.1 .0 .1 .1 .2 .3 .4  
200. \* 1.2 1.3 1.4 1.3 .5 .1 .2 1.1 1.3 1.6 1.3 1.1 1.4 1.1 .0 .1 .1 .2 .3 .4  
205. \* 1.2 1.3 1.3 1.2 .5 .2 .2 1.1 1.2 1.4 1.2 1.1 1.5 1.0 .0 .0 .1 .2 .3 .4

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JOB: PurpleLine S11 HighBRT 2030PM RUN: PurpleLine S11 HighBRT 2030PM PAGE 6

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* 1.0 1.2 1.3 1.2 .5 .2 .1 1.2 1.1 1.2 1.2 1.2 1.5 1.1 .0 .0 .0 .1 .3 .4  
215. \* 1.0 1.2 1.3 1.2 .5 .3 .1 1.2 1.2 1.3 1.3 1.2 1.4 1.1 .0 .0 .0 .0 .4 .4  
220. \* .9 1.1 1.2 1.2 .5 .3 .1 1.3 1.2 1.3 1.4 1.2 1.4 1.0 .0 .0 .0 .0 .1 .3  
225. \* .9 1.1 1.1 1.2 .5 .3 .2 1.3 1.3 1.3 1.3 1.4 1.4 1.1 .0 .0 .0 .0 .0 .0  
230. \* .9 1.1 1.0 1.2 .4 .3 .2 1.3 1.3 1.3 1.3 1.5 1.3 1.1 .0 .0 .0 .0 .0 .0  
235. \* .9 1.1 1.0 1.2 .4 .3 .3 1.4 1.3 1.3 1.4 1.4 1.3 1.1 .0 .0 .0 .0 .0 .0  
240. \* .9 1.1 1.0 1.2 .4 .3 .3 1.4 1.4 1.2 1.4 1.4 1.3 1.2 .0 .0 .0 .0 .0 .0  
245. \* 1.1 1.1 1.0 1.2 .4 .3 .3 1.3 1.4 1.4 1.3 1.4 1.4 1.2 .0 .0 .0 .0 .0 .0  
250. \* 1.1 1.1 1.1 1.2 .4 .3 .3 1.4 1.3 1.3 1.5 1.3 1.1 1.1 .0 .0 .0 .0 .0 .0  
255. \* 1.0 1.1 1.1 1.2 .5 .3 .3 1.4 1.2 1.3 1.5 1.3 1.1 1.0 .0 .0 .0 .0 .0 .0  
260. \* 1.0 1.1 1.1 1.2 .5 .4 .5 1.2 1.2 1.1 1.5 1.3 1.1 .9 .0 .0 .0 .0 .0 .0  
265. \* 1.0 1.1 1.1 1.1 .5 .6 .6 1.2 1.1 1.0 1.4 1.3 1.2 .9 .0 .0 .0 .0 .0 .0  
270. \* 1.0 1.1 1.1 1.2 .7 .6 .6 1.2 1.0 1.0 1.3 1.3 1.3 .8 .0 .0 .0 .0 .0 .0  
275. \* 1.0 1.1 1.1 1.2 .7 .8 .6 1.0 .9 .9 1.3 1.3 1.0 .7 .0 .0 .0 .0 .0 .0  
280. \* 1.1 1.2 1.2 1.1 .7 .7 .7 .8 .7 .8 1.6 1.4 1.2 .7 .0 .0 .0 .0 .0 .0  
285. \* 1.1 1.2 1.4 1.1 .8 .8 .7 .6 .7 .8 1.6 1.4 1.2 .7 .0 .0 .0 .0 .0 .0  
290. \* 1.3 1.4 1.5 1.0 .8 .9 .7 .6 .7 .8 1.5 1.2 1.3 .6 .0 .0 .0 .0 .0 .0  
295. \* 1.3 1.4 1.5 .9 .9 .8 .8 .4 .6 .7 1.6 1.2 1.3 .7 .0 .0 .0 .0 .0 .0  
300. \* 1.4 1.4 1.6 1.1 1.1 .9 .8 .4 .4 .7 1.6 1.2 1.2 .7 .0 .0 .0 .0 .0 .0  
305. \* 1.4 1.5 1.6 1.1 1.0 .9 .8 .2 .2 .6 1.6 1.2 1.2 .6 .0 .0 .0 .0 .0 .0  
310. \* 1.5 1.5 1.7 1.1 1.0 .8 .7 .1 .2 .7 1.7 1.3 1.2 .7 .0 .0 .0 .0 .0 .0  
315. \* 1.6 1.7 1.9 1.2 .9 .8 .7 .0 .2 .6 1.7 1.3 1.2 .8 .0 .0 .0 .0 .0 .0  
320. \* 1.6 1.8 2.0 1.1 .7 .6 .7 .0 .1 .6 1.7 1.3 1.0 .7 .0 .1 .1 .0 .0 .0  
325. \* 1.7 1.8 2.0 1.0 .7 .6 .6 .0 .0 .3 1.6 1.2 1.0 .7 .0 .2 .2 .0 .0 .0  
330. \* 1.5 1.5 1.8 .8 .6 .6 .6 .0 .1 .1 1.3 .7 .7 .6 .1 .3 .4 .0 .0 .0  
335. \* 1.2 1.3 1.8 .7 .6 .6 .6 .0 .1 .1 1.0 .7 .7 .6 .3 .4 .4 .1 .0 .0  
340. \* .9 1.5 1.6 .6 .6 .6 .6 .0 .1 .1 .7 .6 .6 .5 .4 .5 .6 .1 .0 .0  
345. \* 1.0 1.1 1.6 .5 .6 .6 .6 .0 .0 .2 .6 .4 .4 .5 .4 .7 .6 .2 .1 .0  
350. \* .7 .9 1.3 .5 .6 .6 .6 .0 .0 .2 .5 .3 .4 .6 .5 .7 .6 .3 .1 .0  
355. \* .4 .8 1.1 .4 .6 .6 .6 .0 .0 .0 .3 .4 .6 .5 .7 .8 .5 .2 .1 .1  
360. \* .2 .6 1.1 .4 .6 .6 .6 .0 .0 .0 .1 .3 .3 .5 .6 .7 .8 .5 .2 .1 .1

MAX \* 1.7 1.8 2.0 1.4 1.1 .9 .8 1.4 1.5 1.6 2.0 1.7 1.6 1.2 1.3 1.2 1.1 .9 1.0 1.0  
DEGR. \* 325 325 320 175 300 75 75 235 185 180 170 160 180 240 125 70 45 130 110 95

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MODEL RESULTS  
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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.  
WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.3	.8	1.2	1.4	.7	1.1	1.2
5.	*	.1	.4	.9	1.2	1.1	.7	1.1	1.2
10.	*	.2	.6	1.0	1.2	1.0	.9	1.2	1.2
15.	*	.2	.6	.9	1.2	.9	1.1	1.2	1.2
20.	*	.3	.6	.9	1.3	.9	1.2	1.1	1.1
25.	*	.4	.5	.9	1.3	1.0	1.0	1.1	1.2
30.	*	.3	.6	1.0	1.1	.9	1.1	1.1	1.2
35.	*	.4	.6	1.0	1.1	.8	1.1	1.1	1.2
40.	*	.3	.8	1.0	1.0	.9	1.2	1.2	1.2
45.	*	.4	.8	.9	.9	.9	1.3	1.2	1.1
50.	*	.5	.7	.8	1.0	1.0	1.3	1.2	1.1
55.	*	.4	.7	.7	1.1	.9	1.3	1.2	1.1
60.	*	.5	.7	.9	1.2	.9	1.3	1.3	1.1
65.	*	.6	.7	.9	1.2	1.0	1.3	1.2	1.1
70.	*	.6	.7	.7	1.1	1.0	1.3	1.2	1.0
75.	*	.5	.7	.8	1.0	1.0	1.3	1.2	.9
80.	*	.5	.5	.7	.9	1.1	1.3	1.2	.9
85.	*	.6	.5	.8	.9	1.1	1.1	1.1	.9
90.	*	.6	.5	.6	.9	1.1	1.1	1.0	.9
95.	*	.7	.4	.6	.6	1.2	1.0	1.0	.9
100.	*	.8	.3	.4	.6	1.1	1.0	1.0	.8
105.	*	.8	.3	.4	.6	1.0	1.0	1.0	.8
110.	*	.8	.2	.4	.6	1.1	1.1	.9	.8
115.	*	.8	.2	.3	.6	1.0	1.1	.9	.8
120.	*	.7	.1	.3	.6	1.0	1.0	1.1	1.0
125.	*	.7	.1	.3	.6	1.1	1.2	1.0	1.2
130.	*	.7	.2	.3	.5	1.2	1.3	1.2	1.2
135.	*	.6	.2	.3	.6	1.1	1.2	1.2	1.2
140.	*	.5	.1	.3	.6	1.3	1.2	1.2	1.1
145.	*	.5	.0	.2	.4	1.0	1.1	1.0	1.1
150.	*	.5	.0	.1	.3	1.0	.9	.9	1.0
155.	*	.5	.0	.0	.3	.8	.8	.8	.8
160.	*	.4	.0	.0	.0	.8	.8	.8	.6
165.	*	.4	.0	.0	.0	.5	.5	.5	.5
170.	*	.4	.0	.0	.0	.2	.3	.3	.2
175.	*	.4	.0	.0	.0	.1	.1	.1	.1
180.	*	.5	.0	.0	.0	.1	.1	.1	.1
185.	*	.5	.0	.0	.0	.0	.1	.1	.1
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.5	.0	.0	.0	.0	.0	.0	.0
200.	*	.5	.0	.0	.0	.0	.0	.0	.0
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S11 HighBRT 2030PM

RUN: PurpleLine S11 HighBRT 2030PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.1	.0	.0	.0	.0	.0	.0
220.	*	.2	.1	.1	.0	.0	.0	.0	.0
225.	*	.1	.1	.1	.1	.0	.0	.0	.0
230.	*	.0	.1	.1	.1	.1	.0	.0	.0
235.	*	.0	.1	.1	.1	.1	.0	.0	.0
240.	*	.0	.1	.1	.1	.1	.1	.0	.0
245.	*	.0	.2	.1	.1	.2	.1	.0	.0
250.	*	.0	.2	.2	.2	.2	.1	.0	.0
255.	*	.0	.2	.3	.2	.3	.1	.0	.0
260.	*	.0	.2	.3	.3	.4	.1	.0	.0
265.	*	.0	.4	.3	.5	.6	.1	.0	.0
270.	*	.0	.4	.2	.5	.7	.1	.0	.0
275.	*	.0	.4	.3	.6	.8	.2	.0	.0
280.	*	.0	.2	.3	.7	.9	.1	.0	.0
285.	*	.0	.2	.4	.7	.9	.2	.0	.0
290.	*	.0	.2	.4	.7	.9	.2	.1	.0
295.	*	.0	.2	.5	.7	.9	.2	.1	.0
300.	*	.0	.2	.5	.7	.8	.2	.1	.1
305.	*	.0	.2	.6	.8	.8	.3	.1	.1
310.	*	.0	.3	.6	.8	.9	.3	.3	.2
315.	*	.0	.3	.7	.8	.7	.3	.3	.2
320.	*	.0	.3	.7	.8	.8	.4	.2	.2
325.	*	.0	.4	.7	.8	.9	.4	.3	.2
330.	*	.0	.4	.7	.7	.9	.5	.5	.5
335.	*	.0	.4	.7	.8	1.2	.7	.5	.7
340.	*	.0	.3	.7	.9	1.3	.7	.9	.9
345.	*	.0	.3	.8	.8	1.3	.8	1.2	1.0
350.	*	.0	.3	.9	.8	1.2	.9	1.0	1.1
355.	*	.0	.3	.9	1.0	1.4	.8	1.0	1.1
360.	*	.0	.3	.8	1.2	1.4	.7	1.1	1.2
MAX	*	.8	.8	1.0	1.3	1.4	1.3	1.3	1.2
DEGR.	*	100	40	10	20	0	45	60	0

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 320 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 170 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 325 DEGREES FROM REC2 .

PurpleLine S11 Low LRT 2030AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 Low LRT 2030AM	69	1	0
1			
0	ADnbAP	AG	2094. 1673. 1803. 2404. 1510 4.0 0 44 30.
1			
0	ADnbT	AG	1797. 2401. 1636. 2800. 1105 4.0 0 56 30.
2			
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
247	173	2.0	1105 32.1 1695 1 3
1			
0	ADnbR	AG	1815. 2410. 1711. 2675. 155 4.0 0 32 30.
2			
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
247	173	2.0	155 32.1 1583 1 3
1			
0	ADnbR	AG	1711. 2675. 1722. 2740. 155 4.0 0 32 30.
1			
0	ADnbR	AG	1722. 2740. 1789. 2778. 155 4.0 0 32 30.
1			
0	ADnbL	AG	1772. 2400. 1616. 2796. 250 4.0 0 32 30.
2			
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
247	206	2.0	250 32.1 1770 1 3
1			
0	ADnb2	AG	1639. 2803. 1570. 2969. 1205 4.0 0 56 30.
1			
0	ADnbT2	AG	1571. 2968. 1458. 3168. 775 4.0 0 56 30.
2			
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
247	187	2.0	775 32.1 1695 1 3
1			
0	ADnbR2	AG	1592. 2972. 1555. 3064. 430 4.0 0 32 30.
1			
0	ADnbR2	AG	1555. 3064. 1551. 3156. 430 4.0 0 32 30.
1			
0	ADnbR2	AG	1551. 3156. 1615. 3374. 430 4.0 0 32 30.
1			
0	ADnbD	AG	1460. 3169. 1201. 3572. 1065 4.0 0 56 30.
1			
0	ADnbD	AG	1201. 3572. 1110. 3763. 1065 4.0 0 44 30.
1			
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1450 3.1 0 68 30.
1			
0	ADsbT	AG	1177. 3473. 1422. 3106. 1130 3.1 0 56 30.
2			
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
247	154	2.0	1130 32.1 1695 1 3
1			
0	ADsbR	AG	1177. 3439. 1306. 3233. 80 3.1 0 32 30.
2			
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
247	154	2.0	80 32.1 1583 1 3
1			
0	ADsbR	AG	1306. 3233. 1327. 3131. 80 3.1 0 32 30.
1			
0	ADsbR	AG	1327. 3131. 1296. 3001. 80 3.1 0 32 30.
1			
0	ADsbR	AG	1296. 3001. 1249. 2911. 80 3.1 0 32 30.
1			
0	ADsbL	AG	1228. 3446. 1435. 3128. 240 3.1 0 32 30.
2			
0	ADsbLQ	AG	1388. 3200. 1240. 3427. 0. 12 1
247	206	2.0	240 32.1 1770 1 3
1			
0	ADsb2	AG	1422. 3107. 1495. 2999. 1770 3.1 0 56 30.
1			
0	ADsbT2	AG	1483. 2997. 1593. 2797. 1495 3.1 0 44 30.

0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		247	137	2.0	1495	32.1	1770	1	3				
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		275	3.1	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		247	169	2.0	275	32.1	1717	1	3				
0	1	ADsblD	AG	1595.	2795.	1972.	1867.		1855	3.1	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		1365	3.1	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		1365	3.1	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		410	3.1	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		410	3.1	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		410	3.1	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		247	189	2.0	410	32.1	1583	1	3				
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		475	3.1	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		630	3.1	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		530	3.8	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		247	204	2.0	530	32.1	1672	1	3				
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		530	3.8	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		530	3.8	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		530	3.8	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		955	2.9	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		247	99	2.0	955	32.1	1717	1	3				
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		950	2.9	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		830	2.9	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		247	155	2.0	830	32.1	1770	1	3				
0	1	193ebL	AG	1324.	2884.	1460.	3071.		120	2.9	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		247	204	2.0	120	32.1	1770	1	3				
0	1	193ebD	AG	1474.	3064.	1547.	3223.		1500	2.9	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		1500	2.9	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2325	2.9	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1510	2.9	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		247	133	2.0	1510	32.1	1770	1	3				
0	1	193wbR	AG	1525.	3556.	1451.	3338.		170	2.9	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		247	133	2.0	170	32.1	1583	1	3				
0	1	193wbR	AG	1451.									



JOB: PurpleLine S11 Low LRT 2030AM  
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RUN: PurpleLine S11 Low LRT 2030AM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1510.	4.0	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1105.	4.0	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1790.8	2415.0	*	348.	158. AG	181.	100.0	.0	36.0	.77 17.7
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	155.	4.0	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1767.4	2532.5	*	147.	159. AG	60.	100.0	.0	12.0	.35 7.4
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	155.	4.0	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	155.	4.0	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	4.0	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1763.4	2422.1	*	330.	158. AG	72.	100.0	.0	12.0	.94 16.8
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1205.	4.0	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	775.	4.0	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1642.9	2839.8	*	264.	151. AG	196.	100.0	.0	36.0	.67 13.4
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	430.	4.0	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	430.	4.0	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	430.	4.0	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1065.	4.0	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1065.	4.0	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1450.	3.1	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1130.	3.1	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1196.6	3444.6	*	317.	326. AG	161.	100.0	.0	36.0	.62 16.1
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	80.	3.1	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1267.2	3295.1	*	67.	328. AG	54.	100.0	.0	12.0	.14 3.4
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	80.	3.1	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	80.	3.1	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	80.	3.1	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	240.	3.1	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1221.7	3455.0	*	304.	327. AG	72.	100.0	.0	12.0	.91 15.5
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1770.	3.1	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1495.	3.1	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1240.9	3434.3	*	668.	331. AG	96.	100.0	.0	24.0	.98 33.9
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.1	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1524.9	2964.9	*	127.	331. AG	118.	100.0	.0	24.0	.27 6.4
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1855.	3.1	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1365.	3.1	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1365.	3.1	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	410.	3.1	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	410.	3.1	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	410.	3.1	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1443.5	2752.6	*	141.	263. AG	198.	100.0	.0	36.0	.39 7.1
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	475.	3.1	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	630.	3.1	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	530.	3.8	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1894.0	2799.8	*	196.	93. AG	213.	100.0	.0	36.0	.67 10.0
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	530.	3.8	.0	44.0	

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RUN: PurpleLine S11 Low LRT 2030AM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	530.	3.8	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	530.	3.8	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	955.	2.9	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	963.3	2568.4	*	258.	234. AG	69.	100.0	.0	24.0	.48 13.1
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	950.	2.9	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	830.	2.9	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1232.8	2724.9	*	352.	215. AG	108.	100.0	.0	24.0	.66 17.9
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	120.	2.9	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1344.3	2912.7	*	134.	216. AG	71.	100.0	.0	12.0	.43 6.8
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1500.	2.9	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1500.	2.9	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2325.	2.9	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1510.	2.9	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1637.2	3853.7	*	625.	17. AG	93.	100.0	.0	24.0	.96 31.7
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	170.	2.9	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1493.3	3463.2	*	124.	19. AG	46.	100.0	.0	12.0	.24 6.3
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	170.	2.9	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	645.	2.9	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1574.4	3572.9	*	352.	17. AG	132.	100.0	.0	24.0	.86 17.9
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1590.	2.9	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1590.	2.9	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1514.5	3187.0	*	533.	43. AG	69.	100.0	.0	24.0	.98 27.1
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1590.	2.9	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2120.	2.9	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	2120.	2.9	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	247	173	2.0	1105	1695	32.10	1	3
5. 0	ADnbRQ	247	173	2.0	155	1583	32.10	1	3
9. 0	ADnbLQ	247	206	2.0	250	1770	32.10	1	3
12. 0	ADnbT2Q	247	187	2.0	775	1695	32.10	1	3
20. 0	ADsbTQ	247	154	2.0	1130	1695	32.10	1	3
22. 0	ADsbRQ	247	154	2.0	80	1583	32.10	1	3
27. 0	ADsbLQ	247	206	2.0	240	1770	32.10	1	3
30. 0	ADsbT2Q	247	137	2.0	1495	1770	32.10	1	3
32. 0	ADsbL2Q	247	169	2.0	275	1717	32.10	1	3
39. 0	CMebTRq	247	189	2.0	410	1583	32.10	1	3
43. 0	CMwbQ	247	204	2.0	530	1672	32.10	1	3
48. 0	193ebLQ	247	99	2.0	955	1717	32.10	1	3
51. 0	193ebT	247	155	2.0	830	1770	32.10	1	3
53. 0	193ebL	247	204	2.0	120	1770	32.10	1	3
58. 0	193wbT	247	133	2.0	1510	1770	32.10	1	3
60. 0	193wbR	247	133	2.0	170	1583	32.10	1	3
63. 0	193wbL	247	189	2.0	645	1717	32.10	1	3
66. 0	193wbQ	247	99	2.0	1590	1394	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

JOB: PurpleLine S11 Low LRT 2030AM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

CONCENTRATION																					
ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
-----																					
0. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.2	.3	.5	.8	1.0	.5	.2	.1	
5. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.3	.5	.8	1.0	.5	.2	.1		
10. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.1	.7	.8	1.0	.5	.2	.2		

15. \* .1 .1 .2 .3 .5 .1 .1 .0 .0 .0 .1 .0 .0 .0 .8 .9 1.0 .5 .2 .2  
20. \* .0 .1 .2 .3 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.0 .6 .3 .2  
25. \* .0 .1 .2 .3 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.1 .7 .4 .3  
30. \* .0 .1 .1 .3 .5 .1 .2 .0 .0 .0 .0 .0 .0 .0 .8 .9 .9 .6 .4 .4  
35. \* .0 .0 .1 .3 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.0 .6 .4 .4  
40. \* .0 .0 .1 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .6 .3 .3  
45. \* .0 .0 .1 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 1.0 .9 .6 .4 .3  
50. \* .0 .0 .1 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 .9 .4 .3 .3  
55. \* .0 .0 .0 .3 .4 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.0 .3 .3 .4  
60. \* .0 .0 .0 .2 .4 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.0 .3 .3 .4  
65. \* .0 .0 .0 .2 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 1.0 1.1 1.0 .2 .3 .6  
70. \* .0 .0 .0 .1 .3 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.1 .9 .3 .4 .7  
75. \* .0 .0 .0 .2 .2 .2 .2 .0 .1 .1 .0 .0 .0 .0 1.0 1.1 .8 .3 .4 .7  
80. \* .0 .0 .0 .2 .2 .2 .2 .1 .2 .2 .1 .0 .0 .0 1.0 1.1 .8 .3 .4 .8  
85. \* .0 .0 .0 .2 .2 .2 .1 .2 .3 .1 .0 .0 .0 .0 1.0 1.2 .8 .3 .4 .7  
90. \* .0 .0 .0 .1 .1 .1 .1 .3 .4 .2 .0 .0 .0 .0 1.0 1.1 .8 .3 .5 .6  
95. \* .0 .0 .0 .1 .1 .1 .1 .4 .6 .4 .0 .0 .0 .0 1.0 1.1 .6 .4 .5 .5  
100. \* .0 .0 .0 .1 .1 .1 .1 .5 .7 .5 .1 .0 .0 .0 1.0 1.0 .6 .5 .6 .5  
105. \* .0 .0 .0 .1 .1 .1 .2 .6 .8 .5 .1 .0 .0 .0 1.1 1.0 .6 .5 .6 .5  
110. \* .0 .0 .0 .0 .0 .0 .2 .8 .9 .6 .1 .0 .0 .0 1.0 1.0 .5 .5 .7 .4  
115. \* .0 .0 .0 .0 .0 .0 .2 .8 .9 .6 .2 .1 .0 .0 1.0 .9 .6 .5 .7 .5  
120. \* .0 .0 .0 .0 .0 .0 .2 .9 .9 .5 .2 .1 .0 .0 1.0 1.0 .6 .5 .5 .5  
125. \* .0 .0 .0 .0 .0 .0 .2 .8 .9 .5 .2 .1 .1 .8 .8 .6 .4 .6 .5  
130. \* .0 .0 .0 .0 .0 .0 .2 .8 .9 .5 .2 .1 .1 .9 .8 .6 .5 .5 .5  
135. \* .0 .0 .0 .0 .0 .0 .1 .8 .9 .4 .2 .1 .1 .8 .7 .6 .6 .5 .5  
140. \* .0 .0 .0 .0 .0 .0 .1 .8 .8 .3 .2 .2 .1 .7 .7 .3 .5 .5 .3  
145. \* .1 .0 .1 .0 .0 .0 .1 .8 .8 .4 .4 .2 .2 .5 .5 .5 .4 .3 .3  
150. \* .1 .2 .1 .0 .0 .0 .1 .8 .8 .4 .3 .4 .3 .4 .2 .3 .4 .3 .3  
155. \* .1 .3 .5 .1 .0 .0 .1 .8 .8 .6 .6 .5 .4 .2 .1 .4 .4 .3 .3  
160. \* .3 .5 .6 .2 .0 .0 .1 .7 .8 .6 .9 .7 .6 .1 .0 .3 .3 .3 .3  
165. \* .4 .5 .7 .3 .0 .0 .2 .7 .8 .7 .9 .8 .6 .0 .1 .2 .3 .4 .3  
170. \* .5 .6 .8 .6 .0 .0 .2 .7 .9 .7 .1 .8 .9 .0 .1 .2 .3 .3 .4  
175. \* .5 .7 .9 .5 .0 .0 .2 .8 .1 .8 .1 .9 .9 .0 .0 .2 .3 .3 .4  
180. \* .5 .7 1.1 .7 .1 .0 .3 .9 1.2 .8 .9 1.0 .9 .0 .0 .2 .3 .3 .4  
185. \* .5 .8 1.1 .7 .2 .0 .3 1.0 1.3 .8 .9 .8 1.1 .0 .0 .1 .2 .3 .3  
190. \* .6 .8 1.1 .7 .2 .0 .5 1.0 1.2 .6 .9 1.0 1.0 .0 .0 .0 .2 .3 .3  
195. \* .6 .9 1.0 .7 .2 .0 .5 .9 1.2 .6 .9 1.0 1.0 .0 .0 .0 .1 .2 .3  
200. \* .5 .9 1.0 .7 .2 .1 .6 1.0 1.2 .6 .8 1.0 1.0 .0 .0 .0 .1 .2 .2  
205. \* .6 .9 1.0 .7 .3 .1 .7 1.0 1.2 .6 .8 1.0 .9 .0 .0 .0 .1 .2 .2

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JOB: PurpleLine S11 Low LRT 2030AM

RUN: PurpleLine S11 Low LRT 2030AM

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.6	.9	1.0	.6	.2	.1	.0	.7	1.0	1.1	.6	1.0	1.2	.8	.0	.0	.0	.0	.2	.2
215.	*	.6	.9	1.0	.6	.2	.1	.1	.8	1.0	1.0	.6	1.1	1.2	.7	.0	.0	.0	.0	.2	.2
220.	*	.6	.9	.9	.6	.2	.1	.1	.8	.9	1.0	.6	.9	1.0	.7	.0	.0	.0	.0	.1	.2
225.	*	.7	.9	.9	.6	.2	.1	.1	.8	.9	.9	.8	1.0	1.0	.7	.0	.0	.0	.0	.0	.0
230.	*	.7	.9	.9	.6	.2	.1	.1	.9	.9	.9	.6	1.0	1.2	.7	.0	.0	.0	.0	.0	.0
235.	*	.7	.8	.9	.6	.2	.1	.1	1.0	1.0	.9	.7	1.1	1.1	.8	.0	.0	.0	.0	.0	.0
240.	*	.8	.9	.9	.6	.2	.1	.1	1.0	1.0	.7	.9	1.2	1.1	.9	.0	.0	.0	.0	.0	.0
245.	*	.8	.9	.9	.6	.1	.1	.1	1.0	1.1	.6	.9	1.1	1.1	.8	.0	.0	.0	.0	.0	.0
250.	*	.8	.9	.9	.6	.1	.1	.1	1.1	1.0	.5	.9	1.2	1.1	.8	.0	.0	.0	.0	.0	.0
255.	*	.8	1.0	.9	.6	.1	.1	.1	1.1	.9	.5	.9	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
260.	*	.8	1.0	.9	.7	.2	.1	.1	1.1	.8	.5	.9	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
265.	*	.8	1.0	.9	.5	.2	.3	.3	1.0	.9	.6	1.1	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
270.	*	.8	1.0	.9	.5	.3	.4	.2	1.0	.7	.5	1.1	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
275.	*	.8	1.0	.9	.5	.2	.4	.3	.8	.5	.6	1.2	1.2	1.0	.7	.0	.0	.0	.0	.0	.0
280.	*	.8	1.0	1.0	.4	.3	.4	.3	.6	.4	.5	1.2	1.1	1.0	.6	.0	.0	.0	.0	.0	.0
285.	*	.8	1.0	1.1	.4	.5	.5	.5	.5	.4	.5	1.2	1.1	1.0	.6	.0	.0	.0	.0	.0	.0
290.	*	.8	1.0	1.1	.4	.5	.7	.5	.4	.4	.6	1.4	1.1	1.0	.6	.0	.0	.0	.0	.0	.0
295.	*	.8	1.0	1.1	.3	.8	.7	.5	.3	.4	.6	1.4	1.0	1.0	.6	.0	.0	.0	.0	.0	.0
300.	*	.9	1.2	1.1	.4	.8	.9	.5	.3	.3	.6	1.5	1.0	1.1	.6	.0	.0	.0	.0	.0	.0
305.	*	1.0	1.2	1.1	.3	.8	.8	.4	.2	.2	.6	1.4	.9	1.0	.6	.0	.0	.0	.0	.0	.0
310.	*	1.1	1.2	1.1	.3	.9	.8	.3	.1	.2	.4	1.3	1.1	.8	.6	.0	.0	.0	.0	.0	.0
315.	*	1.1	1.2	1.1	.6	.9	.7	.3	.0	.2	.4	1.4	1.0	.7	.6	.0	.0	.0	.0	.0	.0
320.	*	1.2	1.4	.9	.6	.8	.5	.2	.0	.1	.4	1.3	1.0	.6	.6	.0	.1	.1	.0	.0	.0
325.	*	1.1	1.2	.7	.5	.8	.5	.2	.0	.0	.1	1.2	.9	.6	.5	.0	.1	.1	.0	.0	.0
330.	*	1.1	.8	.6	.5	.7	.4	.2	.0	.0	.1	1.0	.7	.4	.3	.3	.3	.3	.1	.0	.0
335.	*	.6	.7	.6	.4	.5	.3	.2	.0	.0	.0	.7	.2	.3	.4	.3	.3	.5	.1	.0	.0
340.	*	.7	.6	.4	.3	.5	.2	.1	.0	.0	.0	.6	.3	.3	.4	.4	.4	.6	.1	.0	.0
345.	*	.6	.5	.3	.4	.5	.2	.1	.0	.0	.0	.4	.3	.2	.3	.4	.5	.7	.3	.1	.0
350.	*	.2	.3	.2	.3	.5	.2	.1	.0	.0	.0	.2	.3	.2	.3	.4	.7	.8	.4	.1	.0
355.	*	.2	.1	.1	.3	.5	.1	.1	.0	.0	.0	.1	.1	.2	.3	.4	.7	.9	.5	.1	.1
360.	*	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.2	.3	.5	.8	1.0	.5	.2	.1
MAX	*	1.2	1.4	1.1	.7	.9	.9	.5	1.1	1.1	1.3	1.5	1.2	1.2	1.1	1.1	1.2	1.1	.7	.7	.8
DEGR.	*	320	320	315	180	310	300	285	250	245	185	300	240	210	185	105	85	25	25	110	80

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JOB: PurpleLine S11 Low LRT 2030AM

RUN: PurpleLine S11 Low LRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.3	.9	1.0	.7	.8	1.0	
5.	*	.1	.2	.2	.9	.9	.5	.9	.9	
10.	*	.1	.2	.3	1.0	.6	.5	.9	1.0	
15.	*	.1	.2	.4	1.0	.5	.6	.9	1.0	
20.	*	.1	.2	.4	1.0	.5	.7	.8	1.0	
25.	*	.1	.2	.5	1.0	.5	.7	.8	1.0	
30.	*	.2	.2	.6	1.0	.4	.7	.8	.9	
35.	*	.2	.2	.7	.9	.3	.7	.8	.9	
40.	*	.3	.2	.6	.7	.5	.9	.8	.9	
45.	*	.3	.2	.5	.6	.4	.9	.8	.8	
50.	*	.4	.2	.6	.6	.4	.9	.8	.8	
55.	*	.3	.3	.6	.7	.5	.9	.9	.8	
60.	*	.5	.3	.7	.6	.5	.9	.8	.8	
65.	*	.5	.4	.5	.5	.5	.8	.8	.7	
70.	*	.5	.3	.5	.5	.5	.8	.8	.7	
75.	*	.5	.3	.4	.4	.6	.8	.8	.7	
80.	*	.5	.3	.4	.4	.6	.7	.8	.7	
85.	*	.5	.3	.4	.4	.6	.7	.8	.7	
90.	*	.5	.2	.4	.4	.5	.7	.8	.7	
95.	*	.5	.1	.3	.3	.6	.7	.8	.7	
100.	*	.5	.1	.2	.4	.5	.7	.8	.7	
105.	*	.5	.1	.2	.5	.6	.8	.8	.7	
110.	*	.6	.1	.2	.5	.7	.9	.8	.7	
115.	*	.6	.1	.2	.5	.7	.9	.8	.7	
120.	*	.6	.1	.2	.5	.7	.9	.9	.8	
125.	*	.5	.1	.2	.5	.9	1.0	.9	.8	
130.	*	.4	.0	.2	.4	.9	.9	.8	.9	
135.	*	.4	.0	.2	.2	.9	.8	.8	.8	
140.	*	.4	.0	.1	.2	.8	.8	.9	.8	
145.	*	.4	.0	.0	.2	.8	.9	.8	.6	
150.	*	.4	.0	.0	.1	.7	.8	.8	.6	
155.	*	.4	.0	.0	.1	.7	.7	.6	.4	
160.	*	.4	.0	.0	.0	.5	.5	.5	.4	
165.	*	.3	.0	.0	.0	.3	.3	.2	.2	
170.	*	.3	.0	.0	.0	.1	.2	.2	.2	
175.	*	.3	.0	.0	.0	.1	.1	.1	.1	
180.	*	.3	.0	.0	.0	.1	.1	.1	.1	
185.	*	.2	.0	.0	.0	.0	.1	.1	.1	
190.	*	.3	.0	.0	.0	.0	.0	.0	.0	
195.	*	.3	.0	.0	.0	.0	.0	.0	.0	
200.	*	.3	.0	.0	.0	.0	.0	.0	.0	
205.	*	.3	.0	.0	.0	.0	.0	.0	.0	

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JOB: PurpleLine S11 Low LRT 2030AM

RUN: PurpleLine S11 Low LRT 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0
260.	*	.0	.1	.0	.1	.2	.0	.0	.0	.0
265.	*	.0	.1	.0	.1	.3	.0	.0	.0	.0
270.	*	.0	.1	.0	.1	.4	.0	.0	.0	.0
275.	*	.0	.0	.0	.2	.5	.0	.0	.0	.0
280.	*	.0	.0	.1	.4	.7	.1	.0	.0	.0
285.	*	.0	.1	.1	.4	.7	.1	.0	.0	.0
290.	*	.0	.1	.1	.5	.7	.1	.0	.0	.0
295.	*	.0	.1	.1	.5	.7	.2	.0	.0	.0
300.	*	.0	.1	.1	.6	.7	.3	.1	.0	.0
305.	*	.0	.1	.1	.6	.7	.3	.1	.0	.0
310.	*	.0	.1	.1	.6	.7	.3	.2	.2	.0
315.	*	.0	.1	.1	.6	.6	.3	.2	.2	.0
320.	*	.0	.1	.1	.6	.6	.4	.2	.2	.0
325.	*	.0	.1	.1	.6	.6	.4	.3	.2	.0
330.	*	.0	.1	.1	.6	.9	.5	.5	.4	.0
335.	*	.0	.1	.1	.8	1.1	.6	.5	.6	.0
340.	*	.0	.1	.1	.8	.9	.7	.6	.8	.0
345.	*	.0	.1	.3	.7	1.0	.8	.8	.8	.0
350.	*	.0	.2	.3	.6	.9	.8	.8	.8	.0
355.	*	.0	.3	.2	.7	.9	.6	.8	.9	.0
360.	*	.0	.4	.3	.9	1.0	.7	.8	1.0	.0
MAX	*	.6	.4	.7	1.0	1.1	1.0	.9	1.0	
DEGR.	*	110	0	35	10	335	125	5	0	

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 185 DEGREES FROM REC10.

PurpleLine S11 Low LRT 2030PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 Low LRT 2030PM	69	1	0
0	ADnbAP	AG	2094. 1673. 1803. 2404. 2265 5.4 0 44 30.
0	ADnbT	AG	1797. 2401. 1636. 2800. 1765 5.4 0 56 30.
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
248		158	2.0 1765 32.1 1695 1 3
0	ADnbR	AG	1815. 2410. 1711. 2675. 250 5.4 0 32 30.
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
248		158	2.0 250 32.1 1583 1 3
0	ADnbR	AG	1711. 2675. 1722. 2740. 250 5.4 0 32 30.
0	ADnbR	AG	1722. 2740. 1789. 2778. 250 5.4 0 32 30.
0	ADnbL	AG	1772. 2400. 1616. 2796. 250 5.4 0 32 30.
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
248		214	2.0 250 32.1 1770 1 3
0	ADnb2	AG	1639. 2803. 1570. 2969. 2210 5.4 0 56 30.
0	ADnbT2	AG	1571. 2968. 1458. 3168. 1465 5.4 0 56 30.
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
248		172	2.0 1465 32.1 1695 1 3
0	ADnbR2	AG	1592. 2972. 1555. 3064. 745 5.4 0 32 30.
0	ADnbR2	AG	1555. 3064. 1551. 3156. 745 5.4 0 32 30.
0	ADnbR2	AG	1551. 3156. 1615. 3374. 745 5.4 0 32 30.
0	ADnbD	AG	1460. 3169. 1201. 3572. 1955 5.4 0 56 30.
0	ADnbD	AG	1201. 3572. 1110. 3763. 1955 5.4 0 44 30.
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1435 3.0 0 68 30.
0	ADsbT	AG	1177. 3473. 1422. 3106. 1105 3.0 0 56 30.
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
248		146	2.0 1105 32.1 1695 1 3
0	ADsbR	AG	1177. 3439. 1306. 3233. 195 3.0 0 32 30.
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
248		146	2.0 195 32.1 1583 1 3
0	ADsbR	AG	1306. 3233. 1327. 3131. 195 3.0 0 32 30.
0	ADsbR	AG	1327. 3131. 1296. 3001. 195 3.0 0 32 30.
0	ADsbR	AG	1296. 3001. 1249. 2911. 195 3.0 0 32 30.
0	ADsbL	AG	1228. 3446. 1435. 3128. 135 3.0 0 32 30.
0	ADsbLQ	AG	1388. 3200. 1240. 3427. 0. 12 1
248		214	2.0 135 32.1 1770 1 3
0	ADsb2	AG	1422. 3107. 1495. 2999. 1570 3.0 0 56 30.
0	ADsbT2	AG	1483. 2997. 1593. 2797. 1295 3.0 0 44 30.

0	2	ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		248	145	2.0	1295	32.1	1770	1 3					
0	1	ADsbL2	AG	1504.	3003.	1610.	2810.		275	3.0	0	44	30.
0	2	ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		248	200	2.0	275	32.1	1717	1 3					
0	1	ADsbD	AG	1595.	2795.	1972.	1867.		1885	3.0	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		2355	3.7	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		2355	3.7	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		610	3.7	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		610	3.7	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		610	3.7	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		248	194	2.0	610	32.1	1739	1 3					
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		520	3.7	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		770	3.7	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		1235	3.7	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		248	185	2.0	1235	32.1	1691	1 3					
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		815	3.7	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		815	3.7	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		815	3.7	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1745	2.9	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		248	108	2.0	1745	32.1	1717	1 3					
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1745	2.9	0	44	30.
0	2	193ebTR	AG	1337.	2871.	1473.	3064.		1620	2.9	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		248	141	2.0	1620	32.1	1770	1 3					
0	1	193ebL	AG	1324.	2884.	1460.	3071.		125	2.9	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		248	185	2.0	125	32.1	1770	1 3					
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2500	2.9	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2500	2.9	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2050	2.9	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1215	2.9	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		248	162	2.0	1215	32.1	1770	1 3					
0	1	193wbR	AG	1525.	3556.	1451.	3338.		365	2.9	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		248	162	2.0	365	32.1	1583	1 3					
0	1	193wbR	AG	1									

JOB: PurpleLine S11 Low LRT 2030PM  
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RUN: PurpleLine S11 Low LRT 2030PM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	* 2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	2265.	5.4	.0	44.0	
2. 0	ADnbT	* 1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1765.	5.4	.0	56.0	
3. 0	ADnbTQ	* 1661.0	2738.0	1897.5	2149.6	*	634.	158. AG	165.	100.0	.0	36.0	1.00 32.2
4. 0	ADnbR	* 1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	250.	5.4	.0	32.0	
5. 0	ADnbRQ	* 1714.0	2669.0	1792.7	2467.9	*	216.	159. AG	55.	100.0	.0	12.0	.46 11.0
6. 0	ADnbR	* 1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	250.	5.4	.0	32.0	
7. 0	ADnbR	* 1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	250.	5.4	.0	32.0	
8. 0	ADnbL	* 1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	5.4	.0	32.0	
9. 0	ADnbLQ	* 1642.0	2729.0	1910.2	2050.9	*	729.	158. AG	74.	100.0	.0	12.0	1.17 37.0
10. 0	ADnb2	* 1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	2210.	5.4	.0	56.0	
11. 0	ADnbT2	* 1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1465.	5.4	.0	56.0	
12. 0	ADnbT2Q	* 1514.0	3070.0	1786.0	2584.2	*	557.	151. AG	179.	100.0	.0	36.0	.99 28.3
13. 0	ADnbR2	* 1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	745.	5.4	.0	32.0	
14. 0	ADnbR2	* 1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	745.	5.4	.0	32.0	
15. 0	ADnbR2	* 1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	745.	5.4	.0	32.0	
16. 0	ADnbD	* 1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1955.	5.4	.0	56.0	
17. 0	ADnbD	* 1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1955.	5.4	.0	44.0	
18. 0	ADsbAP	* 1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1435.	3.0	.0	68.0	
19. 0	ADsbT	* 1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1105.	3.0	.0	56.0	
20. 0	ADsbTQ	* 1372.0	3181.0	1209.3	3425.6	*	294.	326. AG	152.	100.0	.0	36.0	.55 14.9
21. 0	ADsbR	* 1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	195.	3.0	.0	32.0	
22. 0	ADsbRQ	* 1303.0	3238.0	1220.3	3369.9	*	156.	328. AG	51.	100.0	.0	12.0	.31 7.9
23. 0	ADsbR	* 1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	195.	3.0	.0	32.0	
24. 0	ADsbR	* 1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	195.	3.0	.0	32.0	
25. 0	ADsbR	* 1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	195.	3.0	.0	32.0	
26. 0	ADsbL	* 1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	135.	3.0	.0	32.0	
27. 0	ADsbLQ	* 1388.0	3200.0	1301.7	3332.3	*	158.	327. AG	74.	100.0	.0	12.0	.63 8.0
28. 0	ADsb2	* 1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1570.	3.0	.0	56.0	
29. 0	ADsbT2	* 1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1295.	3.0	.0	44.0	
30. 0	ADsbT2Q	* 1564.0	2850.0	1297.3	3332.3	*	551.	331. AG	101.	100.0	.0	24.0	.92 28.0
31. 0	ADsbL2	* 1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.0	.0	44.0	
32. 0	ADsbL2Q	* 1586.0	2854.0	1513.6	2985.2	*	150.	331. AG	139.	100.0	.0	24.0	.45 7.6
33. 0	ADsbD	* 1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1885.	3.0	.0	44.0	
34. 0	193ebAP	* 683.0	2476.0	956.0	2578.0	*	291.	70. AG	2355.	3.7	.0	44.0	
35. 0	193ebAP	* 956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2355.	3.7	.0	44.0	
36. 0	CMebTR	* 1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	610.	3.7	.0	56.0	
37. 0	CMebTR	* 1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	610.	3.7	.0	56.0	
38. 0	CMebTR	* 1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	610.	3.7	.0	56.0	
39. 0	CMebTRq	* 1583.0	2770.0	1369.3	2743.3	*	215.	263. AG	202.	100.0	.0	36.0	.58 10.9
40. 0	CMebD1	* 1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	520.	3.7	.0	44.0	
41. 0	CMebD2	* 1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	770.	3.7	.0	44.0	
42. 0	CMwbAP	* 2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1235.	3.7	.0	56.0	
43. 0	CMwbQ	* 1698.0	2811.0	2299.7	2776.7	*	603.	93. AG	193.	100.0	.0	36.0	1.02 30.6
44. 0	CMwbD	* 1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	815.	3.7	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	* 1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	815.	3.7	.0	44.0	
46. 0	CMwbD	* 1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	815.	3.7	.0	44.0	
47. 0	193ebL	* 1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1745.	2.9	.0	44.0	
48. 0	193ebLQ	* 1173.0	2719.0	721.3	2394.6	*	556.	234. AG	75.	100.0	.0	24.0	.93 28.3
49. 0	193ebAP	* 1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1745.	2.9	.0	44.0	
50. 0	193ebTR	* 1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1620.	2.9	.0	44.0	
51. 0	193ebT	* 1436.0	3012.0	565.8	1783.0	*	1506.	215. AG	98.	100.0	.0	24.0	1.10 76.5
52. 0	193ebL	* 1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	125.	2.9	.0	32.0	
53. 0	193ebL	* 1423.0	3021.0	1348.6	2918.7	*	126.	216. AG	64.	100.0	.0	12.0	.30 6.4
54. 0	193ebD	* 1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2500.	2.9	.0	44.0	
55. 0	193ebD	* 1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2500.	2.9	.0	44.0	
56. 0	193wbA	* 1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	2.9	.0	68.0	
57. 0	193wbT	* 1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1215.	2.9	.0	44.0	
58. 0	193wbT	* 1455.0	3256.0	1710.0	4092.5	*	874.	17. AG	112.	100.0	.0	24.0	1.04 44.4
59. 0	193wbR	* 1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	365.	2.9	.0	32.0	
60. 0	193wbR	* 1454.0	3346.0	1556.7	3652.6	*	323.	19. AG	56.	100.0	.0	12.0	.70 16.4
61. 0	193wbR	* 1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	365.	2.9	.0	32.0	
62. 0	193wbL	* 1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	470.	2.9	.0	44.0	
63. 0	193wbL	* 1472.0	3236.0	1634.2	3769.7	*	558.	17. AG	148.	100.0	.0	24.0	1.10 28.3
64. 0	193wbD	* 1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1405.	2.9	.0	44.0	
65. 0	193wbD	* 1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1405.	2.9	.0	44.0	
66. 0	193wbQ	* 1154.0	2794.0	1458.6	3126.0	*	451.	43. AG	75.	100.0	.0	24.0	.92 22.9
67. 0	193wbD1	* 1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1405.	2.9	.0	44.0	
68. 0	193wbD1	* 1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2220.	2.9	.0	44.0	
69. 0	193wbD1	* 850.0	2582.0	673.0	2513.0	*	190.	249. AG	2220.	2.9	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	248	158	2.0	1765	1695	32.10	1	3
5. 0	ADnbRQ	248	158	2.0	250	1583	32.10	1	3
9. 0	ADnbLQ	248	214	2.0	250	1770	32.10	1	3
12. 0	ADnbT2Q	248	172	2.0	1465	1695	32.10	1	3
20. 0	ADsbTQ	248	146	2.0	1105	1695	32.10	1	3
22. 0	ADsbRQ	248	146	2.0	195	1583	32.10	1	3
27. 0	ADsbLQ	248	214	2.0	135	1770	32.10	1	3
30. 0	ADsbT2Q	248	145	2.0	1295	1770	32.10	1	3
32. 0	ADsbL2Q	248	200	2.0	275	1717	32.10	1	3
39. 0	CMebTRq	248	194	2.0	610	1739	32.10	1	3
43. 0	CMwbQ	248	185	2.0	1235	1691	32.10	1	3
48. 0	193ebLQ	248	108	2.0	1745	1717	32.10	1	3
51. 0	193ebT	248	141	2.0	1620	1770	32.10	1	3
53. 0	193ebL	248	185	2.0	125	1770	32.10	1	3
58. 0	193wbT	248	162	2.0	1215	1770	32.10	1	3
60. 0	193wbR	248	162	2.0	365	1583	32.10	1	3
63. 0	193wbL	248	213	2.0	470	1717	32.10	1	3
66. 0	193wbQ	248	108	2.0	1405	1394	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

JOB: PurpleLine S11 Low LRT 2030PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	* *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.2	.6	1.1	.4	.6	.6	.6	.0	.0	.0	.1	.3	.3	.5	.6	.7	.8	.5	.2	.1
5.	*	.2	.5	1.1	.4	.6	.6	.6	.0	.0	.0	.1	.0	.3	.5	.5	.7	1.0	.5	.2	.2
10.	*	.2	.5	1.0	.4	.6	.6	.6	.0	.0	.0	.1	.0	.1	.4	.5	.8	1.0	.5	.3	.2



15. \* .1 .4 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .1 .6 .8 1.0 .7 .4 .2  
20. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .1 .6 .7 1.0 .8 .5 .5  
25. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 .7 1.0 .7 .5 .5  
30. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 .8 1.0 .7 .5 .5  
35. \* .1 .2 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 1.0 1.0 .7 .6 .5  
40. \* .1 .2 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .7 .6 .4  
45. \* .1 .1 .8 .4 .6 .6 .7 .0 .0 .0 .0 .0 .0 .9 1.0 1.1 .7 .3 .3  
50. \* .1 .1 .8 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .7 .3 .3  
55. \* .1 .1 .9 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .4 .3 .4  
60. \* .1 .1 .9 .5 .7 .7 .7 .1 .0 .0 .0 .0 .0 .9 1.1 1.1 .2 .4 .4  
65. \* .0 .1 .9 .5 .7 .7 .7 .2 .0 .0 .0 .0 .0 .1 1.0 1.1 .3 .4 .5  
70. \* .0 .1 .7 .5 .7 .7 .7 .2 .2 .2 .0 .0 .0 .1 1.0 1.2 1.1 .3 .4 .7  
75. \* .0 .0 .7 .5 .8 .9 .8 .3 .2 .2 .1 .0 .0 .0 .9 1.2 1.0 .4 .5 .8  
80. \* .0 .0 .7 .5 .7 .7 .7 .4 .3 .3 .1 .0 .0 .0 .9 1.2 .9 .4 .5 .7  
85. \* .0 .0 .6 .4 .7 .7 .6 .6 .6 .3 .0 .0 .0 .0 .9 1.2 .9 .5 .5 .7  
90. \* .0 .0 .6 .4 .6 .6 .5 .8 .7 .7 .4 .1 .0 .0 .9 1.2 .8 .5 .6 .9  
95. \* .0 .0 .7 .1 .4 .4 .4 1.2 .9 1.0 .5 .1 .0 .0 .1 1.1 .7 .5 .7 1.0  
100. \* .0 .0 .7 .1 .3 .3 .3 1.3 1.1 1.2 .7 .3 .1 .0 .1 1.2 1.1 .7 .5 .8 .7  
105. \* .0 .0 .7 .0 .2 .2 .2 1.3 1.2 1.3 .7 .3 .1 .0 .1 1.2 1.0 .8 .7 .9 .6  
110. \* .0 .0 .7 .0 .1 .1 .1 1.4 1.2 1.2 .8 .4 .1 .1 1.2 1.0 .8 .7 1.0 .7  
115. \* .0 .0 .8 .0 .0 .0 .0 1.2 1.1 1.1 .8 .4 .3 .1 1.0 1.1 .8 .7 1.0 .8  
120. \* .0 .0 .8 .0 .0 .0 .0 1.2 1.1 1.1 .8 .4 .3 .1 1.2 1.2 .7 .8 .6 .7  
125. \* .0 .0 .8 .0 .0 .0 .0 1.1 1.1 1.1 .7 .4 .3 .1 1.3 1.1 .7 .8 .7 .7  
130. \* .0 .0 .8 .0 .0 .0 .0 1.1 1.0 .9 .7 .4 .3 .1 1.3 1.0 .7 .9 .8 .6  
135. \* .0 .0 .7 .0 .0 .0 .0 1.1 1.0 .9 .7 .4 .4 .1 .9 .9 .8 .6 .7 .7  
140. \* .1 .0 .7 .1 .0 .0 .0 1.0 1.0 .9 .7 .5 .2 .2 .8 .8 .5 .7 .5 .7  
145. \* .2 .2 1.0 .1 .0 .0 .0 1.0 .9 .8 1.0 .7 .5 .2 .7 .6 .4 .6 .5 .6  
150. \* .3 .4 1.2 .4 .0 .0 .0 1.0 .9 .8 1.3 .9 .7 .5 .6 .4 .5 .5 .4 .6  
155. \* .6 .6 1.2 .5 .0 .0 .0 .9 .8 1.0 1.6 1.3 1.1 .8 .3 .1 .5 .4 .4 .5  
160. \* .9 1.1 1.6 .7 .1 .0 .0 .8 .8 1.0 1.9 1.7 1.4 .9 .0 .0 .3 .4 .4 .5  
165. \* 1.1 1.2 1.6 1.0 .1 .0 .0 .8 1.0 1.2 1.9 1.7 1.5 1.1 .0 .1 .3 .4 .2 .5  
170. \* 1.3 1.3 1.7 1.3 .2 .1 .0 .9 1.0 1.5 2.0 1.6 1.4 1.2 .0 .1 .2 .4 .3 .5  
175. \* 1.3 1.4 1.7 1.4 .2 .1 .1 1.0 1.0 1.5 1.9 1.7 1.5 1.2 .1 .1 .2 .3 .3 .5  
180. \* 1.3 1.4 1.6 1.4 .2 .2 .1 1.0 1.3 1.6 1.7 1.5 1.6 1.0 .1 .1 .2 .3 .3 .4  
185. \* 1.2 1.4 1.5 1.4 .4 .2 .1 1.0 1.5 1.6 1.6 1.3 1.2 1.0 .1 .1 .2 .2 .3 .4  
190. \* 1.2 1.3 1.4 1.4 .6 .2 .2 1.0 1.4 1.6 1.6 1.3 1.2 1.1 .1 .1 .2 .2 .3 .4  
195. \* 1.1 1.3 1.4 1.3 .6 .2 .2 .9 1.2 1.6 1.4 1.2 1.3 1.1 .0 .1 .1 .2 .3 .4  
200. \* 1.2 1.3 1.4 1.3 .5 .1 .2 1.1 1.3 1.6 1.3 1.1 1.4 1.1 .0 .1 .1 .2 .3 .4  
205. \* 1.2 1.3 1.3 1.2 .5 .2 .2 1.1 1.2 1.4 1.2 1.1 1.5 1.0 .0 .0 .1 .2 .3 .4

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JOB: PurpleLine S11 Low LRT 2030PM

RUN: PurpleLine S11 Low LRT 2030PM

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* 1.0 1.2 1.3 1.2 .5 .2 .1 1.2 1.1 1.2 1.2 1.2 1.5 1.1 .0 .0 .0 .1 .3 .4  
215. \* 1.0 1.2 1.3 1.2 .5 .3 .1 1.2 1.2 1.3 1.3 1.2 1.4 1.1 .0 .0 .0 .0 .4 .4  
220. \* .9 1.1 1.2 1.2 .5 .3 .1 1.3 1.2 1.3 1.4 1.2 1.4 1.0 .0 .0 .0 .0 .1 .3  
225. \* .9 1.1 1.1 1.2 .5 .3 .2 1.3 1.3 1.3 1.3 1.4 1.4 1.1 .0 .0 .0 .0 .0 .0  
230. \* .9 1.1 1.0 1.2 .4 .3 .2 1.3 1.3 1.3 1.3 1.5 1.3 1.1 .0 .0 .0 .0 .0 .0  
235. \* .9 1.1 1.0 1.2 .4 .3 .3 1.4 1.3 1.3 1.4 1.4 1.3 1.1 .0 .0 .0 .0 .0 .0  
240. \* .9 1.1 1.0 1.2 .4 .3 .3 1.4 1.4 1.2 1.4 1.4 1.3 1.2 .0 .0 .0 .0 .0 .0  
245. \* 1.1 1.1 1.0 1.2 .4 .3 .3 1.3 1.4 1.4 1.3 1.4 1.4 1.2 .0 .0 .0 .0 .0 .0  
250. \* 1.1 1.1 1.1 1.2 .4 .3 .3 1.4 1.3 1.3 1.5 1.3 1.1 1.1 .0 .0 .0 .0 .0 .0  
255. \* 1.0 1.1 1.1 1.2 .5 .3 .3 1.4 1.2 1.3 1.5 1.3 1.1 1.0 .0 .0 .0 .0 .0 .0  
260. \* 1.0 1.1 1.1 1.2 .5 .4 .5 1.2 1.2 1.1 1.5 1.3 1.1 .9 .0 .0 .0 .0 .0 .0  
265. \* 1.0 1.1 1.1 1.1 .5 .6 .6 1.2 1.1 1.0 1.4 1.3 1.2 .9 .0 .0 .0 .0 .0 .0  
270. \* 1.0 1.1 1.1 1.2 .7 .6 .6 1.2 1.0 1.0 1.3 1.3 1.3 .8 .0 .0 .0 .0 .0 .0  
275. \* 1.0 1.1 1.1 1.2 .7 .8 .6 1.0 .9 .9 1.3 1.3 1.0 .7 .0 .0 .0 .0 .0 .0  
280. \* 1.1 1.2 1.2 1.1 .7 .7 .7 .8 .7 .8 1.6 1.4 1.2 .7 .0 .0 .0 .0 .0 .0  
285. \* 1.1 1.2 1.4 1.1 .8 .8 .7 .6 .7 .8 1.6 1.4 1.2 .7 .0 .0 .0 .0 .0 .0  
290. \* 1.3 1.4 1.5 1.0 .8 .9 .7 .6 .7 .8 1.5 1.2 1.3 .6 .0 .0 .0 .0 .0 .0  
295. \* 1.3 1.4 1.5 .9 .9 .8 .8 .4 .6 .7 1.6 1.2 1.3 .7 .0 .0 .0 .0 .0 .0  
300. \* 1.4 1.4 1.6 1.1 1.1 .9 .8 .4 .4 .7 1.6 1.2 1.2 .7 .0 .0 .0 .0 .0 .0  
305. \* 1.4 1.5 1.6 1.1 1.0 .9 .8 .2 .2 .6 1.6 1.2 1.2 .6 .0 .0 .0 .0 .0 .0  
310. \* 1.5 1.5 1.7 1.1 1.0 .8 .7 .1 .2 .7 1.7 1.3 1.2 .7 .0 .0 .0 .0 .0 .0  
315. \* 1.6 1.7 1.9 1.2 .9 .8 .7 .0 .2 .6 1.7 1.3 1.2 .8 .0 .0 .0 .0 .0 .0  
320. \* 1.6 1.8 2.0 1.1 .7 .6 .7 .0 .1 .6 1.7 1.3 1.0 .7 .0 .1 .1 .0 .0 .0  
325. \* 1.7 1.8 2.0 1.0 .7 .6 .6 .0 .0 .3 1.6 1.2 1.0 .7 .0 .2 .2 .0 .0 .0  
330. \* 1.5 1.5 1.8 .8 .6 .6 .6 .0 .1 .1 1.3 .7 .7 .6 .1 .3 .4 .0 .0 .0  
335. \* 1.2 1.3 1.8 .7 .6 .6 .6 .0 .1 .1 1.0 .7 .7 .6 .3 .4 .4 .1 .0 .0  
340. \* .9 1.5 1.6 .6 .6 .6 .6 .0 .1 .1 .7 .6 .6 .5 .4 .5 .6 .1 .0 .0  
345. \* 1.0 1.1 1.6 .5 .6 .6 .6 .0 .0 .2 .6 .4 .4 .5 .4 .7 .6 .2 .1 .0  
350. \* .7 .9 1.3 .5 .6 .6 .6 .0 .0 .2 .5 .3 .4 .6 .5 .7 .6 .3 .1 .0  
355. \* .4 .8 1.1 .4 .6 .6 .6 .0 .0 .0 .3 .4 .6 .5 .7 .8 .5 .2 .1  
360. \* .2 .6 1.1 .4 .6 .6 .6 .0 .0 .0 .1 .3 .3 .5 .6 .7 .8 .5 .2 .1

MAX \* 1.7 1.8 2.0 1.4 1.1 .9 .8 1.4 1.5 1.6 2.0 1.7 1.6 1.2 1.3 1.2 1.1 .9 1.0 1.0  
DEGR. \* 325 325 320 175 300 75 75 235 185 180 170 160 180 240 125 70 45 130 110 95

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JOB: PurpleLine S11 Low LRT 2030PM

RUN: PurpleLine S11 Low LRT 2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.3	.8	1.2	1.4	.7	1.1	1.2
5.	*	.1	.4	.9	1.2	1.1	.7	1.1	1.2
10.	*	.2	.6	1.0	1.2	1.0	.9	1.2	1.2
15.	*	.2	.6	.9	1.2	.9	1.1	1.2	1.2
20.	*	.3	.6	.9	1.3	.9	1.2	1.1	1.1
25.	*	.4	.5	.9	1.3	1.0	1.0	1.1	1.2
30.	*	.3	.6	1.0	1.1	.9	1.1	1.1	1.2
35.	*	.4	.6	1.0	1.1	.8	1.1	1.1	1.2
40.	*	.3	.8	1.0	1.0	.9	1.2	1.2	1.2
45.	*	.4	.8	.9	.9	.9	1.3	1.2	1.1
50.	*	.5	.7	.8	1.0	1.0	1.3	1.2	1.1
55.	*	.4	.7	.7	1.1	.9	1.3	1.2	1.1
60.	*	.5	.7	.9	1.2	.9	1.3	1.3	1.1
65.	*	.6	.7	.9	1.2	1.0	1.3	1.2	1.1
70.	*	.6	.7	.7	1.1	1.0	1.3	1.2	1.0
75.	*	.5	.7	.8	1.0	1.0	1.3	1.2	.9
80.	*	.5	.5	.7	.9	1.1	1.3	1.2	.9
85.	*	.6	.5	.8	.9	1.1	1.1	1.1	.9
90.	*	.6	.5	.6	.9	1.1	1.1	1.0	.9
95.	*	.7	.4	.6	.6	1.2	1.0	1.0	.9
100.	*	.8	.3	.4	.6	1.1	1.0	1.0	.8
105.	*	.8	.3	.4	.6	1.0	1.0	1.0	.8
110.	*	.8	.2	.4	.6	1.1	1.1	.9	.8
115.	*	.8	.2	.3	.6	1.0	1.1	.9	.8
120.	*	.7	.1	.3	.6	1.0	1.0	1.1	1.0
125.	*	.7	.1	.3	.6	1.1	1.2	1.0	1.2
130.	*	.7	.2	.3	.5	1.2	1.3	1.2	1.2
135.	*	.6	.2	.3	.6	1.1	1.2	1.2	1.2
140.	*	.5	.1	.3	.6	1.3	1.2	1.2	1.1
145.	*	.5	.0	.2	.4	1.0	1.1	1.0	1.1
150.	*	.5	.0	.1	.3	1.0	.9	.9	1.0
155.	*	.5	.0	.0	.3	.8	.8	.8	.8
160.	*	.4	.0	.0	.0	.8	.8	.8	.6
165.	*	.4	.0	.0	.0	.5	.5	.5	.5
170.	*	.4	.0	.0	.0	.2	.3	.3	.2
175.	*	.4	.0	.0	.0	.1	.1	.1	.1
180.	*	.5	.0	.0	.0	.1	.1	.1	.1
185.	*	.5	.0	.0	.0	.0	.1	.1	.1
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.5	.0	.0	.0	.0	.0	.0	.0
200.	*	.5	.0	.0	.0	.0	.0	.0	.0
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S11 Low LRT 2030PM

RUN: PurpleLine S11 Low LRT 2030PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.1	.0	.0	.0	.0	.0	.0
220.	*	.2	.1	.1	.0	.0	.0	.0	.0
225.	*	.1	.1	.1	.1	.0	.0	.0	.0
230.	*	.0	.1	.1	.1	.1	.0	.0	.0
235.	*	.0	.1	.1	.1	.1	.0	.0	.0
240.	*	.0	.1	.1	.1	.1	.1	.0	.0
245.	*	.0	.2	.1	.1	.2	.1	.0	.0
250.	*	.0	.2	.2	.2	.2	.1	.0	.0
255.	*	.0	.2	.3	.2	.3	.1	.0	.0
260.	*	.0	.2	.3	.3	.4	.1	.0	.0
265.	*	.0	.4	.3	.5	.6	.1	.0	.0
270.	*	.0	.4	.2	.5	.7	.1	.0	.0
275.	*	.0	.4	.3	.6	.8	.2	.0	.0
280.	*	.0	.2	.3	.7	.9	.1	.0	.0
285.	*	.0	.2	.4	.7	.9	.2	.0	.0
290.	*	.0	.2	.4	.7	.9	.2	.1	.0
295.	*	.0	.2	.5	.7	.9	.2	.1	.0
300.	*	.0	.2	.5	.7	.8	.2	.1	.1
305.	*	.0	.2	.6	.8	.8	.3	.1	.1
310.	*	.0	.3	.6	.8	.9	.3	.3	.2
315.	*	.0	.3	.7	.8	.7	.3	.3	.2
320.	*	.0	.3	.7	.8	.8	.4	.2	.2
325.	*	.0	.4	.7	.8	.9	.4	.3	.2
330.	*	.0	.4	.7	.7	.9	.5	.5	.5
335.	*	.0	.4	.7	.8	1.2	.7	.5	.7
340.	*	.0	.3	.7	.9	1.3	.7	.9	.9
345.	*	.0	.3	.8	.8	1.3	.8	1.2	1.0
350.	*	.0	.3	.9	.8	1.2	.9	1.0	1.1
355.	*	.0	.3	.9	1.0	1.4	.8	1.0	1.1
360.	*	.0	.3	.8	1.2	1.4	.7	1.1	1.2
MAX	*	.8	.8	1.0	1.3	1.4	1.3	1.3	1.2
DEGR.	*	100	40	10	20	0	45	60	0

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 320 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 170 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 325 DEGREES FROM REC2 .

PurpleLine S11 HighLRT 2030AM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 HighLRT 2030AM	69	1	0
1			
0	ADnbAP	AG	2094. 1673. 1803. 2404. 1510 4.0 0 44 30.
1			
0	ADnbT	AG	1797. 2401. 1636. 2800. 1105 4.0 0 56 30.
2			
0	ADnbTQ	AG	1661. 2738. 1786. 2427. 0. 36 3
247	173	2.0	1105 32.1 1695 1 3
1			
0	ADnbR	AG	1815. 2410. 1711. 2675. 155 4.0 0 32 30.
2			
0	ADnbRQ	AG	1714. 2669. 1804. 2439. 0. 12 1
247	173	2.0	155 32.1 1583 1 3
1			
0	ADnbR	AG	1711. 2675. 1722. 2740. 155 4.0 0 32 30.
1			
0	ADnbR	AG	1722. 2740. 1789. 2778. 155 4.0 0 32 30.
1			
0	ADnbL	AG	1772. 2400. 1616. 2796. 250 4.0 0 32 30.
2			
0	ADnbLQ	AG	1642. 2729. 1765. 2418. 0. 12 1
247	206	2.0	250 32.1 1770 1 3
1			
0	ADnb2	AG	1639. 2803. 1570. 2969. 1205 4.0 0 56 30.
1			
0	ADnbT2	AG	1571. 2968. 1458. 3168. 775 4.0 0 56 30.
2			
0	ADnbT2Q	AG	1514. 3070. 1570. 2970. 0. 36 3
247	187	2.0	775 32.1 1695 1 3
1			
0	ADnbR2	AG	1592. 2972. 1555. 3064. 430 4.0 0 32 30.
1			
0	ADnbR2	AG	1555. 3064. 1551. 3156. 430 4.0 0 32 30.
1			
0	ADnbR2	AG	1551. 3156. 1615. 3374. 430 4.0 0 32 30.
1			
0	ADnbD	AG	1460. 3169. 1201. 3572. 1065 4.0 0 56 30.
1			
0	ADnbD	AG	1201. 3572. 1110. 3763. 1065 4.0 0 44 30.
1			
0	ADsbAP	AG	1082. 3641. 1177. 3472. 1450 3.1 0 68 30.
1			
0	ADsbT	AG	1177. 3473. 1422. 3106. 1130 3.1 0 56 30.
2			
0	ADsbTQ	AG	1372. 3181. 1203. 3435. 0. 36 3
247	154	2.0	1130 32.1 1695 1 3
1			
0	ADsbR	AG	1177. 3439. 1306. 3233. 80 3.1 0 32 30.
2			
0	ADsbRQ	AG	1303. 3238. 1182. 3431. 0. 12 1
247	154	2.0	80 32.1 1583 1 3
1			
0	ADsbR	AG	1306. 3233. 1327. 3131. 80 3.1 0 32 30.
1			
0	ADsbR	AG	1327. 3131. 1296. 3001. 80 3.1 0 32 30.
1			
0	ADsbR	AG	1296. 3001. 1249. 2911. 80 3.1 0 32 30.
1			
0	ADsbL	AG	1228. 3446. 1435. 3128. 240 3.1 0 32 30.
2			
0	ADsbLQ	AG	1388. 3200. 1240. 3427. 0. 12 1
247	206	2.0	240 32.1 1770 1 3
1			
0	ADsb2	AG	1422. 3107. 1495. 2999. 1770 3.1 0 56 30.
1			
0	ADsbT2	AG	1483. 2997. 1593. 2797. 1495 3.1 0 44 30.

0	2	ADsbt2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		247	137	2.0	1495	32.1	1770	1	3				
0	1	ADsbl2	AG	1504.	3003.	1610.	2810.		275	3.1	0	44	30.
0	2	ADsbl2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		247	169	2.0	275	32.1	1717	1	3				
0	1	ADsblD	AG	1595.	2795.	1972.	1867.		1855	3.1	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		1365	3.1	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		1365	3.1	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		410	3.1	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		410	3.1	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		410	3.1	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		247	189	2.0	410	32.1	1583	1	3				
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		475	3.1	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		630	3.1	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		530	3.8	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		247	204	2.0	530	32.1	1672	1	3				
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		530	3.8	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		530	3.8	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		530	3.8	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		955	2.9	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		247	99	2.0	955	32.1	1717	1	3				
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		950	2.9	0	44	30.
0	1	193ebTR	AG	1337.	2871.	1473.	3064.		830	2.9	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		247	155	2.0	830	32.1	1770	1	3				
0	1	193ebL	AG	1324.	2884.	1460.	3071.		120	2.9	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		247	204	2.0	120	32.1	1770	1	3				
0	1	193ebD	AG	1474.	3064.	1547.	3223.		1500	2.9	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		1500	2.9	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2325	2.9	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1510	2.9	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		247	133	2.0	1510	32.1	1770	1	3				
0	1	193wbR	AG	1525.	3556.	1451.	3338.		170	2.9	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		247	133	2.0	170	32.1	1583	1	3				
0	1	193wbR	AG	1451.									

JOB: PurpleLine S11 HighLRT 2030AM  
 DATE: 10/23/2007 TIME: 09:35:45.33

RUN: PurpleLine S11 HighLRT 2030AM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	1510.	4.0	.0	44.0	
2. 0	ADnbT	1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1105.	4.0	.0	56.0	
3. 0	ADnbTQ	1661.0	2738.0	1790.8	2415.0	*	348.	158. AG	181.	100.0	.0	36.0	.77 17.7
4. 0	ADnbR	1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	155.	4.0	.0	32.0	
5. 0	ADnbRQ	1714.0	2669.0	1767.4	2532.5	*	147.	159. AG	60.	100.0	.0	12.0	.35 7.4
6. 0	ADnbR	1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	155.	4.0	.0	32.0	
7. 0	ADnbR	1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	155.	4.0	.0	32.0	
8. 0	ADnbL	1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	4.0	.0	32.0	
9. 0	ADnbLQ	1642.0	2729.0	1763.4	2422.1	*	330.	158. AG	72.	100.0	.0	12.0	.94 16.8
10. 0	ADnb2	1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	1205.	4.0	.0	56.0	
11. 0	ADnbT2	1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	775.	4.0	.0	56.0	
12. 0	ADnbT2Q	1514.0	3070.0	1642.9	2839.8	*	264.	151. AG	196.	100.0	.0	36.0	.67 13.4
13. 0	ADnbR2	1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	430.	4.0	.0	32.0	
14. 0	ADnbR2	1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	430.	4.0	.0	32.0	
15. 0	ADnbR2	1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	430.	4.0	.0	32.0	
16. 0	ADnbD	1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1065.	4.0	.0	56.0	
17. 0	ADnbD	1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1065.	4.0	.0	44.0	
18. 0	ADsbAP	1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1450.	3.1	.0	68.0	
19. 0	ADsbT	1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1130.	3.1	.0	56.0	
20. 0	ADsbTQ	1372.0	3181.0	1196.6	3444.6	*	317.	326. AG	161.	100.0	.0	36.0	.62 16.1
21. 0	ADsbR	1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	80.	3.1	.0	32.0	
22. 0	ADsbRQ	1303.0	3238.0	1267.2	3295.1	*	67.	328. AG	54.	100.0	.0	12.0	.14 3.4
23. 0	ADsbR	1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	80.	3.1	.0	32.0	
24. 0	ADsbR	1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	80.	3.1	.0	32.0	
25. 0	ADsbR	1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	80.	3.1	.0	32.0	
26. 0	ADsbL	1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	240.	3.1	.0	32.0	
27. 0	ADsbLQ	1388.0	3200.0	1221.7	3455.0	*	304.	327. AG	72.	100.0	.0	12.0	.91 15.5
28. 0	ADsb2	1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1770.	3.1	.0	56.0	
29. 0	ADsbT2	1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1495.	3.1	.0	44.0	
30. 0	ADsbT2Q	1564.0	2850.0	1240.9	3434.3	*	668.	331. AG	96.	100.0	.0	24.0	.98 33.9
31. 0	ADsbL2	1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.1	.0	44.0	
32. 0	ADsbL2Q	1586.0	2854.0	1524.9	2964.9	*	127.	331. AG	118.	100.0	.0	24.0	.27 6.4
33. 0	ADsbD	1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1855.	3.1	.0	44.0	
34. 0	193ebAP	683.0	2476.0	956.0	2578.0	*	291.	70. AG	1365.	3.1	.0	44.0	
35. 0	193ebAP	956.0	2578.0	1101.0	2645.0	*	160.	65. AG	1365.	3.1	.0	44.0	
36. 0	CMebTR	1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	410.	3.1	.0	56.0	
37. 0	CMebTR	1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	410.	3.1	.0	56.0	
38. 0	CMebTR	1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	410.	3.1	.0	56.0	
39. 0	CMebTRq	1583.0	2770.0	1443.5	2752.6	*	141.	263. AG	198.	100.0	.0	36.0	.39 7.1
40. 0	CMebD1	1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	475.	3.1	.0	44.0	
41. 0	CMebD2	1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	630.	3.1	.0	44.0	
42. 0	CMwbAP	2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	530.	3.8	.0	56.0	
43. 0	CMwbQ	1698.0	2811.0	1894.0	2799.8	*	196.	93. AG	213.	100.0	.0	36.0	.67 10.0
44. 0	CMwbD	1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	530.	3.8	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	530.	3.8	.0	44.0	
46. 0	CMwbD	1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	530.	3.8	.0	44.0	
47. 0	193ebL	1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	955.	2.9	.0	44.0	
48. 0	193ebLQ	1173.0	2719.0	963.3	2568.4	*	258.	234. AG	69.	100.0	.0	24.0	.48 13.1
49. 0	193ebAP	1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	950.	2.9	.0	44.0	
50. 0	193ebTR	1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	830.	2.9	.0	44.0	
51. 0	193ebT	1436.0	3012.0	1232.8	2724.9	*	352.	215. AG	108.	100.0	.0	24.0	.66 17.9
52. 0	193ebL	1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	120.	2.9	.0	32.0	
53. 0	193ebL	1423.0	3021.0	1344.3	2912.7	*	134.	216. AG	71.	100.0	.0	12.0	.43 6.8
54. 0	193ebD	1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	1500.	2.9	.0	44.0	
55. 0	193ebD	1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	1500.	2.9	.0	44.0	
56. 0	193wbA	1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2325.	2.9	.0	68.0	
57. 0	193wbT	1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1510.	2.9	.0	44.0	
58. 0	193wbT	1455.0	3256.0	1637.2	3853.7	*	625.	17. AG	93.	100.0	.0	24.0	.96 31.7
59. 0	193wbR	1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	170.	2.9	.0	32.0	
60. 0	193wbR	1454.0	3346.0	1493.3	3463.2	*	124.	19. AG	46.	100.0	.0	12.0	.24 6.3
61. 0	193wbR	1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	170.	2.9	.0	32.0	
62. 0	193wbL	1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	645.	2.9	.0	44.0	
63. 0	193wbL	1472.0	3236.0	1574.4	3572.9	*	352.	17. AG	132.	100.0	.0	24.0	.86 17.9
64. 0	193wbD	1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1590.	2.9	.0	44.0	
65. 0	193wbD	1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1590.	2.9	.0	44.0	
66. 0	193wbQ	1154.0	2794.0	1514.5	3187.0	*	533.	43. AG	69.	100.0	.0	24.0	.98 27.1
67. 0	193wbD1	1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1590.	2.9	.0	44.0	
68. 0	193wbD1	1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2120.	2.9	.0	44.0	
69. 0	193wbD1	850.0	2582.0	673.0	2513.0	*	190.	249. AG	2120.	2.9	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	247	173	2.0	1105	1695	32.10	1	3
5. 0	ADnbRQ	247	173	2.0	155	1583	32.10	1	3
9. 0	ADnbLQ	247	206	2.0	250	1770	32.10	1	3
12. 0	ADnbT2Q	247	187	2.0	775	1695	32.10	1	3
20. 0	ADsbTQ	247	154	2.0	1130	1695	32.10	1	3
22. 0	ADsbRQ	247	154	2.0	80	1583	32.10	1	3
27. 0	ADsbLQ	247	206	2.0	240	1770	32.10	1	3
30. 0	ADsbT2Q	247	137	2.0	1495	1770	32.10	1	3
32. 0	ADsbL2Q	247	169	2.0	275	1717	32.10	1	3
39. 0	CMebTRq	247	189	2.0	410	1583	32.10	1	3
43. 0	CMwbQ	247	204	2.0	530	1672	32.10	1	3
48. 0	193ebLQ	247	99	2.0	955	1717	32.10	1	3
51. 0	193ebT	247	155	2.0	830	1770	32.10	1	3
53. 0	193ebL	247	204	2.0	120	1770	32.10	1	3
58. 0	193wbT	247	133	2.0	1510	1770	32.10	1	3
60. 0	193wbR	247	133	2.0	170	1583	32.10	1	3
63. 0	193wbL	247	189	2.0	645	1717	32.10	1	3
66. 0	193wbQ	247	99	2.0	1590	1394	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	COORDINATES (FT)			* * *
		X	Y	Z	
28. SW MID S	*	1686.0	2517.0	5.0	*

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.2	.3	.5	.8	1.0	.5	.2	.1
5. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.3	.5	.8	1.0	.5	.2	.1	
10. *	.1	.1	.2	.3	.5	.1	.1	.0	.0	.0	.1	.0	.0	.1	.7	.8	1.0	.5	.2	.2

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15. * .1 .1 .2 .3 .5 .1 .1 .0 .0 .0 .1 .0 .0 .0 .8 .9 1.0 .5 .2 .2
20. * .0 .1 .2 .3 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.0 .6 .3 .2
25. * .0 .1 .2 .3 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.1 .7 .4 .3
30. * .0 .1 .1 .3 .5 .1 .2 .0 .0 .0 .0 .0 .0 .0 .8 .9 .9 .6 .4 .4
35. * .0 .0 .1 .3 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 .9 1.0 .6 .4 .4
40. * .0 .0 .1 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .6 .3 .3
45. * .0 .0 .1 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .8 1.0 .9 .6 .4 .3
50. * .0 .0 .1 .3 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 .9 .4 .3 .3
55. * .0 .0 .0 .3 .4 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.0 .3 .3 .4
60. * .0 .0 .0 .2 .4 .2 .2 .0 .0 .0 .0 .0 .0 .0 .9 1.1 1.0 .3 .3 .4
65. * .0 .0 .0 .2 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 1.0 1.1 1.0 .2 .3 .6
70. * .0 .0 .0 .1 .3 .2 .2 .0 .0 .1 .0 .0 .0 .0 1.0 1.1 .9 .3 .4 .7
75. * .0 .0 .0 .2 .2 .2 .2 .0 .1 .1 .0 .0 .0 .0 1.0 1.1 .8 .3 .4 .7
80. * .0 .0 .0 .2 .2 .2 .2 .1 .2 .2 .1 .0 .0 .0 1.0 1.1 .8 .3 .4 .8
85. * .0 .0 .0 .2 .2 .2 .1 .2 .3 .1 .0 .0 .0 .0 1.0 1.2 .8 .3 .4 .7
90. * .0 .0 .0 .1 .1 .1 .1 .3 .4 .2 .0 .0 .0 .0 1.0 1.1 .8 .3 .5 .6
95. * .0 .0 .0 .1 .1 .1 .1 .4 .6 .4 .0 .0 .0 .0 1.0 1.1 .6 .4 .5 .5
100. * .0 .0 .0 .1 .1 .1 .1 .5 .7 .5 .1 .0 .0 .0 1.0 1.0 .6 .5 .6 .5
105. * .0 .0 .0 .1 .1 .1 .2 .6 .8 .5 .1 .0 .0 .0 1.1 1.0 .6 .5 .6 .5
110. * .0 .0 .0 .0 .0 .0 .2 .8 .9 .6 .1 .0 .0 .0 1.0 1.0 .5 .5 .7 .4
115. * .0 .0 .0 .0 .0 .0 .2 .8 .9 .6 .2 .1 .0 .0 1.0 .9 .6 .5 .7 .5
120. * .0 .0 .0 .0 .0 .0 .2 .9 .9 .5 .2 .1 .0 .0 1.0 1.0 .6 .5 .5 .5
125. * .0 .0 .0 .0 .0 .0 .2 .8 .9 .5 .2 .1 .1 .8 .8 .6 .4 .6 .5
130. * .0 .0 .0 .0 .0 .0 .2 .8 .9 .5 .2 .1 .1 .9 .8 .6 .5 .5 .5
135. * .0 .0 .0 .0 .0 .0 .1 .8 .9 .4 .2 .1 .1 .8 .7 .6 .6 .5 .5
140. * .0 .0 .0 .0 .0 .0 .1 .8 .8 .3 .2 .2 .1 .7 .7 .3 .5 .5 .3
145. * .1 .0 .1 .0 .0 .0 .1 .8 .8 .4 .4 .2 .2 .5 .5 .5 .5 .4 .3
150. * .1 .2 .1 .0 .0 .0 .1 .8 .8 .4 .3 .4 .3 .4 .2 .3 .4 .3 .3
155. * .1 .3 .5 .1 .0 .0 .1 .8 .8 .6 .6 .5 .4 .2 .1 .4 .4 .3 .3
160. * .3 .5 .6 .2 .0 .0 .1 .7 .8 .6 .9 .7 .6 .1 .0 .3 .3 .3 .3
165. * .4 .5 .7 .3 .0 .0 .2 .7 .8 .7 .9 .8 .6 .0 .1 .2 .3 .4 .3
170. * .5 .6 .8 .6 .0 .0 .2 .7 .9 .7 .1 .8 .9 .0 .1 .2 .3 .3 .4
175. * .5 .7 .9 .5 .0 .0 .2 .8 .1 .8 .1 .9 .9 .0 .0 .2 .3 .3 .4
180. * .5 .7 1.1 .7 .1 .0 .3 .9 1.2 .8 .9 1.0 .9 .0 .0 .2 .3 .3 .4
185. * .5 .8 1.1 .7 .2 .0 .3 1.0 1.3 .8 .9 .8 1.1 .0 .0 .1 .2 .3 .3
190. * .6 .8 1.1 .7 .2 .0 .5 1.0 1.2 .6 .9 1.0 1.0 .0 .0 .0 .2 .3 .3
195. * .6 .9 1.0 .7 .2 .0 .5 .9 1.2 .6 .9 1.0 1.0 .0 .0 .0 .1 .2 .3
200. * .5 .9 1.0 .7 .2 .1 .6 1.0 1.2 .6 .8 1.0 1.0 .0 .0 .0 .1 .2 .2
205. * .6 .9 1.0 .7 .3 .1 .7 1.0 1.2 .6 .8 1.0 .9 .0 .0 .0 .1 .2 .2

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JOB: PurpleLine S11 HighLRT 2030AM

RUN: PurpleLine S11 HighLRT 2030AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
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210. * .6 .9 1.0 .6 .2 .1 .0 .7 1.0 1.1 .6 1.0 1.2 .8 .0 .0 .0 .0 .2 .2
215. * .6 .9 1.0 .6 .2 .1 .1 .8 1.0 1.0 .6 1.1 1.2 .7 .0 .0 .0 .0 .2 .2
220. * .6 .9 .9 .6 .2 .1 .1 .8 .9 1.0 .6 .9 1.0 .7 .0 .0 .0 .0 .1 .2
225. * .7 .9 .9 .6 .2 .1 .1 .8 .9 .9 .8 1.0 1.0 .7 .0 .0 .0 .0 .0 .0
230. * .7 .9 .9 .6 .2 .1 .1 .9 .9 .9 .6 1.0 1.2 .7 .0 .0 .0 .0 .0 .0
235. * .7 .8 .9 .6 .2 .1 .1 1.0 1.0 .9 .7 1.1 1.1 .8 .0 .0 .0 .0 .0 .0
240. * .8 .9 .9 .6 .2 .1 .1 1.0 1.0 .7 .9 1.2 1.1 .9 .0 .0 .0 .0 .0 .0
245. * .8 .9 .9 .6 .1 .1 .1 1.0 1.1 .6 .9 1.1 1.1 .8 .0 .0 .0 .0 .0 .0
250. * .8 .9 .9 .6 .1 .1 .1 1.1 1.0 .5 .9 1.2 1.1 .8 .0 .0 .0 .0 .0 .0
255. * .8 1.0 .9 .6 .1 .1 .1 1.1 .9 .5 .9 1.2 1.0 .7 .0 .0 .0 .0 .0 .0
260. * .8 1.0 .9 .7 .2 .1 .1 1.1 .8 .5 .9 1.2 1.0 .7 .0 .0 .0 .0 .0 .0
265. * .8 1.0 .9 .5 .2 .3 .3 1.0 .9 .6 1.1 1.2 1.0 .7 .0 .0 .0 .0 .0 .0
270. * .8 1.0 .9 .5 .3 .4 .2 1.0 .7 .5 1.1 1.2 1.0 .7 .0 .0 .0 .0 .0 .0
275. * .8 1.0 .9 .5 .2 .4 .3 .8 .5 .6 1.2 1.2 1.0 .7 .0 .0 .0 .0 .0 .0
280. * .8 1.0 1.0 .4 .3 .4 .3 .6 .4 .5 1.2 1.1 1.0 .6 .0 .0 .0 .0 .0 .0
285. * .8 1.0 1.1 .4 .5 .5 .5 .5 .4 .5 1.2 1.1 1.0 .6 .0 .0 .0 .0 .0 .0
290. * .8 1.0 1.1 .4 .5 .7 .5 .4 .4 .6 1.4 1.1 1.0 .6 .0 .0 .0 .0 .0 .0
295. * .8 1.0 1.1 .3 .8 .7 .5 .3 .4 .6 1.4 1.0 1.0 .6 .0 .0 .0 .0 .0 .0
300. * .9 1.2 1.1 .4 .8 .9 .5 .3 .3 .6 1.5 1.0 1.1 .6 .0 .0 .0 .0 .0 .0
305. * 1.0 1.2 1.1 .3 .8 .8 .4 .2 .2 .6 1.4 .9 1.0 .6 .0 .0 .0 .0 .0 .0
310. * 1.1 1.2 1.1 .3 .9 .8 .3 .1 .2 .4 1.3 1.1 .8 .6 .0 .0 .0 .0 .0 .0
315. * 1.1 1.2 1.1 .6 .9 .7 .3 .0 .2 .4 1.4 1.0 .7 .6 .0 .0 .0 .0 .0 .0
320. * 1.2 1.4 .9 .6 .8 .5 .2 .0 .1 .4 1.3 1.0 .6 .6 .0 .1 .1 .0 .0 .0
325. * 1.1 1.2 .7 .5 .8 .5 .2 .0 .0 .1 1.2 .9 .6 .5 .0 .1 .1 .0 .0 .0
330. * 1.1 .8 .6 .5 .7 .4 .2 .0 .0 .1 1.0 .7 .4 .3 .3 .3 .1 .0 .0
335. * .6 .7 .6 .4 .5 .3 .2 .0 .0 .0 .7 .2 .3 .4 .3 .3 .5 .1 .0 .0
340. * .7 .6 .4 .3 .5 .2 .1 .0 .0 .0 .6 .3 .3 .4 .4 .4 .6 .1 .0 .0
345. * .6 .5 .3 .4 .5 .2 .1 .0 .0 .0 .4 .3 .2 .3 .4 .5 .7 .3 .1 .0
350. * .2 .3 .2 .3 .5 .2 .1 .0 .0 .0 .2 .3 .2 .3 .4 .7 .8 .4 .1 .0
355. * .2 .1 .1 .3 .5 .1 .1 .0 .0 .0 .1 .1 .2 .3 .4 .7 .9 .5 .1 .1
360. * .1 .1 .2 .3 .5 .1 .1 .0 .0 .0 .1 .0 .2 .3 .5 .8 1.0 .5 .2 .1
-----
MAX * 1.2 1.4 1.1 .7 .9 .9 .5 1.1 1.1 1.3 1.5 1.2 1.2 1.1 1.1 1.2 1.1 .7 .7 .8
DEGR. * 320 320 315 180 310 300 285 250 245 185 300 240 210 185 105 85 25 25 110 80

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JOB: PurpleLine S11 HighLRT 2030AM

RUN: PurpleLine S11 HighLRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.4	.3	.9	1.0	.7	.8	1.0
5.	*	.1	.2	.2	.9	.9	.5	.9	.9
10.	*	.1	.2	.3	1.0	.6	.5	.9	1.0
15.	*	.1	.2	.4	1.0	.5	.6	.9	1.0
20.	*	.1	.2	.4	1.0	.5	.7	.8	1.0
25.	*	.1	.2	.5	1.0	.5	.7	.8	1.0
30.	*	.2	.2	.6	1.0	.4	.7	.8	.9
35.	*	.2	.2	.7	.9	.3	.7	.8	.9
40.	*	.3	.2	.6	.7	.5	.9	.8	.9
45.	*	.3	.2	.5	.6	.4	.9	.8	.8
50.	*	.4	.2	.6	.6	.4	.9	.8	.8
55.	*	.3	.3	.6	.7	.5	.9	.9	.8
60.	*	.5	.3	.7	.6	.5	.9	.8	.8
65.	*	.5	.4	.5	.5	.5	.8	.8	.7
70.	*	.5	.3	.5	.5	.5	.8	.8	.7
75.	*	.5	.3	.4	.4	.6	.8	.8	.7
80.	*	.5	.3	.4	.4	.6	.7	.8	.7
85.	*	.5	.3	.4	.4	.6	.7	.8	.7
90.	*	.5	.2	.4	.4	.5	.7	.8	.7
95.	*	.5	.1	.3	.3	.6	.7	.8	.7
100.	*	.5	.1	.2	.4	.5	.7	.8	.7
105.	*	.5	.1	.2	.5	.6	.8	.8	.7
110.	*	.6	.1	.2	.5	.7	.9	.8	.7
115.	*	.6	.1	.2	.5	.7	.9	.8	.7
120.	*	.6	.1	.2	.5	.7	.9	.9	.8
125.	*	.5	.1	.2	.5	.9	1.0	.9	.8
130.	*	.4	.0	.2	.4	.9	.9	.8	.9
135.	*	.4	.0	.2	.2	.9	.8	.8	.8
140.	*	.4	.0	.1	.2	.8	.8	.9	.8
145.	*	.4	.0	.0	.2	.8	.9	.8	.6
150.	*	.4	.0	.0	.1	.7	.8	.8	.6
155.	*	.4	.0	.0	.1	.7	.7	.6	.4
160.	*	.4	.0	.0	.0	.5	.5	.5	.4
165.	*	.3	.0	.0	.0	.3	.3	.2	.2
170.	*	.3	.0	.0	.0	.1	.2	.2	.2
175.	*	.3	.0	.0	.0	.1	.1	.1	.1
180.	*	.3	.0	.0	.0	.1	.1	.1	.1
185.	*	.2	.0	.0	.0	.0	.1	.1	.1
190.	*	.3	.0	.0	.0	.0	.0	.0	.0
195.	*	.3	.0	.0	.0	.0	.0	.0	.0
200.	*	.3	.0	.0	.0	.0	.0	.0	.0
205.	*	.3	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S11 HighLRT 2030AM

RUN: PurpleLine S11 HighLRT 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.3	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.1	.0	.0	.0
255.	*	.0	.0	.0	.0	.1	.0	.0	.0
260.	*	.0	.1	.0	.1	.2	.0	.0	.0
265.	*	.0	.1	.0	.1	.3	.0	.0	.0
270.	*	.0	.1	.0	.1	.4	.0	.0	.0
275.	*	.0	.0	.0	.2	.5	.0	.0	.0
280.	*	.0	.0	.1	.4	.7	.1	.0	.0
285.	*	.0	.1	.1	.4	.7	.1	.0	.0
290.	*	.0	.1	.1	.5	.7	.1	.0	.0
295.	*	.0	.1	.1	.5	.7	.2	.0	.0
300.	*	.0	.1	.1	.6	.7	.3	.1	.0
305.	*	.0	.1	.1	.6	.7	.3	.1	.0
310.	*	.0	.1	.1	.6	.7	.3	.2	.2
315.	*	.0	.1	.1	.6	.6	.3	.2	.2
320.	*	.0	.1	.1	.6	.6	.4	.2	.2
325.	*	.0	.1	.1	.6	.6	.4	.3	.2
330.	*	.0	.1	.1	.6	.9	.5	.5	.4
335.	*	.0	.1	.1	.8	1.1	.6	.5	.6
340.	*	.0	.1	.1	.8	.9	.7	.6	.8
345.	*	.0	.1	.3	.7	1.0	.8	.8	.8
350.	*	.0	.2	.3	.6	.9	.8	.8	.8
355.	*	.0	.3	.2	.7	.9	.6	.8	.9
360.	*	.0	.4	.3	.9	1.0	.7	.8	1.0
MAX	*	.6	.4	.7	1.0	1.1	1.0	.9	1.0
DEGR.	*	110	0	35	10	335	125	5	0

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 185 DEGREES FROM REC10.



PurpleLine S11 HighLRT 2030PM	60.0321.0.0000.000280.30480000	1	1
SE MID S	1807.	2472.	5.0
SE 164 S	1777.	2550.	5.0
SE 82 S	1748.	2626.	5.0
SE CNR	1744.	2727.	5.0
SE 82 E	1841.	2753.	5.0
SE 164 E	1923.	2749.	5.0
SE MID E	2005.	2746.	5.0
NE MID E	1900.	2822.	5.0
NE 164 E	1818.	2830.	5.0
NE 82 E	1736.	2835.	5.0
NE CNR	1659.	2853.	5.0
NE 82 N	1632.	2920.	5.0
NE 164 N	1599.	2996.	5.0
NE MID N	1574.	3075.	5.0
NW MID N	1211.	3354.	5.0
NW 164 N	1254.	3283.	5.0
NW 82 N	1294.	3212.	5.0
NW CNR	1303.	3104.	5.0
NW 82 W	1275.	3005.	5.0
NW 164 W	1231.	2935.	5.0
NW MID W	1180.	2872.	5.0
SW MID W	1347.	2691.	5.0
SW 164 W	1427.	2712.	5.0
SW 82 W	1510.	2728.	5.0
SW CNR	1592.	2741.	5.0
SW 82 S	1623.	2669.	5.0
SW 164 S	1655.	2594.	5.0
SW MID S	1686.	2517.	5.0
PurpleLine S11 HighLRT 2030PM	69	1	0
1			
0	ADnbAP	AG 2094. 1673. 1803. 2404.	2265 5.4 0 44 30.
1			
0	ADnbT	AG 1797. 2401. 1636. 2800.	1765 5.4 0 56 30.
2			
0	ADnbTQ	AG 1661. 2738. 1786. 2427.	0. 36 3
248	158	2.0 1765 32.1 1695 1 3	
1			
0	ADnbR	AG 1815. 2410. 1711. 2675.	250 5.4 0 32 30.
2			
0	ADnbRQ	AG 1714. 2669. 1804. 2439.	0. 12 1
248	158	2.0 250 32.1 1583 1 3	
1			
0	ADnbR	AG 1711. 2675. 1722. 2740.	250 5.4 0 32 30.
1			
0	ADnbR	AG 1722. 2740. 1789. 2778.	250 5.4 0 32 30.
1			
0	ADnbL	AG 1772. 2400. 1616. 2796.	250 5.4 0 32 30.
2			
0	ADnbLQ	AG 1642. 2729. 1765. 2418.	0. 12 1
248	214	2.0 250 32.1 1770 1 3	
1			
0	ADnb2	AG 1639. 2803. 1570. 2969.	2210 5.4 0 56 30.
1			
0	ADnbT2	AG 1571. 2968. 1458. 3168.	1465 5.4 0 56 30.
2			
0	ADnbT2Q	AG 1514. 3070. 1570. 2970.	0. 36 3
248	172	2.0 1465 32.1 1695 1 3	
1			
0	ADnbR2	AG 1592. 2972. 1555. 3064.	745 5.4 0 32 30.
1			
0	ADnbR2	AG 1555. 3064. 1551. 3156.	745 5.4 0 32 30.
1			
0	ADnbR2	AG 1551. 3156. 1615. 3374.	745 5.4 0 32 30.
1			
0	ADnbD	AG 1460. 3169. 1201. 3572.	1955 5.4 0 56 30.
1			
0	ADnbD	AG 1201. 3572. 1110. 3763.	1955 5.4 0 44 30.
1			
0	ADsbAP	AG 1082. 3641. 1177. 3472.	1435 3.0 0 68 30.
1			
0	ADsbT	AG 1177. 3473. 1422. 3106.	1105 3.0 0 56 30.
2			
0	ADsbTQ	AG 1372. 3181. 1203. 3435.	0. 36 3
248	146	2.0 1105 32.1 1695 1 3	
1			
0	ADsbR	AG 1177. 3439. 1306. 3233.	195 3.0 0 32 30.
2			
0	ADsbRQ	AG 1303. 3238. 1182. 3431.	0. 12 1
248	146	2.0 195 32.1 1583 1 3	
1			
0	ADsbR	AG 1306. 3233. 1327. 3131.	195 3.0 0 32 30.
1			
0	ADsbR	AG 1327. 3131. 1296. 3001.	195 3.0 0 32 30.
1			
0	ADsbR	AG 1296. 3001. 1249. 2911.	195 3.0 0 32 30.
1			
0	ADsbL	AG 1228. 3446. 1435. 3128.	135 3.0 0 32 30.
2			
0	ADsbLQ	AG 1388. 3200. 1240. 3427.	0. 12 1
248	214	2.0 135 32.1 1770 1 3	
1			
0	ADsb2	AG 1422. 3107. 1495. 2999.	1570 3.0 0 56 30.
1			
0	ADsbT2	AG 1483. 2997. 1593. 2797.	1295 3.0 0 44 30.

0	2	ADsbT2Q	AG	1564.	2850.	1491.	2982.		0.	24	2		
		248	145	2.0	1295	32.1	1770	1	3				
0	1	ADsbL2	AG	1504.	3003.	1610.	2810.		275	3.0	0	44	30.
0	2	ADsbL2Q	AG	1586.	2854.	1511.	2990.		0.	24	2		
		248	200	2.0	275	32.1	1717	1	3				
0	1	ADsbD	AG	1595.	2795.	1972.	1867.		1885	3.0	0	44	30.
0	1	193ebAP	AG	683.	2476.	956.	2578.		2355	3.7	0	44	30.
0	1	193ebAP	AG	956.	2578.	1101.	2645.		2355	3.7	0	44	30.
0	1	CMebTR	AG	1101.	2645.	1270.	2700.		610	3.7	0	56	30.
0	1	CMebTR	AG	1270.	2700.	1462.	2755.		610	3.7	0	56	30.
0	1	CMebTR	AG	1462.	2755.	1634.	2777.		610	3.7	0	56	30.
0	2	CMebTRq	AG	1583.	2770.	1463.	2755.		0.	36	3		
		248	194	2.0	610	32.1	1739	1	3				
0	1	CMebD1	AG	1633.	2776.	1786.	2777.		520	3.7	0	44	30.
0	1	CMebD2	AG	1791.	2777.	2624.	2738.		770	3.7	0	44	30.
0	1	CMwbAP	AG	2626.	2758.	1593.	2817.		1235	3.7	0	56	30.
0	2	CMwbQ	AG	1698.	2811.	2101.	2788.		0.	36	3		
		248	185	2.0	1235	32.1	1691	1	3				
0	1	CMwbD	AG	1594.	2816.	1417.	2813.		815	3.7	0	44	30.
0	1	CMwbD	AG	1417.	2813.	1247.	2780.		815	3.7	0	44	30.
0	1	CMwbD	AG	1247.	2780.	1003.	2670.		815	3.7	0	44	30.
0	1	193ebL	AG	1024.	2612.	1210.	2746.		1745	2.9	0	44	30.
0	2	193ebLQ	AG	1173.	2719.	1031.	2617.		0.	24	2		
		248	108	2.0	1745	32.1	1717	1	3				
0	1	193ebAP	AG	1209.	2746.	1334.	2872.		1745	2.9	0	44	30.
0	2	193ebTR	AG	1337.	2871.	1473.	3064.		1620	2.9	0	44	30.
0	2	193ebT	AG	1436.	3012.	1339.	2875.		0.	24	2		
		248	141	2.0	1620	32.1	1770	1	3				
0	1	193ebL	AG	1324.	2884.	1460.	3071.		125	2.9	0	32	30.
0	2	193ebL	AG	1423.	3021.	1327.	2889.		0.	12	1		
		248	185	2.0	125	32.1	1770	1	3				
0	1	193ebD	AG	1474.	3064.	1547.	3223.		2500	2.9	0	44	30.
0	1	193ebD	AG	1547.	3223.	1719.	3800.		2500	2.9	0	44	30.
0	1	193wbA	AG	1621.	3805.	1555.	3554.		2050	2.9	0	68	30.
0	1	193wbT	AG	1546.	3554.	1431.	3179.		1215	2.9	0	44	30.
0	2	193wbT	AG	1455.	3256.	1537.	3525.		0.	24	2		
		248	162	2.0	1215	32.1	1770	1	3				
0	1	193wbR	AG	1525.	3556.	1451.	3338.		365	2.9	0	32	30.
0	2	193wbR	AG	1454.	3346.	1518.	3537.		0.	12	1		
		248	162	2.0	365	32.1	1583	1	3				
0	1	193wbR	AG	1									

JOB: PurpleLine S11 HighLRT 2030PM  
 DATE: 10/23/2007 TIME: 09:41:25.59

RUN: PurpleLine S11 HighLRT 2030PM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	ADnbAP	* 2094.0	1673.0	1803.0	2404.0	*	787.	338. AG	2265.	5.4	.0	44.0	
2. 0	ADnbT	* 1797.0	2401.0	1636.0	2800.0	*	430.	338. AG	1765.	5.4	.0	56.0	
3. 0	ADnbTQ	* 1661.0	2738.0	1897.5	2149.6	*	634.	158. AG	165.	100.0	.0	36.0	1.00 32.2
4. 0	ADnbR	* 1815.0	2410.0	1711.0	2675.0	*	285.	339. AG	250.	5.4	.0	32.0	
5. 0	ADnbRQ	* 1714.0	2669.0	1792.7	2467.9	*	216.	159. AG	55.	100.0	.0	12.0	.46 11.0
6. 0	ADnbR	* 1711.0	2675.0	1722.0	2740.0	*	66.	10. AG	250.	5.4	.0	32.0	
7. 0	ADnbR	* 1722.0	2740.0	1789.0	2778.0	*	77.	60. AG	250.	5.4	.0	32.0	
8. 0	ADnbL	* 1772.0	2400.0	1616.0	2796.0	*	426.	338. AG	250.	5.4	.0	32.0	
9. 0	ADnbLQ	* 1642.0	2729.0	1910.2	2050.9	*	729.	158. AG	74.	100.0	.0	12.0	1.17 37.0
10. 0	ADnb2	* 1639.0	2803.0	1570.0	2969.0	*	180.	337. AG	2210.	5.4	.0	56.0	
11. 0	ADnbT2	* 1571.0	2968.0	1458.0	3168.0	*	230.	331. AG	1465.	5.4	.0	56.0	
12. 0	ADnbT2Q	* 1514.0	3070.0	1786.0	2584.2	*	557.	151. AG	179.	100.0	.0	36.0	.99 28.3
13. 0	ADnbR2	* 1592.0	2972.0	1555.0	3064.0	*	99.	338. AG	745.	5.4	.0	32.0	
14. 0	ADnbR2	* 1555.0	3064.0	1551.0	3156.0	*	92.	358. AG	745.	5.4	.0	32.0	
15. 0	ADnbR2	* 1551.0	3156.0	1615.0	3374.0	*	227.	16. AG	745.	5.4	.0	32.0	
16. 0	ADnbD	* 1460.0	3169.0	1201.0	3572.0	*	479.	327. AG	1955.	5.4	.0	56.0	
17. 0	ADnbD	* 1201.0	3572.0	1110.0	3763.0	*	212.	335. AG	1955.	5.4	.0	44.0	
18. 0	ADsbAP	* 1082.0	3641.0	1177.0	3472.0	*	194.	151. AG	1435.	3.0	.0	68.0	
19. 0	ADsbT	* 1177.0	3473.0	1422.0	3106.0	*	441.	146. AG	1105.	3.0	.0	56.0	
20. 0	ADsbTQ	* 1372.0	3181.0	1209.3	3425.6	*	294.	326. AG	152.	100.0	.0	36.0	.55 14.9
21. 0	ADsbR	* 1177.0	3439.0	1306.0	3233.0	*	243.	148. AG	195.	3.0	.0	32.0	
22. 0	ADsbRQ	* 1303.0	3238.0	1220.3	3369.9	*	156.	328. AG	51.	100.0	.0	12.0	.31 7.9
23. 0	ADsbR	* 1306.0	3233.0	1327.0	3131.0	*	104.	168. AG	195.	3.0	.0	32.0	
24. 0	ADsbR	* 1327.0	3131.0	1296.0	3001.0	*	134.	193. AG	195.	3.0	.0	32.0	
25. 0	ADsbR	* 1296.0	3001.0	1249.0	2911.0	*	102.	208. AG	195.	3.0	.0	32.0	
26. 0	ADsbL	* 1228.0	3446.0	1435.0	3128.0	*	379.	147. AG	135.	3.0	.0	32.0	
27. 0	ADsbLQ	* 1388.0	3200.0	1301.7	3332.3	*	158.	327. AG	74.	100.0	.0	12.0	.63 8.0
28. 0	ADsb2	* 1422.0	3107.0	1495.0	2999.0	*	130.	146. AG	1570.	3.0	.0	56.0	
29. 0	ADsbT2	* 1483.0	2997.0	1593.0	2797.0	*	228.	151. AG	1295.	3.0	.0	44.0	
30. 0	ADsbT2Q	* 1564.0	2850.0	1297.3	3332.3	*	551.	331. AG	101.	100.0	.0	24.0	.92 28.0
31. 0	ADsbL2	* 1504.0	3003.0	1610.0	2810.0	*	220.	151. AG	275.	3.0	.0	44.0	
32. 0	ADsbL2Q	* 1586.0	2854.0	1513.6	2985.2	*	150.	331. AG	139.	100.0	.0	24.0	.45 7.6
33. 0	ADsbD	* 1595.0	2795.0	1972.0	1867.0	*	1002.	158. AG	1885.	3.0	.0	44.0	
34. 0	193ebAP	* 683.0	2476.0	956.0	2578.0	*	291.	70. AG	2355.	3.7	.0	44.0	
35. 0	193ebAP	* 956.0	2578.0	1101.0	2645.0	*	160.	65. AG	2355.	3.7	.0	44.0	
36. 0	CMebTR	* 1101.0	2645.0	1270.0	2700.0	*	178.	72. AG	610.	3.7	.0	56.0	
37. 0	CMebTR	* 1270.0	2700.0	1462.0	2755.0	*	200.	74. AG	610.	3.7	.0	56.0	
38. 0	CMebTR	* 1462.0	2755.0	1634.0	2777.0	*	173.	83. AG	610.	3.7	.0	56.0	
39. 0	CMebTRq	* 1583.0	2770.0	1369.3	2743.3	*	215.	263. AG	202.	100.0	.0	36.0	.58 10.9
40. 0	CMebD1	* 1633.0	2776.0	1786.0	2777.0	*	153.	90. AG	520.	3.7	.0	44.0	
41. 0	CMebD2	* 1791.0	2777.0	2624.0	2738.0	*	834.	93. AG	770.	3.7	.0	44.0	
42. 0	CMwbAP	* 2626.0	2758.0	1593.0	2817.0	*	1035.	273. AG	1235.	3.7	.0	56.0	
43. 0	CMwbQ	* 1698.0	2811.0	2299.7	2776.7	*	603.	93. AG	193.	100.0	.0	36.0	1.02 30.6
44. 0	CMwbD	* 1594.0	2816.0	1417.0	2813.0	*	177.	269. AG	815.	3.7	.0	44.0	

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LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbD	* 1417.0	2813.0	1247.0	2780.0	*	173.	259. AG	815.	3.7	.0	44.0	
46. 0	CMwbD	* 1247.0	2780.0	1003.0	2670.0	*	268.	246. AG	815.	3.7	.0	44.0	
47. 0	193ebL	* 1024.0	2612.0	1210.0	2746.0	*	229.	54. AG	1745.	2.9	.0	44.0	
48. 0	193ebLQ	* 1173.0	2719.0	721.3	2394.6	*	556.	234. AG	75.	100.0	.0	24.0	.93 28.3
49. 0	193ebAP	* 1209.0	2746.0	1334.0	2872.0	*	177.	45. AG	1745.	2.9	.0	44.0	
50. 0	193ebTR	* 1337.0	2871.0	1473.0	3064.0	*	236.	35. AG	1620.	2.9	.0	44.0	
51. 0	193ebT	* 1436.0	3012.0	565.8	1783.0	*	1506.	215. AG	98.	100.0	.0	24.0	1.10 76.5
52. 0	193ebL	* 1324.0	2884.0	1460.0	3071.0	*	231.	36. AG	125.	2.9	.0	32.0	
53. 0	193ebL	* 1423.0	3021.0	1348.6	2918.7	*	126.	216. AG	64.	100.0	.0	12.0	.30 6.4
54. 0	193ebD	* 1474.0	3064.0	1547.0	3223.0	*	175.	25. AG	2500.	2.9	.0	44.0	
55. 0	193ebD	* 1547.0	3223.0	1719.0	3800.0	*	602.	17. AG	2500.	2.9	.0	44.0	
56. 0	193wbA	* 1621.0	3805.0	1555.0	3554.0	*	260.	195. AG	2050.	2.9	.0	68.0	
57. 0	193wbT	* 1546.0	3554.0	1431.0	3179.0	*	392.	197. AG	1215.	2.9	.0	44.0	
58. 0	193wbT	* 1455.0	3256.0	1710.0	4092.5	*	874.	17. AG	112.	100.0	.0	24.0	1.04 44.4
59. 0	193wbR	* 1525.0	3556.0	1451.0	3338.0	*	230.	199. AG	365.	2.9	.0	32.0	
60. 0	193wbR	* 1454.0	3346.0	1556.7	3652.6	*	323.	19. AG	56.	100.0	.0	12.0	.70 16.4
61. 0	193wbR	* 1451.0	3338.0	1379.0	3308.0	*	78.	247. AG	365.	2.9	.0	32.0	
62. 0	193wbL	* 1566.0	3543.0	1447.0	3155.0	*	406.	197. AG	470.	2.9	.0	44.0	
63. 0	193wbL	* 1472.0	3236.0	1634.2	3769.7	*	558.	17. AG	148.	100.0	.0	24.0	1.10 28.3
64. 0	193wbD	* 1432.0	3178.0	1295.0	2947.0	*	269.	211. AG	1405.	2.9	.0	44.0	
65. 0	193wbD	* 1295.0	2947.0	1112.0	2748.0	*	270.	223. AG	1405.	2.9	.0	44.0	
66. 0	193wbQ	* 1154.0	2794.0	1458.6	3126.0	*	451.	43. AG	75.	100.0	.0	24.0	.92 22.9
67. 0	193wbD1	* 1111.0	2747.0	1005.0	2671.0	*	130.	234. AG	1405.	2.9	.0	44.0	
68. 0	193wbD1	* 1005.0	2671.0	850.0	2582.0	*	179.	240. AG	2220.	2.9	.0	44.0	
69. 0	193wbD1	* 850.0	2582.0	673.0	2513.0	*	190.	249. AG	2220.	2.9	.0	44.0	

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* * *	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. 0	ADnbTQ	248	158	2.0	1765	1695	32.10	1	3
5. 0	ADnbRQ	248	158	2.0	250	1583	32.10	1	3
9. 0	ADnbLQ	248	214	2.0	250	1770	32.10	1	3
12. 0	ADnbT2Q	248	172	2.0	1465	1695	32.10	1	3
20. 0	ADsbTQ	248	146	2.0	1105	1695	32.10	1	3
22. 0	ADsbRQ	248	146	2.0	195	1583	32.10	1	3
27. 0	ADsbLQ	248	214	2.0	135	1770	32.10	1	3
30. 0	ADsbT2Q	248	145	2.0	1295	1770	32.10	1	3
32. 0	ADsbL2Q	248	200	2.0	275	1717	32.10	1	3
39. 0	CMebTRq	248	194	2.0	610	1739	32.10	1	3
43. 0	CMwbQ	248	185	2.0	1235	1691	32.10	1	3
48. 0	193ebLQ	248	108	2.0	1745	1717	32.10	1	3
51. 0	193ebT	248	141	2.0	1620	1770	32.10	1	3
53. 0	193ebL	248	185	2.0	125	1770	32.10	1	3
58. 0	193wbT	248	162	2.0	1215	1770	32.10	1	3
60. 0	193wbR	248	162	2.0	365	1583	32.10	1	3
63. 0	193wbL	248	213	2.0	470	1717	32.10	1	3
66. 0	193wbQ	248	108	2.0	1405	1394	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
1. SE MID S	*	1807.0	2472.0	5.0	*
2. SE 164 S	*	1777.0	2550.0	5.0	*
3. SE 82 S	*	1748.0	2626.0	5.0	*
4. SE CNR	*	1744.0	2727.0	5.0	*
5. SE 82 E	*	1841.0	2753.0	5.0	*
6. SE 164 E	*	1923.0	2749.0	5.0	*
7. SE MID E	*	2005.0	2746.0	5.0	*
8. NE MID E	*	1900.0	2822.0	5.0	*
9. NE 164 E	*	1818.0	2830.0	5.0	*
10. NE 82 E	*	1736.0	2835.0	5.0	*
11. NE CNR	*	1659.0	2853.0	5.0	*
12. NE 82 N	*	1632.0	2920.0	5.0	*
13. NE 164 N	*	1599.0	2996.0	5.0	*
14. NE MID N	*	1574.0	3075.0	5.0	*
15. NW MID N	*	1211.0	3354.0	5.0	*
16. NW 164 N	*	1254.0	3283.0	5.0	*
17. NW 82 N	*	1294.0	3212.0	5.0	*
18. NW CNR	*	1303.0	3104.0	5.0	*
19. NW 82 W	*	1275.0	3005.0	5.0	*
20. NW 164 W	*	1231.0	2935.0	5.0	*
21. NW MID W	*	1180.0	2872.0	5.0	*
22. SW MID W	*	1347.0	2691.0	5.0	*
23. SW 164 W	*	1427.0	2712.0	5.0	*
24. SW 82 W	*	1510.0	2728.0	5.0	*
25. SW CNR	*	1592.0	2741.0	5.0	*
26. SW 82 S	*	1623.0	2669.0	5.0	*
27. SW 164 S	*	1655.0	2594.0	5.0	*

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RECEPTOR LOCATIONS

RECEPTOR	* * *	X	Y	Z	* * *
28. SW MID S	*	1686.0	2517.0	5.0	*

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.2	.6	1.1	.4	.6	.6	.6	.0	.0	.0	.1	.3	.3	.5	.6	.7	.8	.5	.2	.1
5. *	.2	.5	1.1	.4	.6	.6	.6	.0	.0	.0	.1	.0	.3	.5	.5	.7	1.0	.5	.2	.2
10. *	.2	.5	1.0	.4	.6	.6	.6	.0	.0	.0	.1	.0	.1	.4	.5	.8	1.0	.5	.3	.2

15. \* .1 .4 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .1 .6 .8 1.0 .7 .4 .2  
20. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .1 .6 .7 1.0 .8 .5 .5  
25. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 .7 1.0 .7 .5 .5  
30. \* .1 .3 .9 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 .8 1.0 .7 .5 .5  
35. \* .1 .2 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .7 1.0 1.0 .7 .6 .5  
40. \* .1 .2 .8 .4 .6 .6 .6 .0 .0 .0 .0 .0 .0 .8 1.0 1.0 .7 .6 .4  
45. \* .1 .1 .8 .4 .6 .6 .7 .0 .0 .0 .0 .0 .0 .9 1.0 1.1 .7 .3 .3  
50. \* .1 .1 .8 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .7 .3 .3  
55. \* .1 .1 .9 .4 .7 .7 .7 .0 .0 .0 .0 .0 .0 .9 1.1 1.1 .4 .3 .4  
60. \* .1 .1 .9 .5 .7 .7 .7 .1 .0 .0 .0 .0 .0 .9 1.1 1.1 .2 .4 .4  
65. \* .0 .1 .9 .5 .7 .7 .7 .2 .0 .0 .0 .0 .0 .1 1.0 1.1 .3 .4 .5  
70. \* .0 .1 .7 .5 .7 .7 .7 .2 .2 .2 .0 .0 .0 .1 1.0 1.2 1.1 .3 .4 .7  
75. \* .0 .0 .7 .5 .8 .9 .8 .3 .2 .2 .1 .0 .0 .0 .9 1.2 1.0 .4 .5 .8  
80. \* .0 .0 .7 .5 .7 .7 .7 .4 .3 .3 .1 .0 .0 .0 .9 1.2 .9 .4 .5 .7  
85. \* .0 .0 .6 .4 .7 .7 .6 .6 .6 .3 .0 .0 .0 .0 .9 1.2 .9 .5 .5 .7  
90. \* .0 .0 .6 .4 .6 .6 .5 .8 .7 .7 .4 .1 .0 .0 .9 1.2 .8 .5 .6 .9  
95. \* .0 .0 .7 .1 .4 .4 .4 1.2 .9 1.0 .5 .1 .0 .0 .1 1.1 .7 .5 .7 1.0  
100. \* .0 .0 .7 .1 .3 .3 .3 1.3 1.1 1.2 .7 .3 .1 .0 .1 1.2 1.1 .7 .5 .8 .7  
105. \* .0 .0 .7 .0 .2 .2 .2 1.3 1.2 1.3 .7 .3 .1 .0 .1 1.2 1.0 .8 .7 .9 .6  
110. \* .0 .0 .7 .0 .1 .1 .1 1.4 1.2 1.2 .8 .4 .1 .1 1.2 1.0 .8 .7 1.0 .7  
115. \* .0 .0 .8 .0 .0 .0 .0 1.2 1.1 1.1 .8 .4 .3 .1 1.0 1.1 .8 .7 1.0 .8  
120. \* .0 .0 .8 .0 .0 .0 .0 1.2 1.1 1.1 .8 .4 .3 .1 1.2 1.2 .7 .8 .6 .7  
125. \* .0 .0 .8 .0 .0 .0 .0 1.1 1.1 1.1 .7 .4 .3 .1 1.3 1.1 .7 .8 .7 .7  
130. \* .0 .0 .8 .0 .0 .0 .0 1.1 1.0 .9 .7 .4 .3 .1 1.3 1.0 .7 .9 .8 .6  
135. \* .0 .0 .7 .0 .0 .0 .0 1.1 1.0 .9 .7 .4 .4 .1 .9 .9 .8 .6 .7 .7  
140. \* .1 .0 .7 .1 .0 .0 .0 1.0 1.0 .9 .7 .5 .2 .2 .8 .8 .5 .7 .5 .7  
145. \* .2 .2 1.0 .1 .0 .0 .0 1.0 .9 .8 1.0 .7 .5 .2 .7 .6 .4 .6 .5 .6  
150. \* .3 .4 1.2 .4 .0 .0 .0 1.0 .9 .8 1.3 .9 .7 .5 .6 .4 .5 .4 .6 .6  
155. \* .6 .6 1.2 .5 .0 .0 .0 .9 .8 1.0 1.6 1.3 1.1 .8 .3 .1 .5 .4 .4 .5  
160. \* .9 1.1 1.6 .7 .1 .0 .0 .8 .8 1.0 1.9 1.7 1.4 .9 .0 .0 .3 .4 .4 .5  
165. \* 1.1 1.2 1.6 1.0 .1 .0 .0 .8 1.0 1.2 1.9 1.7 1.5 1.1 .0 .1 .3 .4 .2 .5  
170. \* 1.3 1.3 1.7 1.3 .2 .1 .0 .9 1.0 1.5 2.0 1.6 1.4 1.2 .0 .1 .2 .4 .3 .5  
175. \* 1.3 1.4 1.7 1.4 .2 .1 .1 1.0 1.0 1.5 1.9 1.7 1.5 1.2 .1 .1 .2 .3 .3 .5  
180. \* 1.3 1.4 1.6 1.4 .2 .2 .1 1.0 1.3 1.6 1.7 1.5 1.6 1.0 .1 .1 .2 .3 .3 .4  
185. \* 1.2 1.4 1.5 1.4 .4 .2 .1 1.0 1.5 1.6 1.6 1.3 1.2 1.0 .1 .1 .2 .2 .3 .4  
190. \* 1.2 1.3 1.4 1.4 .6 .2 .2 1.0 1.4 1.6 1.6 1.3 1.2 1.1 .1 .1 .2 .2 .3 .4  
195. \* 1.1 1.3 1.4 1.3 .6 .2 .2 .9 1.2 1.6 1.4 1.2 1.3 1.1 .0 .1 .1 .2 .3 .4  
200. \* 1.2 1.3 1.4 1.3 .5 .1 .2 1.1 1.3 1.6 1.3 1.1 1.4 1.1 .0 .1 .1 .2 .3 .4  
205. \* 1.2 1.3 1.3 1.2 .5 .2 .2 1.1 1.2 1.4 1.2 1.1 1.5 1.0 .0 .0 .1 .2 .3 .4

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210. \* 1.0 1.2 1.3 1.2 .5 .2 .1 1.2 1.1 1.2 1.2 1.2 1.5 1.1 .0 .0 .0 .1 .3 .4  
215. \* 1.0 1.2 1.3 1.2 .5 .3 .1 1.2 1.2 1.3 1.3 1.2 1.4 1.1 .0 .0 .0 .0 .4 .4  
220. \* .9 1.1 1.2 1.2 .5 .3 .1 1.3 1.2 1.3 1.4 1.2 1.4 1.0 .0 .0 .0 .0 .1 .3  
225. \* .9 1.1 1.1 1.2 .5 .3 .2 1.3 1.3 1.3 1.3 1.4 1.4 1.1 .0 .0 .0 .0 .0 .0  
230. \* .9 1.1 1.0 1.2 .4 .3 .2 1.3 1.3 1.3 1.3 1.5 1.3 1.1 .0 .0 .0 .0 .0 .0  
235. \* .9 1.1 1.0 1.2 .4 .3 .3 1.4 1.3 1.3 1.4 1.4 1.3 1.1 .0 .0 .0 .0 .0 .0  
240. \* .9 1.1 1.0 1.2 .4 .3 .3 1.4 1.4 1.2 1.4 1.4 1.3 1.2 .0 .0 .0 .0 .0 .0  
245. \* 1.1 1.1 1.0 1.2 .4 .3 .3 1.3 1.4 1.4 1.3 1.4 1.4 1.2 .0 .0 .0 .0 .0 .0  
250. \* 1.1 1.1 1.1 1.2 .4 .3 .3 1.4 1.3 1.3 1.5 1.3 1.1 1.1 .0 .0 .0 .0 .0 .0  
255. \* 1.0 1.1 1.1 1.2 .5 .3 .3 1.4 1.2 1.3 1.5 1.3 1.1 1.0 .0 .0 .0 .0 .0 .0  
260. \* 1.0 1.1 1.1 1.2 .5 .4 .5 1.2 1.2 1.1 1.5 1.3 1.1 .9 .0 .0 .0 .0 .0 .0  
265. \* 1.0 1.1 1.1 1.1 .5 .6 .6 1.2 1.1 1.0 1.4 1.3 1.2 .9 .0 .0 .0 .0 .0 .0  
270. \* 1.0 1.1 1.1 1.2 .7 .6 .6 1.2 1.0 1.0 1.3 1.3 1.3 .8 .0 .0 .0 .0 .0 .0  
275. \* 1.0 1.1 1.1 1.2 .7 .8 .6 1.0 .9 .9 1.3 1.3 1.0 .7 .0 .0 .0 .0 .0 .0  
280. \* 1.1 1.2 1.2 1.1 .7 .7 .7 .8 .7 .8 1.6 1.4 1.2 .7 .0 .0 .0 .0 .0 .0  
285. \* 1.1 1.2 1.4 1.1 .8 .8 .7 .6 .7 .8 1.6 1.4 1.2 .7 .0 .0 .0 .0 .0 .0  
290. \* 1.3 1.4 1.5 1.0 .8 .9 .7 .6 .7 .8 1.5 1.2 1.3 .6 .0 .0 .0 .0 .0 .0  
295. \* 1.3 1.4 1.5 .9 .9 .8 .8 .4 .6 .7 1.6 1.2 1.3 .7 .0 .0 .0 .0 .0 .0  
300. \* 1.4 1.4 1.6 1.1 1.1 .9 .8 .4 .4 .7 1.6 1.2 1.2 .7 .0 .0 .0 .0 .0 .0  
305. \* 1.4 1.5 1.6 1.1 1.0 .9 .8 .2 .2 .6 1.6 1.2 1.2 .6 .0 .0 .0 .0 .0 .0  
310. \* 1.5 1.5 1.7 1.1 1.0 .8 .7 .1 .2 .7 1.7 1.3 1.2 .7 .0 .0 .0 .0 .0 .0  
315. \* 1.6 1.7 1.9 1.2 .9 .8 .7 .0 .2 .6 1.7 1.3 1.2 .8 .0 .0 .0 .0 .0 .0  
320. \* 1.6 1.8 2.0 1.1 .7 .6 .7 .0 .1 .6 1.7 1.3 1.0 .7 .0 .1 .1 .0 .0 .0  
325. \* 1.7 1.8 2.0 1.0 .7 .6 .6 .0 .0 .3 1.6 1.2 1.0 .7 .0 .2 .2 .0 .0 .0  
330. \* 1.5 1.5 1.8 .8 .6 .6 .6 .0 .1 .1 1.3 .7 .7 .6 .1 .3 .4 .0 .0 .0  
335. \* 1.2 1.3 1.8 .7 .6 .6 .6 .0 .1 .1 1.0 .7 .7 .6 .3 .4 .4 .1 .0 .0  
340. \* .9 1.5 1.6 .6 .6 .6 .6 .0 .1 .1 .7 .6 .6 .5 .4 .5 .6 .1 .0 .0  
345. \* 1.0 1.1 1.6 .5 .6 .6 .6 .0 .0 .2 .6 .4 .4 .5 .4 .7 .6 .2 .1 .0  
350. \* .7 .9 1.3 .5 .6 .6 .6 .0 .0 .2 .5 .3 .4 .6 .5 .7 .6 .3 .1 .0  
355. \* .4 .8 1.1 .4 .6 .6 .6 .0 .0 .0 .3 .4 .6 .5 .7 .8 .5 .2 .1 .0  
360. \* .2 .6 1.1 .4 .6 .6 .6 .0 .0 .0 .1 .3 .3 .5 .6 .7 .8 .5 .2 .1 .0

MAX \* 1.7 1.8 2.0 1.4 1.1 .9 .8 1.4 1.5 1.6 2.0 1.7 1.6 1.2 1.3 1.2 1.1 .9 1.0 1.0  
DEGR. \* 325 325 320 175 300 75 75 235 185 180 170 160 180 240 125 70 45 130 110 95

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JOB: PurpleLine S11 HighLRT 2030PM

RUN: PurpleLine S11 HighLRT 2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.3	.8	1.2	1.4	.7	1.1	1.2
5.	*	.1	.4	.9	1.2	1.1	.7	1.1	1.2
10.	*	.2	.6	1.0	1.2	1.0	.9	1.2	1.2
15.	*	.2	.6	.9	1.2	.9	1.1	1.2	1.2
20.	*	.3	.6	.9	1.3	.9	1.2	1.1	1.1
25.	*	.4	.5	.9	1.3	1.0	1.0	1.1	1.2
30.	*	.3	.6	1.0	1.1	.9	1.1	1.1	1.2
35.	*	.4	.6	1.0	1.1	.8	1.1	1.1	1.2
40.	*	.3	.8	1.0	1.0	.9	1.2	1.2	1.2
45.	*	.4	.8	.9	.9	.9	1.3	1.2	1.1
50.	*	.5	.7	.8	1.0	1.0	1.3	1.2	1.1
55.	*	.4	.7	.7	1.1	.9	1.3	1.2	1.1
60.	*	.5	.7	.9	1.2	.9	1.3	1.3	1.1
65.	*	.6	.7	.9	1.2	1.0	1.3	1.2	1.1
70.	*	.6	.7	.7	1.1	1.0	1.3	1.2	1.0
75.	*	.5	.7	.8	1.0	1.0	1.3	1.2	.9
80.	*	.5	.5	.7	.9	1.1	1.3	1.2	.9
85.	*	.6	.5	.8	.9	1.1	1.1	1.1	.9
90.	*	.6	.5	.6	.9	1.1	1.1	1.0	.9
95.	*	.7	.4	.6	.6	1.2	1.0	1.0	.9
100.	*	.8	.3	.4	.6	1.1	1.0	1.0	.8
105.	*	.8	.3	.4	.6	1.0	1.0	1.0	.8
110.	*	.8	.2	.4	.6	1.1	1.1	.9	.8
115.	*	.8	.2	.3	.6	1.0	1.1	.9	.8
120.	*	.7	.1	.3	.6	1.0	1.0	1.1	1.0
125.	*	.7	.1	.3	.6	1.1	1.2	1.0	1.2
130.	*	.7	.2	.3	.5	1.2	1.3	1.2	1.2
135.	*	.6	.2	.3	.6	1.1	1.2	1.2	1.2
140.	*	.5	.1	.3	.6	1.3	1.2	1.2	1.1
145.	*	.5	.0	.2	.4	1.0	1.1	1.0	1.1
150.	*	.5	.0	.1	.3	1.0	.9	.9	1.0
155.	*	.5	.0	.0	.3	.8	.8	.8	.8
160.	*	.4	.0	.0	.0	.8	.8	.8	.6
165.	*	.4	.0	.0	.0	.5	.5	.5	.5
170.	*	.4	.0	.0	.0	.2	.3	.3	.2
175.	*	.4	.0	.0	.0	.1	.1	.1	.1
180.	*	.5	.0	.0	.0	.1	.1	.1	.1
185.	*	.5	.0	.0	.0	.0	.1	.1	.1
190.	*	.5	.0	.0	.0	.0	.0	.0	.0
195.	*	.5	.0	.0	.0	.0	.0	.0	.0
200.	*	.5	.0	.0	.0	.0	.0	.0	.0
205.	*	.5	.0	.0	.0	.0	.0	.0	.0

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JOB: PurpleLine S11 HighLRT 2030PM

RUN: PurpleLine S11 HighLRT 2030PM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.0	.0	.0	.0
215.	*	.3	.1	.0	.0	.0	.0	.0	.0
220.	*	.2	.1	.1	.0	.0	.0	.0	.0
225.	*	.1	.1	.1	.1	.0	.0	.0	.0
230.	*	.0	.1	.1	.1	.1	.0	.0	.0
235.	*	.0	.1	.1	.1	.1	.0	.0	.0
240.	*	.0	.1	.1	.1	.1	.1	.0	.0
245.	*	.0	.2	.1	.1	.2	.1	.0	.0
250.	*	.0	.2	.2	.2	.2	.1	.0	.0
255.	*	.0	.2	.3	.2	.3	.1	.0	.0
260.	*	.0	.2	.3	.3	.4	.1	.0	.0
265.	*	.0	.4	.3	.5	.6	.1	.0	.0
270.	*	.0	.4	.2	.5	.7	.1	.0	.0
275.	*	.0	.4	.3	.6	.8	.2	.0	.0
280.	*	.0	.2	.3	.7	.9	.1	.0	.0
285.	*	.0	.2	.4	.7	.9	.2	.0	.0
290.	*	.0	.2	.4	.7	.9	.2	.1	.0
295.	*	.0	.2	.5	.7	.9	.2	.1	.0
300.	*	.0	.2	.5	.7	.8	.2	.1	.1
305.	*	.0	.2	.6	.8	.8	.3	.1	.1
310.	*	.0	.3	.6	.8	.9	.3	.3	.2
315.	*	.0	.3	.7	.8	.7	.3	.3	.2
320.	*	.0	.3	.7	.8	.8	.4	.2	.2
325.	*	.0	.4	.7	.8	.9	.4	.3	.2
330.	*	.0	.4	.7	.7	.9	.5	.5	.5
335.	*	.0	.4	.7	.8	1.2	.7	.5	.7
340.	*	.0	.3	.7	.9	1.3	.7	.9	.9
345.	*	.0	.3	.8	.8	1.3	.8	1.2	1.0
350.	*	.0	.3	.9	.8	1.2	.9	1.0	1.1
355.	*	.0	.3	.9	1.0	1.4	.8	1.0	1.1
360.	*	.0	.3	.8	1.2	1.4	.7	1.1	1.2
MAX	*	.8	.8	1.0	1.3	1.4	1.3	1.3	1.2
DEGR.	*	100	40	10	20	0	45	60	0

THE HIGHEST CONCENTRATION IS 2.00 PPM AT 320 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 2.00 PPM AT 170 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS 1.80 PPM AT 325 DEGREES FROM REC2 .

Site 12

MD 201 at MD 410

2015

S12 MD410&201 EXAM				60.0321.0.0000.000360.30480000	1	1					
SE COR		1217.	802.	5.0							
SE 82E		1266.	808.	5.0							
SE 164E		1348.	792.	5.0							
SE 256E		1439.	774.	5.0							
SE MIDE		1701.	721.	5.0							
SE 82S		1189.	744.	5.0							
SE 164S		1189.	662.	5.0							
SE 256S		1189.	574.	5.0							
SE MIDS		1098.	233.	5.0							
NE COR		1229.	958.	5.0							
NE 82E		1290.	923.	5.0							
NE 164E		1368.	903.	5.0							
NE 256E		1449.	884.	5.0							
NE MIDE		1727.	839.	5.0							
NE 82N		1217.	1017.	5.0							
NE 164N		1228.	1094.	5.0							
NE 256N		1241.	1181.	5.0							
NE MIDN		1280.	1355.	5.0							
SW COR		1073.	842.	5.0							
SW 82W		1014.	883.	5.0							
SW 164W		931.	907.	5.0							
SW 256W		849.	931.	5.0							
SW MIDW		564.	1020.	5.0							
SW 82S		1093.	794.	5.0							
SW 164S		1093.	680.	5.0							
SW 256S		1093.	621.	5.0							
SW MIDS		1027.	317.	5.0							
NW COR		1084.	1013.	5.0							
NW 82N		1117.	1065.	5.0							
NW 164N		1134.	1139.	5.0							
NW 256N		1149.	1230.	5.0							
NW MIDN		1178.	1380.	5.0							
NW 82W		1027.	998.	5.0							
NW 164W		953.	1015.	5.0							
NW 256W		849.	1044.	5.0							
NW MIDW		567.	1110.	5.0							
S12 MD410&201 EXAM			57	1	0						
1											
EBL	MD410	AG	1157.	902.	660.	1035.	275	6.4	0.	44	42
2											
EBL	MD410	AG	1074.	924.	894.	972.	0.	24	2		
	180	156	2.0	275	65.9	1717	1	3			
1											
EBT	MD410	AG	1155.	879.	656.	1020.	765	6.4	0.	44	42
2											
EBT	MD410	AG	1069.	903.	832.	970.	0.	24	2		
	180	110	2.0	765	65.9	1770	1	3			
1											
EBR	MD410	AG	1117.	791.	1082.	863.	290	6.4	0.	32	42
1											
EBR	MD410	AG	1082.	863.	1029.	898.	290	6.4	0.	32	42
1											
EBR	MD410	AG	1029.	898.	859.	946.	290	6.4	0.	32	42
2											
EBR	MD410	AG	1007.	904.	899.	934.	0.	12	1		
	180	110	2.0	290	65.9	1583	1	3			
1											
EBR	MD410	AG	859.	946.	655.	1011.	290	6.4	0.	32	42
1											
EBALL	MD410	AG	654.	1022.	183.	1153.	1330	6.4	0.	44	42
1											
EBDP	MD410	AG	2140.	728.	1906.	735.	895	6.4	0.	56	42
1											
EBDP	MD410	AG	1906.	735.	1616.	769.	895	6.4	0.	56	42
1											
EBDP	MD410	AG	1616.	769.	1339.	822.	895	6.4	0.	56	42
1											
EBDP	MD410	AG	1339.	822.	1155.	879.	895	6.4	0.	56	42
1											
WBL	MD410	AG	1158.	898.	1371.	844.	40	6.1	0.	32	38
2											
WBL	MD410	AG	1220.	882.	1334.	853.	0.	12	1		
	180	165	2.0	40	65.9	1770	1	3			
1											
WBL	MD410	AG	1371.	844.	1565.	809.	40	6.1	0.	32	38
1											
WBT	MD410	AG	1157.	927.	1456.	842.	1340	6.1	0.	44	38
2											
WBT	MD410	AG	1213.	911.	1357.	870.	0.	24	2		
	180	119	2.0	1340	65.9	1770	1	3			
1											
WBT	MD410	AG	1456.	842.	1568.	823.	1340	6.1	0.	44	38
1											
WBR	MD410	AG	1183.	1004.	1223.	933.	440	6.1	0.	32	38
1											
WBR	MD410	AG	1223.	933.	1269.	910.	440	6.1	0.	32	38
1											
WBR	MD410	AG	1269.	910.	1429.	867.	440	6.1	0.	32	38
1											
WBR	MD410	AG	1429.	867.	1570.	838.	440	6.1	0.	32	38
1											
WBALL	MD410	AG	1570.	826.	1837.	793.	1820	6.1	0.	56	38
1											
WBALL	MD410	AG	1837.	793.	2147.	777.	1820	6.1	0.	56	38



[illegible]

JOB: S12 MD410&201 EXAM  
DATE: 01/11/2008 TIME: 11:38:05.19

RUN: S12 MD410&201 EXAM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	1157.0	902.0	660.0	1035.0	*	514.	285. AG	275.	6.4	.0	44.0		
2. EBL	MD410	*	1074.0	924.0	956.2	955.4	*	122.	285. AG	306.	100.0	.0	24.0	.72	6.2
3. EBT	MD410	*	1155.0	879.0	656.0	1020.0	*	519.	286. AG	765.	6.4	.0	44.0		
4. EBT	MD410	*	1069.0	903.0	847.9	965.5	*	230.	286. AG	216.	100.0	.0	24.0	.59	11.7
5. EBR	MD410	*	1117.0	791.0	1082.0	863.0	*	80.	334. AG	290.	6.4	.0	32.0		
6. EBR	MD410	*	1082.0	863.0	1029.0	898.0	*	64.	303. AG	290.	6.4	.0	32.0		
7. EBR	MD410	*	1029.0	898.0	859.0	946.0	*	177.	286. AG	290.	6.4	.0	32.0		
8. EBR	MD410	*	1007.0	904.0	838.9	950.7	*	174.	286. AG	108.	100.0	.0	12.0	.50	8.9
9. EBR	MD410	*	859.0	946.0	655.0	1011.0	*	214.	288. AG	290.	6.4	.0	32.0		
10. EBALL	MD410	*	654.0	1022.0	183.0	1153.0	*	489.	286. AG	1330.	6.4	.0	44.0		
11. EBDP	MD410	*	2140.0	728.0	1906.0	735.0	*	234.	272. AG	895.	6.4	.0	56.0		
12. EBDP	MD410	*	1906.0	735.0	1616.0	769.0	*	292.	277. AG	895.	6.4	.0	56.0		
13. EBDP	MD410	*	1616.0	769.0	1339.0	822.0	*	282.	281. AG	895.	6.4	.0	56.0		
14. EBDP	MD410	*	1339.0	822.0	1155.0	879.0	*	193.	287. AG	895.	6.4	.0	56.0		
15. WBL	MD410	*	1158.0	898.0	1371.0	844.0	*	220.	104. AG	40.	6.1	.0	32.0		
16. WBL	MD410	*	1220.0	882.0	1255.0	873.1	*	36.	104. AG	162.	100.0	.0	12.0	.37	1.8
17. WBL	MD410	*	1371.0	844.0	1565.0	809.0	*	197.	100. AG	40.	6.1	.0	32.0		
18. WBT	MD410	*	1157.0	927.0	1456.0	842.0	*	311.	106. AG	1340.	6.1	.0	44.0		
19. WBT	MD410	*	1213.0	911.0	2805.0	457.7	*	1655.	106. AG	234.	100.0	.0	24.0	1.20	84.1
20. WBT	MD410	*	1456.0	842.0	1568.0	823.0	*	114.	100. AG	1340.	6.1	.0	44.0		
21. WBR	MD410	*	1183.0	1004.0	1223.0	933.0	*	81.	151. AG	440.	6.1	.0	32.0		
22. WBR	MD410	*	1223.0	933.0	1269.0	910.0	*	51.	117. AG	440.	6.1	.0	32.0		
23. WBR	MD410	*	1269.0	910.0	1429.0	867.0	*	166.	105. AG	440.	6.1	.0	32.0		
24. WBR	MD410	*	1429.0	867.0	1570.0	838.0	*	144.	102. AG	440.	6.1	.0	32.0		
25. WBALL	MD410	*	1570.0	826.0	1837.0	793.0	*	269.	97. AG	1820.	6.1	.0	56.0		
26. WBALL	MD410	*	1837.0	793.0	2147.0	777.0	*	310.	93. AG	1820.	6.1	.0	56.0		
27. WBDP	MD410	*	197.0	1189.0	733.0	1045.0	*	555.	105. AG	1930.	6.1	.0	44.0		
28. WBDP	MD410	*	733.0	1045.0	1157.0	929.0	*	440.	105. AG	1930.	6.1	.0	44.0		
29. NBR	MD201	*	1276.0	839.0	1214.0	827.0	*	63.	259. AG	30.	5.8	.0	32.0		
30. NBR	MD201	*	1214.0	827.0	1170.0	793.0	*	56.	232. AG	30.	5.8	.0	32.0		
31. NBL	MD201	*	1149.0	910.0	1141.0	612.0	*	298.	182. AG	325.	5.8	.0	44.0		
32. NBL	MD201	*	1147.0	822.0	1142.6	670.9	*	151.	182. AG	304.	100.0	.0	24.0	.81	7.7
33. NBT&R	MD201	*	1173.0	916.0	1162.0	599.0	*	317.	182. AG	745.	5.8	.0	44.0		
34. NBT&R	MD201	*	1170.0	823.0	1162.7	625.8	*	197.	182. AG	191.	100.0	.0	24.0	.48	10.0
35. NBALL	MD201	*	1156.0	599.0	1150.0	473.0	*	126.	183. AG	1070.	5.8	.0	56.0		
36. NBALL	MD201	*	1150.0	473.0	1120.0	348.0	*	129.	193. AG	1070.	5.8	.0	56.0		
37. NBALL	MD201	*	1120.0	348.0	1041.0	193.0	*	174.	207. AG	1070.	5.8	.0	56.0		
38. NBALL	MD201	*	1041.0	193.0	861.0	-52.0	*	304.	216. AG	1070.	5.8	.0	44.0		
39. NBDP	MD201	*	1372.0	1882.0	1286.0	1563.0	*	330.	195. AG	1430.	5.8	.0	56.0		
40. NBDP	MD201	*	1286.0	1563.0	1213.0	1203.0	*	367.	191. AG	1430.	5.8	.0	44.0		
41. NBDP	MD201	*	1213.0	1203.0	1170.0	919.0	*	287.	189. AG	1430.	5.8	.0	44.0		
42. SBL	MD201	*	1144.0	917.0	1180.0	1142.0	*	228.	9. AG	100.	6.1	.0	32.0		
43. SBL	MD201	*	1155.0	981.0	1168.5	1066.3	*	86.	9. AG	155.	100.0	.0	12.0	.57	4.4
44. SBT	MD201	*	1127.0	905.0	1167.0	1150.0	*	248.	9. AG	1450.	6.1	.0	44.0		

JOB: S12 MD410&201 EXAM  
DATE: 01/11/2008 TIME: 11:38:05.19

RUN: S12 MD410&201 EXAM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD201	*	1140.0	980.0	1217.9	1462.2	*	488.	9. AG	196.	100.0	.0	24.0	.97	24.8
46. SBR	MD201	*	1070.0	980.0	1127.0	1030.0	*	76.	49. AG	265.	6.1	.0	32.0		
47. SBR	MD201	*	1127.0	1030.0	1153.0	1151.0	*	124.	12. AG	265.	6.1	.0	25.0		
48. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	265.	6.1	.0	32.0		
49. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	265.	6.1	.0	32.0		
50. SBALL	MD201	*	1160.0	1154.0	1232.0	1516.0	*	369.	11. AG	1815.	6.1	.0	56.0		
51. SBALL	MD201	*	1232.0	1516.0	1331.0	1894.0	*	391.	15. AG	1815.	6.1	.0	56.0		
52. SBDP	MD201	*	813.0	-33.0	1016.0	226.0	*	329.	38. AG	1780.	6.1	.0	44.0		
53. SBDP	MD201	*	1016.0	226.0	1095.0	405.0	*	196.	24. AG	1780.	6.1	.0	44.0		
54. SBDP	MD201	*	1095.0	405.0	1122.0	589.0	*	186.	8. AG	1780.	6.1	.0	44.0		
55. SBDP	MD201	*	1120.0	590.0	1120.0	911.0	*	321.	360. AG	1780.	6.1	.0	44.0		
56. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	265.	6.1	.0	32.0		
57. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	265.	6.1	.0	32.0		

JOB: S12 MD410&201 EXAM  
DATE: 01/11/2008 TIME: 11:38:05.19

RUN: S12 MD410&201 EXAM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	180	156	2.0	275	1717	65.90	1	3

4. EBT	MD410	*	180	110	2.0	765	1770	65.90	1	3
8. EBR	MD410	*	180	110	2.0	290	1583	65.90	1	3
16. WBL	MD410	*	180	165	2.0	40	1770	65.90	1	3
19. WBT	MD410	*	180	119	2.0	1340	1770	65.90	1	3
32. NBL	MD201	*	180	155	2.0	325	1717	65.90	1	3
34. NBT&R	MD201	*	180	97	2.0	745	1770	65.90	1	3
43. SBL	MD201	*	180	158	2.0	100	1770	65.90	1	3
45. SBT	MD201	*	180	100	2.0	1450	1770	65.90	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1217.0	802.0	5.0	*
2. SE 82E	*	1266.0	808.0	5.0	*
3. SE 164E	*	1348.0	792.0	5.0	*
4. SE 256E	*	1439.0	774.0	5.0	*
5. SE MIDE	*	1701.0	721.0	5.0	*
6. SE 82S	*	1189.0	744.0	5.0	*
7. SE 164S	*	1189.0	662.0	5.0	*
8. SE 256S	*	1189.0	574.0	5.0	*
9. SE MIDS	*	1098.0	233.0	5.0	*
10. NE COR	*	1229.0	958.0	5.0	*
11. NE 82E	*	1290.0	923.0	5.0	*
12. NE 164E	*	1368.0	903.0	5.0	*
13. NE 256E	*	1449.0	884.0	5.0	*
14. NE MIDE	*	1727.0	839.0	5.0	*
15. NE 82N	*	1217.0	1017.0	5.0	*
16. NE 164N	*	1228.0	1094.0	5.0	*
17. NE 256N	*	1241.0	1181.0	5.0	*
18. NE MIDN	*	1280.0	1355.0	5.0	*
19. SW COR	*	1073.0	842.0	5.0	*
20. SW 82W	*	1014.0	883.0	5.0	*
21. SW 164W	*	931.0	907.0	5.0	*
22. SW 256W	*	849.0	931.0	5.0	*
23. SW MIDW	*	564.0	1020.0	5.0	*
24. SW 82S	*	1093.0	794.0	5.0	*
25. SW 164S	*	1093.0	680.0	5.0	*
26. SW 256S	*	1093.0	621.0	5.0	*
27. SW MIDS	*	1027.0	317.0	5.0	*
28. NW COR	*	1084.0	1013.0	5.0	*
29. NW 82N	*	1117.0	1065.0	5.0	*
30. NW 164N	*	1134.0	1139.0	5.0	*
31. NW 256N	*	1149.0	1230.0	5.0	*
32. NW MIDN	*	1178.0	1380.0	5.0	*
33. NW 82W	*	1027.0	998.0	5.0	*
34. NW 164W	*	953.0	1015.0	5.0	*
35. NW 256W	*	849.0	1044.0	5.0	*
36. NW MIDW	*	567.0	1110.0	5.0	*

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JOB: S12 MD410&201 EXAM

RUN: S12 MD410&201 EXAM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.8	.9	.6	.6	.8	1.2	1.1	.8	.7	.5	.3	.0	.0	.0	.6	.8	.7	.4	.8	1.5
5. *	.8	.7	.6	.6	.8	1.0	.7	.6	.8	.4	.0	.0	.0	.0	.6	.5	.6	.4	1.0	1.4
10. *	.7	.6	.6	.7	.8	.7	.6	.6	.7	.4	.0	.0	.0	.0	.4	.5	.5	.3	.9	1.5
15. *	.5	.6	.6	.7	.8	.6	.6	.2	.4	.0	.0	.0	.0	.0	.4	.4	.3	.3	1.1	1.6
20. *	.5	.6	.6	.7	.8	.4	.4	.2	.3	.0	.0	.0	.0	.0	.1	.1	.1	.2	1.0	1.7
25. *	.5	.6	.6	.6	.8	.4	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1	.0	1.0	1.8
30. *	.6	.6	.6	.6	.8	.4	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.8
35. *	.6	.6	.6	.6	.8	.4	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.8
40. *	.5	.6	.6	.6	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.7
45. *	.5	.6	.6	.6	.8	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.7
50. *	.5	.6	.6	.7	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.5
55. *	.5	.6	.6	.7	.8	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.3
60. *	.5	.6	.7	.8	.9	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.3
65. *	.5	.7	.8	.8	.9	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.1
70. *	.5	.8	.8	.8	.9	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.3
75. *	.6	.7	.9	.8	.9	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.1
80. *	.6	.8	.9	.8	.8	.3	.2	.1	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.9	1.1
85. *	.7	.8	.9	.9	.9	.3	.2	.1	.0	.0	.1	.1	.1	.2	.0	.0	.0	.0	.9	.8
90. *	.6	.7	.9	1.0	.8	.2	.2	.1	.0	.1	.1	.2	.2	.2	.0	.0	.0	.0	1.2	.9
95. *	.4	.7	.7	.8	.7	.2	.1	.1	.0	.2	.5	.3	.3	.5	.1	.0	.0	.0	1.2	.9
100. *	.4	.5	.7	.8	.6	.2	.1	.1	.0	.3	.7	.6	.7	.6	.1	.0	.0	.0	1.2	.8
105. *	.3	.5	.5	.4	.5	.1	.1	.0	.0	.6	.9	.9	1.0	.7	.2	.1	.0	.0	1.0	.9
110. *	.1	.3	.3	.3	.3	.1	.0	.0	.0	.7	1.1	1.0	1.1	.8	.3	.1	.1	.0	.9	.5
115. *	.1	.1	.2	.2	.2	.0	.0	.0	.0	.7	1.3	1.2	1.1	.9	.3	.2	.1	.0	1.1	.4
120. *	.0	.0	.2	.2	.1	.0	.0	.0	.0	1.0	1.3	1.3	1.3	1.0	.4	.2	.1	.1	1.0	.5
125. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	1.2	1.2	1.0	.4	.2	.2	.1	1.1	.5
130. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.2	1.2	1.1	1.0	.4	.2	.2	.1	1.1	.5

135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.2	1.1	1.0	.9	.4	.2	.1	1.1	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.2	1.0	1.0	.9	.4	.3	.2	1.1	.5
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.0	1.0	.9	.4	.3	.2	1.1	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.0	1.0	.9	.4	.3	.2	1.1	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	1.0	1.0	.8	.4	.3	.1	.8	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.9	.9	.7	.5	.3	.1	.6	.2
165.	*	.0	.0	.0	.0	.0	.2	.0	.0	.0	.9	1.0	.9	.9	.7	.4	.3	.2	1.1	.1
170.	*	.0	.0	.0	.0	.0	.2	.0	.0	.0	.9	1.0	.9	.9	.7	.4	.3	.2	1.1	.0
175.	*	.0	.0	.0	.0	.0	.3	.1	.1	.0	1.0	1.0	.9	.9	.7	.6	.3	.3	1.1	.0
180.	*	.1	.0	.0	.0	.0	.4	.2	.1	.0	1.1	1.0	.9	.9	.7	.7	.5	.3	1.1	.0
185.	*	.1	.0	.0	.0	.0	.6	.3	.2	.0	1.2	1.0	.9	.9	.7	.9	.6	.5	.4	.0
190.	*	.5	.0	.0	.0	.0	1.0	.4	.2	.0	1.4	.9	.9	.9	.7	.9	.7	.8	.3	.0
195.	*	.6	.0	.0	.0	.0	1.0	.5	.5	.0	1.3	1.0	.9	.9	.7	.9	.6	.9	.4	.0
200.	*	.8	.2	.0	.0	.0	1.2	.6	.5	.0	1.2	1.1	.8	.9	.7	.9	.8	.8	.7	.0
205.	*	.8	.2	.0	.0	.0	1.3	.7	.5	.2	1.1	1.3	.9	.9	.7	.8	.9	.9	.7	.0

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JOB: S12 MD410&amp;201 EXAM

RUN: S12 MD410&amp;201 EXAM

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WIND	* CONCENTRATION																				
ANGLE	* (PPM)																				
(DEGR)	* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	1.0	.4	.0	.0	.0	1.5	.8	.6	.2	1.0	1.4	1.0	.9	.7	.8	.9	1.1	1.0	.0	.0
215.	*	.9	.5	.0	.0	.0	1.6	.7	.5	.3	1.0	1.6	1.1	.9	.7	.9	1.1	1.2	1.1	.0	.0
220.	*	1.0	.6	.0	.0	.0	1.6	.8	.5	.3	1.0	1.5	1.2	.9	.7	.7	1.2	1.2	1.0	.0	.0
225.	*	1.1	.6	.1	.0	.0	1.5	.7	.4	.4	.7	1.5	1.2	1.0	.8	.9	1.2	1.1	.9	.0	.0
230.	*	1.1	.6	.3	.0	.0	1.5	.8	.4	.4	.6	1.5	1.2	1.1	.8	1.2	1.3	1.0	.8	.0	.0
235.	*	1.1	.7	.3	.0	.0	1.6	.9	.4	.5	.7	1.5	1.2	1.1	.9	1.1	1.2	1.0	.8	.0	.0
240.	*	1.1	.7	.3	.1	.0	1.5	.8	.4	.5	.9	1.5	1.4	1.2	1.0	1.2	1.2	1.0	.8	.0	.0
245.	*	1.1	.7	.3	.2	.0	1.5	.8	.4	.5	.9	1.5	1.4	1.3	.9	1.5	1.2	1.0	.7	.0	.0
250.	*	1.1	.7	.4	.3	.0	1.5	.8	.4	.5	1.0	1.2	1.4	1.4	.9	1.4	1.1	.9	.7	.0	.0
255.	*	1.0	.7	.4	.3	.0	1.5	.8	.4	.5	1.2	1.4	1.3	1.4	.9	1.4	1.0	.8	.7	.0	.0
260.	*	1.0	.7	.4	.3	.0	1.5	.9	.4	.4	1.2	1.3	1.3	1.3	.9	1.3	.8	.7	.7	.0	.0
265.	*	1.0	.6	.4	.4	.0	1.5	.9	.4	.4	1.2	1.1	1.4	1.3	1.0	1.3	.9	.8	.7	.0	.0
270.	*	1.0	.6	.5	.4	.2	1.6	1.0	.4	.4	1.2	1.2	1.2	1.3	1.0	1.3	.8	.7	.7	.0	.1
275.	*	.9	.6	.5	.4	.3	1.6	1.0	.4	.4	1.2	1.2	1.1	1.0	.8	1.1	.8	.7	.7	.0	.2
280.	*	1.0	.8	.6	.6	.4	1.5	1.1	.4	.4	1.1	1.1	1.0	.9	.5	1.1	.7	.7	.7	.1	.3
285.	*	1.0	.9	.8	.8	.5	1.5	1.1	.4	.4	1.1	1.1	1.0	.8	.4	1.0	.7	.7	.7	.4	.7
290.	*	1.2	.9	.7	.8	.7	1.6	1.2	.4	.4	.7	.7	.8	.6	.2	.9	.6	.7	.7	.6	1.0
295.	*	1.1	.7	.8	.9	.7	1.7	1.2	.2	.4	.8	.6	.6	.4	.3	.9	.6	.8	.7	.7	1.2
300.	*	.9	.8	.8	.7	1.0	2.0	1.3	.3	.4	.7	.5	.3	.3	.2	.9	.7	.8	.7	.8	1.3
305.	*	1.1	.9	.8	.9	1.1	2.0	1.4	.4	.4	.7	.4	.3	.2	.1	.8	.7	.7	.7	.8	1.5
310.	*	.9	.7	.9	.8	1.0	2.0	1.8	.5	.4	.7	.5	.3	.1	.1	.8	.7	.7	.6	1.0	1.5
315.	*	1.0	.6	1.0	.9	.9	1.9	1.9	.7	.4	.7	.5	.2	.1	.0	.9	.8	.8	.6	1.1	1.6
320.	*	.8	.9	1.0	.9	1.0	2.0	1.9	.8	.4	.8	.5	.2	.1	.0	.9	.8	.8	.6	1.1	1.7
325.	*	.7	.9	1.0	.9	.9	2.0	2.0	1.1	.4	.8	.4	.3	.2	.0	.8	.8	.8	.7	1.2	1.7
330.	*	.6	.8	.8	.9	.9	1.8	2.0	1.1	.4	.8	.5	.2	.2	.0	.8	.8	.8	.7	1.2	1.6
335.	*	.7	1.0	.8	.9	.9	1.6	2.0	1.3	.4	.9	.4	.2	.2	.0	.8	.8	.8	.7	1.1	1.6
340.	*	.7	1.0	.8	.8	.8	1.5	1.8	1.2	.4	.8	.4	.2	.1	.0	.8	.9	.8	.6	1.1	1.5
345.	*	.8	1.1	.8	.7	.8	1.4	1.6	1.4	.4	.7	.4	.2	.0	.0	.8	.8	.8	.6	1.0	1.5
350.	*	.8	1.1	.7	.6	.8	1.2	1.4	1.0	.5	.7	.3	.1	.0	.0	.9	.8	.8	.5	.9	1.5
355.	*	.9	1.0	.7	.6	.8	1.3	1.2	1.0	.4	.5	.3	.0	.0	.0	.9	.8	.8	.6	.9	1.5
360.	*	.8	.9	.6	.6	.8	1.2	1.1	.8	.7	.5	.3	.0	.0	.0	.6	.8	.7	.4	.8	1.5
MAX	*	1.2	1.1	1.0	1.0	1.1	2.0	2.0	1.4	.8	1.4	1.6	1.4	1.4	1.0	1.5	1.3	1.2	1.1	1.2	1.8
DEGR.	*	290	345	315	90	305	300	325	345	5	190	215	240	250	120	245	230	215	215	90	25

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JOB: S12 MD410&amp;201 EXAM

RUN: S12 MD410&amp;201 EXAM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION																
ANGLE	* (PPM)																
(DEGR)	* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																
0.	*	1.2	1.0	.5	.9	.9	.7	.0	.2	.2	.5	.4	.4	.0	.0	.0	.0
5.	*	1.2	1.0	.5	1.2	.8	1.0	.5	.2	.4	.6	.7	.5	.0	.0	.0	.0
10.	*	1.3	1.1	.5	1.1	1.0	1.1	.6	.3	.7	1.0	.8	.6	.1	.0	.0	.0
15.	*	1.3	1.1	.5	1.2	1.2	1.2	.6	.4	.9	1.0	1.1	.9	.2	.0	.0	.0
20.	*	1.5	1.1	.5	1.2	1.3	1.4	.6	.6	1.0	1.2	1.2	1.1	.2	.0	.0	.0
25.	*	1.6	1.1	.5	1.0	1.3	1.4	.6	.6	1.2	1.2	1.2	1.2	.4	.2	.0	.0
30.	*	1.7	1.2	.5	.9	1.4	1.4	.5	.8	1.2	1.1	1.3	1.3	.4	.2	.0	.0
35.	*	1.7	1.3	.5	1.0	1.4	1.4	.6	.8	1.1	1.1	1.3	1.3	.4	.2	.0	.0
40.	*	1.8	1.3	.5	1.0	1.5	1.3	.7	.8	1.1	1.1	1.3	1.2	.5	.3	.2	.0
45.	*	1.8	1.3	.5	1.0	1.6	1.2	.7	.7	1.0	1.2	1.3	1.1	.5	.3	.2	.0
50.	*	1.9	1.3	.5	1.0	1.6	1.1	.7	.8	1.0	1.1	1.2	1.2	.4	.3	.2	.0
55.	*	2.0	1.5	.5	1.3	1.6	1.1	.6	.7	1.0	1.0	1.1	1.2	.4	.3	.2	.1
60.	*	2.1	1.6	.5	1.2	1.5	1.0	.6	.7	1.0	1.0	1.1	1.1	.4	.2	.2	.1
65.	*	2.1	1.6	.6	1.3	1.4	.8	.7	.8	.9	.9	1.1	1.1	.5	.4	.2	.1
70.	*	2.1	1.8	.7	1.4	1.4	.7	.7	.8	.8	.9	1.1	1.0	.5	.3	.1	.2
75.	*	2.2	1.9	.7	1.6	1.4	.8	.6	.8	.8	.9	1.1	.9	.5	.3	.1	.2
80.	*	1.9	2.1	.8	1.5	1.4	.8	.6	.8	.9	.9	.9	.9	.5	.3	.1	.2
85.	*	1.8	1.9	.7	1.5	1.3	.6	.5	.9	.9	1.0	.9	1.0	.5	.5	.2	.3
90.	*	1.6	1.7	.8	1.5	1.4	.7	.4	.9	.9	.9	1.0	1.0	.5	.6	.4	.4

95.	*	1.5	1.6	.8	1.3	1.1	.6	.4	.9	.9	.9	1.0	1.0	.7	.5	.5	.6
100.	*	1.2	1.4	.7	1.4	1.1	.6	.4	1.0	1.1	.9	1.0	1.0	.9	.8	.7	.7
105.	*	1.0	1.2	.7	1.3	.9	.4	.4	1.1	1.2	1.2	1.1	1.0	.9	1.0	.6	1.0
110.	*	.8	1.2	.5	1.2	.8	.4	.5	1.2	1.2	1.2	1.2	1.0	.8	1.0	.9	1.0
115.	*	.6	.7	.4	1.2	.7	.4	.5	1.2	1.3	1.3	1.1	1.0	.9	1.0	1.1	1.1
120.	*	.4	.5	.1	1.2	.7	.5	.4	1.1	1.4	1.3	1.1	1.0	.8	1.1	1.1	1.0
125.	*	.3	.3	.0	1.3	.7	.5	.4	1.0	1.4	1.3	1.1	1.0	1.1	1.4	1.3	1.0
130.	*	.3	.3	.0	1.3	.6	.5	.4	1.0	1.4	1.3	1.1	1.1	.9	1.8	1.5	.8
135.	*	.3	.2	.0	1.3	.6	.4	.4	1.0	1.4	1.3	1.2	1.1	1.1	1.7	1.5	.8
140.	*	.3	.0	.0	1.3	.6	.5	.4	.8	1.4	1.4	1.2	1.2	1.1	1.7	1.3	.6
145.	*	.3	.0	.0	1.2	.5	.5	.4	1.1	1.4	1.5	1.2	1.3	1.2	1.8	1.2	.6
150.	*	.1	.0	.0	1.1	.6	.5	.5	.8	1.3	1.4	1.4	1.3	1.2	1.8	.9	.7
155.	*	.0	.0	.0	1.1	.6	.6	.5	.8	1.1	1.4	1.4	1.3	1.4	1.9	.9	.7
160.	*	.0	.0	.0	.9	.5	.5	.5	.8	1.4	1.3	1.4	1.4	1.4	1.5	.9	.6
165.	*	.0	.0	.0	.8	.5	.5	.5	1.1	1.3	1.5	1.4	1.5	1.3	1.3	.8	.6
170.	*	.0	.0	.0	.8	.6	.4	.5	1.1	1.2	1.4	1.6	1.5	1.3	1.2	.7	.6
175.	*	.0	.0	.0	.6	.4	.5	.7	.9	.8	1.4	1.5	1.6	1.4	1.1	.7	.6
180.	*	.0	.0	.0	.5	.5	.5	.7	1.0	.7	1.3	1.4	1.4	1.4	1.0	.6	.6
185.	*	.0	.0	.0	.3	.3	.3	.5	.9	.7	1.1	1.3	1.2	1.4	1.1	.7	.6
190.	*	.0	.0	.0	.2	.3	.3	.6	.8	.6	.9	1.1	1.0	1.4	1.0	.6	.6
195.	*	.0	.0	.0	.1	.2	.2	.6	.9	.5	.6	.8	.8	1.5	1.0	.6	.6
200.	*	.0	.0	.0	.1	.0	.1	.5	.9	.5	.5	.7	.8	1.5	.9	.5	.6
205.	*	.0	.0	.0	.0	.0	.0	.5	.8	.4	.4	.5	.6	1.5	.9	.4	.6

1

JOB: S12 MD410&201 EXAM

RUN: S12 MD410&201 EXAM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.4	.8	.4	.3	.4	.4	1.5	.9	.4	.6
215.	*	.0	.0	.0	.0	.0	.3	.9	.5	.3	.4	.3	1.5	.8	.4	.6
220.	*	.0	.0	.0	.0	.0	.2	1.0	.5	.3	.4	.2	1.4	.9	.4	.6
225.	*	.0	.0	.0	.0	.0	.1	1.0	.5	.3	.3	.1	1.4	.9	.5	.6
230.	*	.0	.0	.0	.0	.0	.0	.9	.6	.3	.3	.1	1.5	.9	.5	.6
235.	*	.0	.0	.0	.0	.0	.0	.9	.7	.2	.1	.0	1.4	.8	.5	.7
240.	*	.0	.0	.0	.0	.0	.0	1.0	.5	.2	.1	.0	1.4	.8	.5	.7
245.	*	.0	.0	.0	.0	.0	.0	.9	.5	.1	.0	.0	1.3	.7	.5	.7
250.	*	.0	.0	.0	.0	.0	.0	.9	.4	.1	.1	.0	1.3	.6	.5	.7
255.	*	.0	.0	.0	.0	.0	.0	.8	.2	.1	.1	.0	1.1	.7	.6	.8
260.	*	.0	.0	.0	.0	.0	.0	.6	.1	.2	.1	.0	1.0	.7	.7	.8
265.	*	.0	.0	.1	.0	.0	.0	.4	.2	.1	.1	.0	.8	.7	.8	.8
270.	*	.0	.0	.1	.0	.0	.0	.4	.2	.1	.0	.0	.9	.8	.6	.9
275.	*	.1	.0	.2	.0	.0	.0	.3	.2	.1	.0	.0	.8	.6	.6	.8
280.	*	.5	.4	.3	.0	.0	.0	.2	.1	.0	.0	.0	.5	.6	.5	.7
285.	*	.5	.4	.4	.0	.0	.0	.2	.1	.0	.0	.0	.4	.5	.5	.7
290.	*	.7	.4	.5	.2	.0	.0	.2	.0	.0	.0	.0	.3	.3	.3	.6
295.	*	1.0	.5	.6	.2	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4
300.	*	1.2	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3
305.	*	1.1	.7	.6	.7	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2
310.	*	1.3	.6	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
315.	*	1.4	.6	.6	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	1.3	.6	.5	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
325.	*	1.3	.7	.5	.7	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
330.	*	1.3	.7	.5	.6	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.1
335.	*	1.3	.8	.5	.6	.3	.4	.0	.0	.0	.1	.1	.0	.0	.0	.1
340.	*	1.2	.7	.5	.7	.4	.4	.0	.0	.0	.1	.1	.0	.0	.0	.0
345.	*	1.2	.7	.5	.7	.4	.4	.0	.0	.0	.1	.1	.0	.0	.0	.0
350.	*	1.2	.8	.5	.8	.5	.5	.0	.0	.0	.1	.1	.0	.0	.0	.0
355.	*	1.2	.8	.5	.9	.6	.8	.0	.0	.2	.3	.3	.1	.0	.0	.0
360.	*	1.2	1.0	.5	.9	.9	.7	.0	.2	.2	.5	.4	.4	.0	.0	.0

MAX	2.2	2.1	.8	1.6	1.6	1.4	.7	1.2	1.4	1.5	1.6	1.6	1.5	1.9	1.5	1.1
DEGR.	75	80	80	75	45	20	40	110	135	145	170	175	230	155	130	115

THE HIGHEST CONCENTRATION IS 2.20 PPM AT 75 DEGREES FROM REC21.  
 THE 2ND HIGHEST CONCENTRATION IS 2.10 PPM AT 80 DEGREES FROM REC22.  
 THE 3RD HIGHEST CONCENTRATION IS 2.00 PPM AT 300 DEGREES FROM REC6 .

S12 MD410&201 EXPM				60.0321.0.0000.000360.30480000	1	1	
SE COR		1217.	802.	5.0			
SE 82E		1266.	808.	5.0			
SE 164E		1348.	792.	5.0			
SE 256E		1439.	774.	5.0			
SE MIDE		1701.	721.	5.0			
SE 82S		1189.	744.	5.0			
SE 164S		1189.	662.	5.0			
SE 256S		1189.	574.	5.0			
SE MIDS		1098.	233.	5.0			
NE COR		1229.	958.	5.0			
NE 82E		1290.	923.	5.0			
NE 164E		1368.	903.	5.0			
NE 256E		1449.	884.	5.0			
NE MIDE		1727.	839.	5.0			
NE 82N		1217.	1017.	5.0			
NE 164N		1228.	1094.	5.0			
NE 256N		1241.	1181.	5.0			
NE MIDN		1280.	1355.	5.0			
SW COR		1073.	842.	5.0			
SW 82W		1014.	883.	5.0			
SW 164W		931.	907.	5.0			
SW 256W		849.	931.	5.0			
SW MIDW		564.	1020.	5.0			
SW 82S		1093.	794.	5.0			
SW 164S		1093.	680.	5.0			
SW 256S		1093.	621.	5.0			
SW MIDS		1027.	317.	5.0			
NW COR		1084.	1013.	5.0			
NW 82N		1117.	1065.	5.0			
NW 164N		1134.	1139.	5.0			
NW 256N		1149.	1230.	5.0			
NW MIDN		1178.	1380.	5.0			
NW 82W		1027.	998.	5.0			
NW 164W		953.	1015.	5.0			
NW 256W		849.	1044.	5.0			
NW MIDW		567.	1110.	5.0			
S12 MD410&201 EXPM			57	1	0		
1							
EBL	MD410	AG	1157.	902.	660.	1035.	530 6.1 0. 44 38
2							
EBL	MD410	AG	1074.	924.	894.	972.	0. 24 2
	180	145	2.0	530	65.9	1660	1 3
1							
EBT	MD410	AG	1155.	879.	656.	1020.	1275 6.1 0. 44 42
2							
EBT	MD410	AG	1069.	903.	832.	970.	0. 24 2
	180	103	2.0	1275	65.9	1711	1 3
1							
EBR	MD410	AG	1117.	791.	1082.	863.	395 6.1 0. 32 42
1							
EBR	MD410	AG	1082.	863.	1029.	898.	395 6.1 0. 32 42
1							
EBR	MD410	AG	1029.	898.	859.	946.	395 6.1 0. 32 42
2							
EBR	MD410	AG	1007.	904.	899.	934.	0. 12 1
	180	103	2.0	395	65.9	1531	1 3
1							
EBR	MD410	AG	859.	946.	655.	1011.	395 6.1 0. 32 42
1							
EBALL	MD410	AG	654.	1022.	183.	1153.	2200 6.1 0. 44 42
1							
EBDP	MD410	AG	2140.	728.	1906.	735.	1650 6.1 0. 56 42
1							
EBDP	MD410	AG	1906.	735.	1616.	769.	1650 6.1 0. 56 42
1							
EBDP	MD410	AG	1616.	769.	1339.	822.	1650 6.1 0. 56 42
1							
EBDP	MD410	AG	1339.	822.	1155.	879.	1650 6.1 0. 56 42
1							
WBL	MD410	AG	1158.	898.	1371.	844.	125 6.4 0. 32 38
2							
WBL	MD410	AG	1220.	882.	1334.	853.	0. 12 1
	180	158	2.0	125	65.9	1711	1 3
1							
WBL	MD410	AG	1371.	844.	1565.	809.	125 6.4 0. 32 38
1							
WBT	MD410	AG	1157.	927.	1456.	842.	1305 6.4 0. 44 38
2							
WBT	MD410	AG	1213.	911.	1357.	870.	0. 24 2
	180	117	2.0	1305	65.9	1711	1 3
1							
WBT	MD410	AG	1456.	842.	1568.	823.	1305 6.4 0. 44 38
1							
WBR	MD410	AG	1183.	1004.	1223.	933.	240 6.4 0. 32 38
1							
WBR	MD410	AG	1223.	933.	1269.	910.	240 6.4 0. 32 38
1							
WBR	MD410	AG	1269.	910.	1429.	867.	240 6.4 0. 32 38
1							
WBR	MD410	AG	1429.	867.	1570.	838.	240 6.4 0. 32 38
1							
WBALL	MD410	AG	1570.	826.	1837.	793.	1670 6.4 0. 56 38
1							
WBALL	MD410	AG	1837.	793.	2147.	777.	1670 6.4 0. 56 38

[illegible]

JOB: S12 MD410&amp;201 EXPM

RUN: S12 MD410&amp;201 EXPM

DATE: 01/11/2008 TIME: 11:40:38.81

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	1157.0	902.0	660.0	1035.0	*	514.	285. AG	530.	6.1	.0	44.0		
2. EBL	MD410	*	1074.0	924.0	827.9	989.6	*	255.	285. AG	285.	100.0	.0	24.0	.93	12.9
3. EBT	MD410	*	1155.0	879.0	656.0	1020.0	*	519.	286. AG	1275.	6.1	.0	44.0		
4. EBT	MD410	*	1069.0	903.0	680.9	1012.7	*	403.	286. AG	202.	100.0	.0	24.0	.92	20.5
5. EBR	MD410	*	1117.0	791.0	1082.0	863.0	*	80.	334. AG	395.	6.1	.0	32.0		
6. EBR	MD410	*	1082.0	863.0	1029.0	898.0	*	64.	303. AG	395.	6.1	.0	32.0		
7. EBR	MD410	*	1029.0	898.0	859.0	946.0	*	177.	286. AG	395.	6.1	.0	32.0		
8. EBR	MD410	*	1007.0	904.0	792.6	963.5	*	222.	286. AG	101.	100.0	.0	12.0	.64	11.3
9. EBR	MD410	*	859.0	946.0	655.0	1011.0	*	214.	288. AG	395.	6.1	.0	32.0		
10. EBALL	MD410	*	654.0	1022.0	183.0	1153.0	*	489.	286. AG	2200.	6.1	.0	44.0		
11. EBDP	MD410	*	2140.0	728.0	1906.0	735.0	*	234.	272. AG	1650.	6.1	.0	56.0		
12. EBDP	MD410	*	1906.0	735.0	1616.0	769.0	*	292.	277. AG	1650.	6.1	.0	56.0		
13. EBDP	MD410	*	1616.0	769.0	1339.0	822.0	*	282.	281. AG	1650.	6.1	.0	56.0		
14. EBDP	MD410	*	1339.0	822.0	1155.0	879.0	*	193.	287. AG	1650.	6.1	.0	56.0		
15. WBL	MD410	*	1158.0	898.0	1371.0	844.0	*	220.	104. AG	125.	6.4	.0	32.0		
16. WBL	MD410	*	1220.0	882.0	1330.6	853.9	*	114.	104. AG	155.	100.0	.0	12.0	.73	5.8
17. WBL	MD410	*	1371.0	844.0	1565.0	809.0	*	197.	100. AG	125.	6.4	.0	32.0		
18. WBT	MD410	*	1157.0	927.0	1456.0	842.0	*	311.	106. AG	1305.	6.4	.0	44.0		
19. WBT	MD410	*	1213.0	911.0	2613.0	512.4	*	1456.	106. AG	230.	100.0	.0	24.0	1.16	73.9
20. WBT	MD410	*	1456.0	842.0	1568.0	823.0	*	114.	100. AG	1305.	6.4	.0	44.0		
21. WBR	MD410	*	1183.0	1004.0	1223.0	933.0	*	81.	151. AG	240.	6.4	.0	32.0		
22. WBR	MD410	*	1223.0	933.0	1269.0	910.0	*	51.	117. AG	240.	6.4	.0	32.0		
23. WBR	MD410	*	1269.0	910.0	1429.0	867.0	*	166.	105. AG	240.	6.4	.0	32.0		
24. WBR	MD410	*	1429.0	867.0	1570.0	838.0	*	144.	102. AG	240.	6.4	.0	32.0		
25. WBALL	MD410	*	1570.0	826.0	1837.0	793.0	*	269.	97. AG	1670.	6.4	.0	56.0		
26. WBALL	MD410	*	1837.0	793.0	2147.0	777.0	*	310.	93. AG	1670.	6.4	.0	56.0		
27. WBDP	MD410	*	197.0	1189.0	733.0	1045.0	*	555.	105. AG	1815.	6.4	.0	44.0		
28. WBDP	MD410	*	733.0	1045.0	1157.0	929.0	*	440.	105. AG	1815.	6.4	.0	44.0		
29. NBR	MD201	*	1276.0	839.0	1214.0	827.0	*	63.	259. AG	45.	5.8	.0	32.0		
30. NBR	MD201	*	1214.0	827.0	1170.0	793.0	*	56.	232. AG	45.	5.8	.0	32.0		
31. NBL	MD201	*	1149.0	910.0	1141.0	612.0	*	298.	182. AG	365.	5.8	.0	44.0		
32. NBL	MD201	*	1147.0	822.0	1142.6	672.6	*	149.	182. AG	291.	100.0	.0	24.0	.71	7.6
33. NBT&R	MD201	*	1173.0	916.0	1162.0	599.0	*	317.	182. AG	1090.	5.8	.0	44.0		
34. NBT&R	MD201	*	1170.0	823.0	1147.9	223.8	*	600.	182. AG	236.	100.0	.0	24.0	1.02	30.5
35. NBALL	MD201	*	1156.0	599.0	1150.0	473.0	*	126.	183. AG	1455.	5.8	.0	56.0		
36. NBALL	MD201	*	1150.0	473.0	1120.0	348.0	*	129.	193. AG	1455.	5.8	.0	56.0		
37. NBALL	MD201	*	1120.0	348.0	1041.0	193.0	*	174.	207. AG	1455.	5.8	.0	56.0		
38. NBALL	MD201	*	1041.0	193.0	861.0	-52.0	*	304.	216. AG	1455.	5.8	.0	44.0		
39. NBDP	MD201	*	1372.0	1882.0	1286.0	1563.0	*	330.	195. AG	1815.	5.8	.0	56.0		
40. NBDP	MD201	*	1286.0	1563.0	1213.0	1203.0	*	367.	191. AG	1815.	5.8	.0	44.0		
41. NBDP	MD201	*	1213.0	1203.0	1170.0	919.0	*	287.	189. AG	1815.	5.8	.0	44.0		
42. SBL	MD201	*	1144.0	917.0	1180.0	1142.0	*	228.	9. AG	330.	6.5	.0	32.0		
43. SBL	MD201	*	1155.0	981.0	1310.7	1963.7	*	995.	9. AG	145.	100.0	.0	12.0	1.24	50.5
44. SBT	MD201	*	1127.0	905.0	1167.0	1150.0	*	248.	9. AG	1145.	6.5	.0	44.0		

JOB: S12 MD410&amp;201 EXPM

RUN: S12 MD410&amp;201 EXPM

DATE: 01/11/2008 TIME: 11:40:38.81

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD201	*	1140.0	980.0	1266.9	1765.9	*	796.	9. AG	234.	100.0	.0	24.0	1.06	40.4
46. SBR	MD201	*	1070.0	980.0	1127.0	1030.0	*	76.	49. AG	145.	6.5	.0	32.0		
47. SBR	MD201	*	1127.0	1030.0	1153.0	1151.0	*	124.	12. AG	145.	6.5	.0	25.0		
48. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	145.	6.5	.0	32.0		
49. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	145.	6.5	.0	32.0		
50. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	145.	6.5	.0	32.0		
51. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	145.	6.5	.0	32.0		
52. SBALL	MD201	*	1160.0	1154.0	1232.0	1516.0	*	369.	11. AG	1620.	6.5	.0	56.0		
53. SBALL	MD201	*	1232.0	1516.0	1331.0	1894.0	*	391.	15. AG	1620.	6.5	.0	56.0		
54. SBDP	MD201	*	813.0	-33.0	1016.0	226.0	*	329.	38. AG	1665.	6.5	.0	44.0		
55. SBDP	MD201	*	1016.0	226.0	1095.0	405.0	*	196.	24. AG	1665.	6.5	.0	44.0		
56. SBDP	MD201	*	1095.0	405.0	1122.0	589.0	*	186.	8. AG	1665.	6.5	.0	44.0		
57. SBDP	MD201	*	1120.0	590.0	1120.0	911.0	*	321.	360. AG	1665.	6.5	.0	44.0		

JOB: S12 MD410&amp;201 EXPM

RUN: S12 MD410&amp;201 EXPM

DATE: 01/11/2008 TIME: 11:40:38.81

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	180	145	2.0	530	1660	65.90	1	3



4. EBT	MD410	*	180	103	2.0	1275	1711	65.90	1	3
8. EBR	MD410	*	180	103	2.0	395	1531	65.90	1	3
16. WBL	MD410	*	180	158	2.0	125	1711	65.90	1	3
19. WBT	MD410	*	180	117	2.0	1305	1711	65.90	1	3
32. NBL	MD201	*	180	148	2.0	365	1660	65.90	1	3
34. NBT&R	MD201	*	180	120	2.0	1090	1711	65.90	1	3
43. SBL	MD201	*	180	148	2.0	330	1711	65.90	1	3
45. SBT	MD201	*	180	119	2.0	1145	1711	65.90	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1217.0	802.0	5.0	*
2. SE 82E	*	1266.0	808.0	5.0	*
3. SE 164E	*	1348.0	792.0	5.0	*
4. SE 256E	*	1439.0	774.0	5.0	*
5. SE MIDE	*	1701.0	721.0	5.0	*
6. SE 82S	*	1189.0	744.0	5.0	*
7. SE 164S	*	1189.0	662.0	5.0	*
8. SE 256S	*	1189.0	574.0	5.0	*
9. SE MIDS	*	1098.0	233.0	5.0	*
10. NE COR	*	1229.0	958.0	5.0	*
11. NE 82E	*	1290.0	923.0	5.0	*
12. NE 164E	*	1368.0	903.0	5.0	*
13. NE 256E	*	1449.0	884.0	5.0	*
14. NE MIDE	*	1727.0	839.0	5.0	*
15. NE 82N	*	1217.0	1017.0	5.0	*
16. NE 164N	*	1228.0	1094.0	5.0	*
17. NE 256N	*	1241.0	1181.0	5.0	*
18. NE MIDN	*	1280.0	1355.0	5.0	*
19. SW COR	*	1073.0	842.0	5.0	*
20. SW 82W	*	1014.0	883.0	5.0	*
21. SW 164W	*	931.0	907.0	5.0	*
22. SW 256W	*	849.0	931.0	5.0	*
23. SW MIDW	*	564.0	1020.0	5.0	*
24. SW 82S	*	1093.0	794.0	5.0	*
25. SW 164S	*	1093.0	680.0	5.0	*
26. SW 256S	*	1093.0	621.0	5.0	*
27. SW MIDS	*	1027.0	317.0	5.0	*
28. NW COR	*	1084.0	1013.0	5.0	*
29. NW 82N	*	1117.0	1065.0	5.0	*
30. NW 164N	*	1134.0	1139.0	5.0	*
31. NW 256N	*	1149.0	1230.0	5.0	*
32. NW MIDN	*	1178.0	1380.0	5.0	*
33. NW 82W	*	1027.0	998.0	5.0	*
34. NW 164W	*	953.0	1015.0	5.0	*
35. NW 256W	*	849.0	1044.0	5.0	*
36. NW MIDW	*	567.0	1110.0	5.0	*

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JOB: S12 MD410&201 EXPM

RUN: S12 MD410&201 EXPM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.1	1.4	1.0	.7	.9	1.4	1.3	1.2	1.2	.8	.3	.2	.0	.0	1.1	1.1	1.1	.9	1.2	1.6
5. *	1.2	1.1	.8	.7	.9	1.2	1.3	.9	1.2	.6	.3	.0	.0	.0	.9	1.1	1.1	.7	1.3	1.7
10. *	.9	1.1	.7	.8	.9	1.0	.9	.8	1.2	.5	.1	.0	.0	.0	.8	.7	.9	.6	1.5	1.8
15. *	.8	.9	.7	.8	.9	.9	.8	.5	1.0	.3	.0	.0	.0	.0	.4	.4	.4	.5	1.6	2.0
20. *	.6	.9	.7	.8	.9	.6	.6	.3	.9	.0	.0	.0	.0	.0	.4	.4	.3	.2	1.5	2.2
25. *	.6	.9	.7	.7	.9	.6	.4	.1	.9	.0	.0	.0	.0	.0	.0	.1	.1	.0	1.4	2.2
30. *	.7	.9	.7	.7	.9	.5	.4	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.4
35. *	.8	.9	.7	.7	.9	.5	.3	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.1
40. *	.8	.9	.7	.7	.9	.5	.3	.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0
45. *	.8	.8	.7	.7	.9	.5	.3	.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.8
50. *	.7	.8	.8	.7	.9	.5	.3	.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.7
55. *	.7	.8	.8	.9	.9	.5	.3	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.7
60. *	.7	.9	.9	1.0	1.0	.5	.3	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.5
65. *	.8	.9	1.0	1.0	1.0	.5	.3	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.3
70. *	.8	.8	1.0	1.0	1.0	.4	.3	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4
75. *	.8	1.0	1.0	1.1	1.1	.3	.3	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3
80. *	.7	1.0	1.1	1.1	1.0	.3	.2	.1	.4	.0	.0	.0	.0	.2	.0	.0	.0	.0	1.1	1.2
85. *	.7	1.0	1.2	1.0	1.0	.3	.2	.1	.3	.0	.1	.1	.1	.2	.0	.0	.0	.0	1.2	1.0
90. *	.7	.9	1.1	1.1	1.1	.3	.2	.1	.3	.1	.1	.1	.2	.2	.0	.0	.0	.0	1.4	1.2
95. *	.5	1.0	1.0	1.0	.9	.3	.1	.1	.3	.2	.4	.3	.3	.4	.1	.0	.0	.0	1.4	1.3
100. *	.5	.7	.9	.9	.7	.2	.1	.0	.2	.3	.6	.6	.7	.6	.1	.0	.0	.0	1.3	1.0
105. *	.3	.5	.7	.7	.5	.1	.1	.0	.2	.6	.9	.9	.8	.8	.2	.1	.0	.0	1.3	1.1
110. *	.2	.4	.4	.5	.4	.1	.0	.0	.1	.8	1.3	1.1	1.0	1.0	.2	.1	.1	.0	1.1	.9
115. *	.1	.3	.3	.2	.2	.0	.0	.0	.1	.7	1.2	1.2	1.2	1.0	.3	.2	.1	.0	1.1	.7
120. *	.0	.0	.2	.2	.1	.0	.0	.0	.1	.9	1.3	1.4	1.3	1.1	.5	.2	.1	.1	1.0	.6
125. *	.0	.0	.1	.1	.0	.0	.0	.0	.0	1.0	1.4	1.2	1.3	1.1	.5	.2	.2	.1	1.2	.6
130. *	.0	.0	.1	.1	.0	.0	.0	.0	.0	1.0	1.3	1.3	1.2	1.1	.5	.2	.2	.1	1.2	.7

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135. * .0 .0 .0 .0 .0 .0 .0 .0 .0 1.0 1.2 1.2 1.1 1.0 .5 .3 .2 .1 1.2 .7
140. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1.0 1.3 1.1 1.1 1.0 .5 .4 .2 .1 1.2 .7
145. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1.0 1.3 1.2 1.1 1.0 .7 .4 .2 .1 1.2 .6
150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .9 1.3 1.2 1.0 .9 .6 .4 .2 .1 1.1 .4
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .9 1.3 1.1 1.1 .9 .6 .3 .1 .1 1.1 .4
160. * .0 .0 .0 .0 .0 .2 .1 .1 .0 .9 1.4 1.0 1.0 .8 .5 .4 .2 .1 .9 .4
165. * .0 .0 .0 .0 .0 .3 .1 .1 .0 .9 1.2 1.0 1.0 .8 .6 .5 .2 .1 .7 .3
170. * .1 .0 .0 .0 .0 .4 .3 .2 .0 1.0 1.2 1.0 1.0 .8 .6 .6 .3 .1 .7 .1
175. * .2 .0 .0 .0 .0 .7 .6 .4 .0 1.1 1.2 .9 .9 .8 .9 .6 .4 .2 .6 .1
180. * .3 .1 .0 .0 .0 .9 .7 .6 .0 1.2 1.3 1.0 1.0 .8 .9 .7 .5 .3 .3 .1
185. * .5 .1 .0 .0 .0 1.2 .9 .7 .0 1.3 1.3 .9 1.0 .8 1.0 1.0 .5 .6 .2 .0
190. * .8 .2 .1 .0 .0 1.6 1.2 .9 .0 1.4 1.4 1.0 1.0 .8 1.0 1.0 .9 .5 .0 .0
195. * .9 .3 .1 .0 .0 1.7 1.4 1.2 .0 1.3 1.4 1.1 1.0 .8 1.1 1.0 .9 .7 .0 .0
200. * .9 .4 .1 .0 .0 1.8 1.4 1.4 .2 1.2 1.6 1.1 1.0 .8 .9 1.0 1.1 .9 .0 .0
205. * 1.0 .5 .2 .1 .0 1.7 1.5 1.3 .2 1.1 1.8 1.2 1.0 .8 .9 1.1 1.2 1.2 .0 .0

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JOB: S12 MD410&201 EXPM RUN: S12 MD410&201 EXPM PAGE 5

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----
210. * 1.2 .7 .2 .1 .0 1.8 1.4 1.5 .2 1.0 1.7 1.2 1.0 .8 1.1 1.0 1.2 1.2 .0 .0
215. * 1.1 .6 .2 .1 .0 2.0 1.3 1.4 .4 .8 1.7 1.3 1.0 .8 .9 1.2 1.3 1.5 .0 .0
220. * 1.2 .6 .2 .1 .0 1.8 1.3 1.3 .5 .9 1.7 1.4 1.0 .8 .7 1.3 1.3 1.4 .0 .0
225. * 1.3 .7 .2 .1 .0 1.9 1.3 1.2 .6 .9 1.7 1.5 1.0 .8 .9 1.4 1.4 1.4 .0 .0
230. * 1.3 .7 .4 .1 .1 1.8 1.1 1.2 .6 .8 1.6 1.7 1.0 1.0 1.1 1.4 1.5 1.3 .0 .0
235. * 1.3 .8 .5 .1 .1 1.7 1.2 1.1 .6 .8 1.5 1.6 1.1 1.0 1.1 1.4 1.3 1.1 .0 .0
240. * 1.1 .8 .5 .1 .1 1.7 1.1 1.1 .5 .9 1.5 1.8 1.2 1.1 1.2 1.4 1.4 1.0 .0 .0
245. * 1.1 .8 .5 .2 .1 1.7 1.1 1.0 .5 1.0 1.3 1.8 1.4 1.1 1.4 1.4 1.4 1.0 .0 .0
250. * 1.0 .8 .6 .3 .1 1.8 1.1 1.0 .5 1.2 1.3 1.8 1.5 1.1 1.4 1.4 1.4 1.0 .0 .0
255. * 1.1 .8 .6 .4 .1 1.8 1.1 1.0 .6 1.3 1.4 1.6 1.4 1.0 1.6 1.3 1.1 1.0 .0 .0
260. * 1.1 .6 .6 .4 .1 1.8 1.2 1.0 .4 1.3 1.4 1.5 1.5 1.1 1.6 1.2 1.0 1.0 .0 .0
265. * 1.1 .6 .7 .4 .2 1.8 1.1 1.0 .4 1.4 1.4 1.6 1.4 1.1 1.6 1.3 1.1 1.0 .0 .0
270. * 1.0 .6 .5 .5 .3 1.8 1.1 1.0 .4 1.5 1.3 1.4 1.5 1.0 1.5 1.1 1.0 1.0 .0 .2
275. * 1.1 1.0 .8 .7 .4 1.8 1.2 1.0 .4 1.6 1.4 1.3 1.3 1.1 1.4 1.0 1.0 1.0 .1 .3
280. * 1.2 .8 1.0 .9 .5 1.8 1.2 1.0 .4 1.4 1.1 1.0 1.1 .7 1.3 .9 1.0 1.0 .2 .7
285. * 1.1 1.0 1.2 1.2 .9 1.9 1.4 1.0 .4 1.1 1.1 .9 .8 .3 .9 .9 1.0 1.0 .7 1.1
290. * 1.6 1.2 1.0 1.1 1.0 2.0 1.4 1.0 .5 1.0 .7 .8 .8 .3 .9 .9 1.1 1.0 .8 1.4
295. * 1.2 1.0 1.2 1.2 1.0 2.3 1.5 .9 .5 .8 .7 .7 .5 .3 .9 .9 1.0 1.0 1.0 1.9
300. * 1.3 1.0 1.2 1.2 1.3 2.3 1.7 1.1 .5 .7 .5 .4 .4 .1 .9 .9 1.0 1.0 1.2 1.9
305. * 1.4 1.1 1.2 1.3 1.2 2.3 1.9 1.1 .5 .8 .5 .4 .3 .1 .9 1.0 1.1 1.0 1.3 2.1
310. * 1.1 .9 1.3 1.3 1.1 2.3 2.1 1.1 .4 .8 .5 .3 .3 .1 .9 1.1 1.2 1.0 1.4 2.1
315. * 1.0 1.1 1.2 1.4 1.1 2.4 2.2 1.4 .4 .9 .5 .4 .3 .1 1.0 1.1 1.1 1.0 1.5 2.1
320. * .9 1.1 1.3 1.3 1.1 2.4 2.2 1.5 .4 .8 .5 .4 .2 .1 1.0 1.1 1.1 1.0 1.5 2.1
325. * .9 1.1 1.3 1.3 1.1 2.3 2.4 1.8 .4 .9 .5 .5 .3 .1 1.1 1.0 1.1 1.0 1.4 1.9
330. * .9 1.1 1.3 1.1 1.1 2.2 2.4 1.8 .5 .9 .5 .5 .3 .1 1.2 1.1 1.2 1.1 1.3 1.8
335. * .9 1.2 1.2 1.1 1.1 1.9 2.3 1.9 .5 1.0 .5 .5 .4 .0 1.2 1.2 1.2 1.2 1.3 1.8
340. * 1.0 1.3 1.4 .9 .9 1.9 2.3 1.9 .5 1.0 .5 .5 .2 .0 1.2 1.2 1.2 1.1 1.2 1.7
345. * 1.0 1.3 1.3 .9 .9 1.9 1.9 1.8 .7 .9 .6 .4 .2 .0 1.3 1.3 1.2 1.0 1.1 1.7
350. * 1.2 1.4 1.0 .9 .9 1.7 1.7 1.4 .8 .9 .6 .3 .2 .0 1.3 1.3 1.3 1.1 1.1 1.7
355. * 1.3 1.5 1.0 .8 .9 1.6 1.6 1.4 .9 .9 .5 .2 .0 .0 1.2 1.4 1.3 1.1 1.1 1.7
360. * 1.1 1.4 1.0 .7 .9 1.4 1.3 1.2 1.2 .8 .3 .2 .0 .0 1.1 1.1 1.1 .9 1.2 1.6
-----
MAX * 1.6 1.5 1.4 1.4 1.3 2.4 2.4 1.9 1.2 1.6 1.8 1.8 1.5 1.1 1.6 1.4 1.5 1.5 1.6 2.4
DEGR. * 290 355 340 315 300 315 325 335 0 275 205 240 250 275 255 225 230 215 15 30

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JOB: S12 MD410&201 EXPM RUN: S12 MD410&201 EXPM PAGE 6

# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36
-----
0. * 1.9 1.8 .6 1.1 1.0 .8 .2 .2 .4 .6 .7 .7 .0 .0 .0 .0
5. * 1.9 1.9 .6 1.4 1.2 1.1 .6 .4 .6 .9 .9 .8 .1 .0 .0 .0
10. * 1.9 1.9 .6 1.4 1.3 1.4 .7 .5 1.1 1.3 1.3 1.2 .2 .0 .0 .0
15. * 2.0 1.9 .6 1.5 1.5 1.5 .8 .8 1.2 1.4 1.6 1.6 .4 .1 .0 .0
20. * 2.1 2.0 .6 1.2 1.4 1.8 .8 .9 1.3 1.7 1.8 1.8 .5 .2 .0 .0
25. * 2.3 2.1 .6 1.2 1.7 1.7 .7 1.1 1.5 1.6 1.9 1.8 .6 .3 .1 .0
30. * 2.3 2.0 .6 1.3 1.6 1.5 1.0 1.1 1.6 1.6 1.7 1.8 .6 .4 .2 .0
35. * 2.4 2.1 .6 1.2 1.7 1.5 .9 1.1 1.5 1.6 1.7 1.9 .6 .5 .2 .0
40. * 2.3 2.2 .6 1.1 1.7 1.5 1.0 1.1 1.3 1.6 1.7 1.9 .8 .5 .2 .0
45. * 2.3 2.2 .7 1.0 1.8 1.5 1.0 .8 1.4 1.6 1.7 1.7 .8 .5 .3 .0
50. * 2.3 2.1 .7 1.0 1.8 1.3 1.0 .9 1.2 1.5 1.5 1.6 .6 .5 .4 .1
55. * 2.4 2.1 .8 1.4 1.6 1.3 .8 .9 1.2 1.3 1.4 1.6 .6 .4 .3 .2
60. * 2.3 2.3 .8 1.3 1.4 1.1 .9 .9 1.1 1.3 1.4 1.5 .6 .4 .3 .2
65. * 2.4 2.4 .8 1.4 1.5 1.0 .9 .8 1.1 1.3 1.4 1.4 .6 .4 .2 .2
70. * 2.3 2.5 .9 1.5 1.5 .9 .9 .8 1.1 1.2 1.3 1.3 .5 .5 .2 .2
75. * 2.3 2.3 1.1 1.6 1.5 .8 .9 .8 1.1 1.2 1.3 1.3 .5 .5 .2 .2
80. * 2.0 2.4 1.2 1.8 1.4 .8 .8 .8 1.1 1.2 1.3 1.3 .5 .5 .3 .2
85. * 1.8 2.1 1.2 1.8 1.3 .8 .6 .8 1.1 1.3 1.3 1.3 .5 .6 .4 .3
90. * 1.9 2.0 1.5 1.8 1.2 .8 .6 .8 1.1 1.2 1.3 1.3 .6 .6 .5 .4

```

95.	*	1.6	1.9	1.5	1.5	1.1	.8	.7	.7	1.1	1.2	1.3	1.3	.7	.6	.5	.8
100.	*	1.2	1.4	1.3	1.5	1.0	.9	.7	.8	1.2	1.2	1.3	1.4	.7	.8	.7	.9
105.	*	1.2	1.4	1.2	1.3	1.0	.8	.7	1.0	1.2	1.3	1.4	1.4	.9	1.0	.7	1.0
110.	*	1.0	1.1	.8	1.3	.8	.8	.7	1.0	1.3	1.3	1.4	1.3	1.0	.9	1.0	1.2
115.	*	.6	.8	.7	1.2	.8	.7	.8	1.1	1.4	1.4	1.4	1.3	1.1	1.0	1.2	1.3
120.	*	.3	.6	.4	1.2	.8	.8	.7	1.2	1.5	1.4	1.4	1.4	.9	1.3	1.4	1.5
125.	*	.3	.3	.3	1.3	.8	.9	.6	1.2	1.6	1.4	1.3	1.4	1.2	1.5	1.7	1.3
130.	*	.3	.3	.1	1.3	.9	.9	.6	.9	1.6	1.4	1.5	1.4	1.3	1.6	1.9	1.2
135.	*	.4	.3	.1	1.4	1.0	.9	.6	.9	1.5	1.5	1.5	1.6	1.3	1.5	1.9	1.0
140.	*	.4	.1	.1	1.4	1.0	1.0	.6	.8	1.6	1.5	1.6	1.7	1.4	1.5	1.8	1.0
145.	*	.4	.1	.0	1.4	1.0	1.0	.5	1.1	1.6	1.7	1.5	1.7	1.3	1.6	1.8	.9
150.	*	.3	.1	.0	1.3	1.0	.9	.6	.9	1.3	1.7	1.6	1.7	1.5	1.8	1.6	.7
155.	*	.1	.1	.0	1.3	1.0	1.0	.6	1.0	1.3	1.7	1.7	1.8	1.5	1.9	1.6	.7
160.	*	.1	.1	.0	1.2	.9	1.0	.5	.9	1.6	1.8	1.7	2.0	1.6	1.8	1.6	.7
165.	*	.1	.0	.0	1.2	.9	.9	.5	1.1	1.4	1.8	1.8	1.9	1.5	1.6	1.6	.7
170.	*	.1	.0	.0	1.0	.9	.9	.6	1.2	1.2	1.7	1.7	2.0	1.5	1.5	1.4	.7
175.	*	.0	.0	.0	.9	.7	.8	.7	.9	1.1	1.6	1.7	2.0	1.4	1.5	1.3	.7
180.	*	.0	.0	.0	.7	.7	.8	.7	.9	1.0	1.3	1.5	1.8	1.2	1.4	1.3	.7
185.	*	.0	.0	.0	.4	.4	.4	.6	.9	.8	1.1	1.4	1.5	1.2	1.4	1.3	.7
190.	*	.0	.0	.0	.3	.4	.4	.6	.8	.9	.9	1.4	1.3	1.3	1.5	1.3	.7
195.	*	.0	.0	.0	.1	.2	.2	.6	.6	.7	.8	1.0	.9	1.4	1.5	1.3	.7
200.	*	.0	.0	.0	.1	.0	.1	.5	.8	.5	.6	.7	.9	1.4	1.5	1.2	.7
205.	*	.0	.0	.0	.0	.0	.0	.5	.8	.5	.4	.5	.6	1.4	1.4	1.1	.7

1

JOB: S12 MD410&201 EXPM

RUN: S12 MD410&201 EXPM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.4	.8	.5	.5	.4	.5	1.3	1.4	1.0	.7
215.	*	.0	.0	.0	.0	.0	.0	.3	.8	.5	.5	.4	.4	1.4	1.4	.9	.7
220.	*	.0	.0	.0	.0	.0	.0	.2	.9	.6	.5	.4	.4	1.4	1.4	.9	.7
225.	*	.0	.0	.0	.0	.0	.0	.1	1.0	.6	.5	.4	.2	1.4	1.5	.9	.7
230.	*	.0	.0	.0	.0	.0	.0	.0	1.1	.8	.5	.3	.2	1.5	1.5	.9	.7
235.	*	.0	.0	.0	.0	.0	.0	.0	1.1	.8	.5	.3	.0	1.5	1.5	.9	.7
240.	*	.0	.0	.0	.0	.0	.0	.0	1.1	.8	.4	.2	.0	1.5	1.5	.9	.8
245.	*	.0	.0	.0	.0	.0	.0	.0	1.2	.7	.4	.1	.0	1.5	1.4	.9	.8
250.	*	.0	.0	.0	.0	.0	.0	.0	1.2	.6	.3	.1	.0	1.5	1.4	.8	.8
255.	*	.0	.0	.0	.0	.0	.0	.0	1.1	.5	.2	.2	.0	1.5	1.2	1.0	.9
260.	*	.0	.0	.1	.0	.0	.0	.0	1.1	.4	.4	.2	.0	1.4	1.4	1.0	.9
265.	*	.0	.0	.1	.0	.0	.0	.0	.8	.5	.2	.1	.0	1.5	1.3	.9	.9
270.	*	.1	.0	.2	.0	.0	.0	.0	.9	.4	.2	.0	.0	1.3	1.3	.9	1.0
275.	*	.4	.3	.3	.0	.0	.0	.0	.7	.3	.1	.0	.0	1.2	.9	.8	.9
280.	*	.6	.6	.5	.0	.0	.0	.0	.5	.2	.0	.0	.0	.8	.9	.5	.8
285.	*	.9	.7	.6	.1	.0	.0	.0	.3	.0	.0	.0	.0	.7	.6	.5	.7
290.	*	1.2	.9	.7	.4	.0	.0	.0	.2	.0	.0	.0	.0	.4	.4	.4	.6
295.	*	1.5	1.2	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.4
300.	*	1.8	1.4	.8	.8	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3
305.	*	1.9	1.6	.8	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2
310.	*	2.0	1.6	.8	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
315.	*	2.1	1.5	.8	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	2.0	1.6	.8	.9	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
325.	*	2.0	1.7	.7	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
330.	*	2.0	1.7	.7	.7	.5	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
335.	*	1.9	1.6	.7	.7	.5	.4	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1
340.	*	1.9	1.7	.7	.8	.6	.5	.1	.0	.0	.0	.1	.1	.0	.0	.0	.0
345.	*	1.9	1.7	.6	.7	.5	.5	.2	.0	.0	.1	.1	.1	.0	.0	.0	.0
350.	*	1.9	1.8	.6	.8	.7	.7	.2	.0	.1	.2	.2	.2	.0	.0	.0	.0
355.	*	1.9	1.8	.6	1.0	.8	.9	.2	.1	.2	.5	.3	.4	.0	.0	.0	.0
360.	*	1.9	1.8	.6	1.1	1.0	.8	.2	.2	.4	.6	.7	.7	.0	.0	.0	.0

THE HIGHEST CONCENTRATION IS 2.50 PPM AT 70 DEGREES FROM REC22.  
 THE 2ND HIGHEST CONCENTRATION IS 2.40 PPM AT 315 DEGREES FROM REC6 .  
 THE 3RD HIGHEST CONCENTRATION IS 2.40 PPM AT 325 DEGREES FROM REC7 .

S12 MD410&201 NB15AM				60.0321.0.0000.000360.30480000	1	1					
SE COR		1217.	802.	5.0							
SE 82E		1266.	808.	5.0							
SE 164E		1348.	792.	5.0							
SE 256E		1439.	774.	5.0							
SE MIDE		1701.	721.	5.0							
SE 82S		1189.	744.	5.0							
SE 164S		1189.	662.	5.0							
SE 256S		1189.	574.	5.0							
SE MIDS		1098.	233.	5.0							
NE COR		1229.	958.	5.0							
NE 82E		1290.	923.	5.0							
NE 164E		1368.	903.	5.0							
NE 256E		1449.	884.	5.0							
NE MIDE		1727.	839.	5.0							
NE 82N		1217.	1017.	5.0							
NE 164N		1228.	1094.	5.0							
NE 256N		1241.	1181.	5.0							
NE MIDN		1280.	1355.	5.0							
SW COR		1073.	842.	5.0							
SW 82W		1014.	883.	5.0							
SW 164W		931.	907.	5.0							
SW 256W		849.	931.	5.0							
SW MIDW		564.	1020.	5.0							
SW 82S		1093.	794.	5.0							
SW 164S		1093.	680.	5.0							
SW 256S		1093.	621.	5.0							
SW MIDS		1027.	317.	5.0							
NW COR		1084.	1013.	5.0							
NW 82N		1117.	1065.	5.0							
NW 164N		1134.	1139.	5.0							
NW 256N		1149.	1230.	5.0							
NW MIDN		1178.	1380.	5.0							
NW 82W		1027.	998.	5.0							
NW 164W		953.	1015.	5.0							
NW 256W		849.	1044.	5.0							
NW MIDW		567.	1110.	5.0							
S12 MD410&201 NB15AM			57	1	0						
1											
EBL	MD410	AG	1157.	902.	660.	1035.	305	3.8	0.	44	42
2											
EBL	MD410	AG	1074.	924.	894.	972.	0.	24	2		
	150	128	2.0	305	37.8	1717	1	3			
1											
EBT	MD410	AG	1155.	879.	656.	1020.	840	3.8	0.	44	42
2											
EBT	MD410	AG	1069.	903.	832.	970.	0.	24	2		
	150	87	2.0	840	37.8	1770	1	3			
1											
EBR	MD410	AG	1117.	791.	1082.	863.	320	3.8	0.	32	42
1											
EBR	MD410	AG	1082.	863.	1029.	898.	320	3.8	0.	32	42
1											
EBR	MD410	AG	1029.	898.	859.	946.	320	3.8	0.	32	42
2											
EBR	MD410	AG	1007.	904.	899.	934.	0.	12	1		
	150	87	2.0	320	37.8	1583	1	3			
1											
EBR	MD410	AG	859.	946.	655.	1011.	320	3.8	0.	32	42
1											
EBALL	MD410	AG	654.	1022.	183.	1153.	1465	3.8	0.	44	42
1											
EBDP	MD410	AG	2140.	728.	1906.	735.	985	3.8	0.	56	42
1											
EBDP	MD410	AG	1906.	735.	1616.	769.	985	3.8	0.	56	42
1											
EBDP	MD410	AG	1616.	769.	1339.	822.	985	3.8	0.	56	42
1											
EBDP	MD410	AG	1339.	822.	1155.	879.	985	3.8	0.	56	42
1											
WBL	MD410	AG	1158.	898.	1371.	844.	45	3.5	0.	32	38
2											
WBL	MD410	AG	1220.	882.	1334.	853.	0.	12	1		
	150	139	2.0	45	37.8	1770	1	3			
1											
WBL	MD410	AG	1371.	844.	1565.	809.	45	3.5	0.	32	38
1											
WBT	MD410	AG	1157.	927.	1456.	842.	1475	3.5	0.	44	38
2											
WBT	MD410	AG	1213.	911.	1357.	870.	0.	24	2		
	150	98	2.0	1475	37.8	1770	1	3			
1											
WBT	MD410	AG	1456.	842.	1568.	823.	1475	3.5	0.	44	38
1											
WBR	MD410	AG	1183.	1004.	1223.	933.	485	3.5	0.	32	38
1											
WBR	MD410	AG	1223.	933.	1269.	910.	485	3.5	0.	32	38
1											
WBR	MD410	AG	1269.	910.	1429.	867.	485	3.5	0.	32	38
1											
WBR	MD410	AG	1429.	867.	1570.	838.	485	3.5	0.	32	38
1											
WBALL	MD410	AG	1570.	826.	1837.	793.	2005	3.5	0.	56	38
1											
WBALL	MD410	AG	1837.	793.	2147.	777.	2005	3.5	0.	56	38

[illegible]

JOB: S12 MD410&amp;201 NB15AM

RUN: S12 MD410&amp;201 NB15AM

DATE: 01/11/2008 TIME: 11:42:47.78

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	1157.0	902.0	660.0	1035.0	*	514.	285. AG	305.	3.8	.0	44.0		
2. EBL	MD410	*	1074.0	924.0	964.9	953.1	*	113.	285. AG	173.	100.0	.0	24.0	.74	5.7
3. EBT	MD410	*	1155.0	879.0	656.0	1020.0	*	519.	286. AG	940.	3.8	.0	44.0		
4. EBT	MD410	*	1069.0	903.0	876.7	957.4	*	200.	286. AG	118.	100.0	.0	24.0	.60	10.1
5. EBR	MD410	*	1117.0	791.0	1082.0	863.0	*	80.	334. AG	320.	3.8	.0	32.0		
6. EBR	MD410	*	1082.0	863.0	1029.0	898.0	*	64.	303. AG	320.	3.8	.0	32.0		
7. EBR	MD410	*	1029.0	898.0	859.0	946.0	*	177.	286. AG	320.	3.8	.0	32.0		
8. EBR	MD410	*	1007.0	904.0	860.3	944.7	*	152.	286. AG	59.	100.0	.0	12.0	.51	7.7
9. EBR	MD410	*	859.0	946.0	655.0	1011.0	*	214.	288. AG	320.	3.8	.0	32.0		
10. EBALL	MD410	*	654.0	1022.0	183.0	1153.0	*	489.	286. AG	1465.	3.8	.0	44.0		
11. EBDP	MD410	*	2140.0	728.0	1906.0	735.0	*	234.	272. AG	985.	3.8	.0	56.0		
12. EBDP	MD410	*	1906.0	735.0	1616.0	769.0	*	292.	277. AG	985.	3.8	.0	56.0		
13. EBDP	MD410	*	1616.0	769.0	1339.0	822.0	*	282.	281. AG	985.	3.8	.0	56.0		
14. EBDP	MD410	*	1339.0	822.0	1155.0	879.0	*	193.	287. AG	985.	3.8	.0	56.0		
15. WBL	MD410	*	1158.0	898.0	1371.0	844.0	*	220.	104. AG	45.	3.5	.0	32.0		
16. WBL	MD410	*	1220.0	882.0	1254.1	873.3	*	35.	104. AG	94.	100.0	.0	12.0	.55	1.8
17. WBL	MD410	*	1371.0	844.0	1565.0	809.0	*	197.	100. AG	45.	3.5	.0	32.0		
18. WBT	MD410	*	1157.0	927.0	1456.0	842.0	*	311.	106. AG	1475.	3.5	.0	44.0		
19. WBT	MD410	*	1213.0	911.0	3355.9	300.9	*	2228.	106. AG	132.	100.0	.0	24.0	1.30	113.2
20. WBT	MD410	*	1456.0	842.0	1568.0	823.0	*	114.	100. AG	1475.	3.5	.0	44.0		
21. WBR	MD410	*	1183.0	1004.0	1223.0	933.0	*	81.	151. AG	485.	3.5	.0	32.0		
22. WBR	MD410	*	1223.0	933.0	1269.0	910.0	*	51.	117. AG	485.	3.5	.0	32.0		
23. WBR	MD410	*	1269.0	910.0	1429.0	867.0	*	166.	105. AG	485.	3.5	.0	32.0		
24. WBR	MD410	*	1429.0	867.0	1570.0	838.0	*	144.	102. AG	485.	3.5	.0	32.0		
25. WBALL	MD410	*	1570.0	826.0	1837.0	793.0	*	269.	97. AG	2005.	3.5	.0	56.0		
26. WBALL	MD410	*	1837.0	793.0	2147.0	777.0	*	310.	93. AG	2005.	3.5	.0	56.0		
27. WBDP	MD410	*	197.0	1189.0	733.0	1045.0	*	555.	105. AG	2125.	3.5	.0	44.0		
28. WBDP	MD410	*	733.0	1045.0	1157.0	929.0	*	440.	105. AG	2125.	3.5	.0	44.0		
29. NBR	MD201	*	1276.0	839.0	1214.0	827.0	*	63.	259. AG	35.	3.5	.0	32.0		
30. NBR	MD201	*	1214.0	827.0	1170.0	793.0	*	56.	232. AG	35.	3.5	.0	32.0		
31. NBL	MD201	*	1149.0	910.0	1141.0	612.0	*	298.	182. AG	355.	3.5	.0	44.0		
32. NBL	MD201	*	1147.0	822.0	1139.7	570.4	*	252.	182. AG	177.	100.0	.0	24.0	1.04	12.8
33. NBT&R	MD201	*	1173.0	916.0	1162.0	599.0	*	317.	182. AG	825.	3.5	.0	44.0		
34. NBT&R	MD201	*	1170.0	823.0	1163.0	633.9	*	189.	182. AG	114.	100.0	.0	24.0	.56	9.6
35. NBALL	MD201	*	1156.0	599.0	1150.0	473.0	*	126.	183. AG	1180.	3.5	.0	56.0		
36. NBALL	MD201	*	1150.0	473.0	1120.0	348.0	*	129.	193. AG	1180.	3.5	.0	56.0		
37. NBALL	MD201	*	1120.0	348.0	1041.0	193.0	*	174.	207. AG	1180.	3.5	.0	56.0		
38. NBALL	MD201	*	1041.0	193.0	861.0	-52.0	*	304.	216. AG	1180.	3.5	.0	44.0		
39. NBDP	MD201	*	1372.0	1882.0	1286.0	1563.0	*	330.	195. AG	1580.	3.5	.0	56.0		
40. NBDP	MD201	*	1286.0	1563.0	1213.0	1203.0	*	367.	191. AG	1580.	3.5	.0	44.0		
41. NBDP	MD201	*	1213.0	1203.0	1170.0	919.0	*	287.	189. AG	1580.	3.5	.0	44.0		
42. SBL	MD201	*	1144.0	917.0	1180.0	1142.0	*	228.	9. AG	110.	3.5	.0	32.0		
43. SBL	MD201	*	1155.0	981.0	1167.2	1058.2	*	78.	9. AG	88.	100.0	.0	12.0	.59	4.0
44. SBT	MD201	*	1127.0	905.0	1167.0	1150.0	*	248.	9. AG	1595.	3.5	.0	44.0		

JOB: S12 MD410&amp;201 NB15AM

RUN: S12 MD410&amp;201 NB15AM

DATE: 01/11/2008 TIME: 11:42:47.78

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD201	*	1140.0	980.0	1305.0	2001.6	*	1035.	9. AG	112.	100.0	.0	24.0	1.07	52.6
46. SBR	MD201	*	1070.0	980.0	1127.0	1030.0	*	76.	49. AG	295.	3.5	.0	32.0		
47. SBR	MD201	*	1127.0	1030.0	1153.0	1151.0	*	124.	12. AG	295.	3.5	.0	25.0		
48. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	295.	3.5	.0	32.0		
49. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	295.	3.5	.0	32.0		
50. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	295.	3.5	.0	32.0		
51. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	295.	3.5	.0	32.0		
52. SBALL	MD201	*	1160.0	1154.0	1232.0	1516.0	*	369.	11. AG	2000.	3.5	.0	56.0		
53. SBALL	MD201	*	1232.0	1516.0	1331.0	1894.0	*	391.	15. AG	2000.	3.5	.0	56.0		
54. SBDP	MD201	*	813.0	-33.0	1016.0	226.0	*	329.	38. AG	1960.	3.5	.0	44.0		
55. SBDP	MD201	*	1016.0	226.0	1095.0	405.0	*	196.	24. AG	1960.	3.5	.0	44.0		
56. SBDP	MD201	*	1095.0	405.0	1122.0	589.0	*	186.	8. AG	1960.	3.5	.0	44.0		
57. SBDP	MD201	*	1120.0	590.0	1120.0	911.0	*	321.	360. AG	1960.	3.5	.0	44.0		

JOB: S12 MD410&amp;201 NB15AM

RUN: S12 MD410&amp;201 NB15AM

DATE: 01/11/2008 TIME: 11:42:47.78

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	150	128	2.0	305	1717	37.80	1	3

4. EBT	MD410	*	150	87	2.0	840	1770	37.80	1	3
8. EBR	MD410	*	150	87	2.0	320	1583	37.80	1	3
16. WBL	MD410	*	150	139	2.0	45	1770	37.80	1	3
19. WBT	MD410	*	150	98	2.0	1475	1770	37.80	1	3
32. NBL	MD201	*	150	131	2.0	355	1717	37.80	1	3
34. NBT&R	MD201	*	150	84	2.0	825	1770	37.80	1	3
43. SBL	MD201	*	150	130	2.0	110	1770	37.80	1	3
45. SBT	MD201	*	150	83	2.0	1595	1770	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1217.0	802.0	5.0	*
2. SE 82E	*	1266.0	808.0	5.0	*
3. SE 164E	*	1348.0	792.0	5.0	*
4. SE 256E	*	1439.0	774.0	5.0	*
5. SE MIDE	*	1701.0	721.0	5.0	*
6. SE 82S	*	1189.0	744.0	5.0	*
7. SE 164S	*	1189.0	662.0	5.0	*
8. SE 256S	*	1189.0	574.0	5.0	*
9. SE MIDS	*	1098.0	233.0	5.0	*
10. NE COR	*	1229.0	958.0	5.0	*
11. NE 82E	*	1290.0	923.0	5.0	*
12. NE 164E	*	1368.0	903.0	5.0	*
13. NE 256E	*	1449.0	884.0	5.0	*
14. NE MIDE	*	1727.0	839.0	5.0	*
15. NE 82N	*	1217.0	1017.0	5.0	*
16. NE 164N	*	1228.0	1094.0	5.0	*
17. NE 256N	*	1241.0	1181.0	5.0	*
18. NE MIDN	*	1280.0	1355.0	5.0	*
19. SW COR	*	1073.0	842.0	5.0	*
20. SW 82W	*	1014.0	883.0	5.0	*
21. SW 164W	*	931.0	907.0	5.0	*
22. SW 256W	*	849.0	931.0	5.0	*
23. SW MIDW	*	564.0	1020.0	5.0	*
24. SW 82S	*	1093.0	794.0	5.0	*
25. SW 164S	*	1093.0	680.0	5.0	*
26. SW 256S	*	1093.0	621.0	5.0	*
27. SW MIDS	*	1027.0	317.0	5.0	*
28. NW COR	*	1084.0	1013.0	5.0	*
29. NW 82N	*	1117.0	1065.0	5.0	*
30. NW 164N	*	1134.0	1139.0	5.0	*
31. NW 256N	*	1149.0	1230.0	5.0	*
32. NW MIDN	*	1178.0	1380.0	5.0	*
33. NW 82W	*	1027.0	998.0	5.0	*
34. NW 164W	*	953.0	1015.0	5.0	*
35. NW 256W	*	849.0	1044.0	5.0	*
36. NW MIDW	*	567.0	1110.0	5.0	*

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JOB: S12 MD410&201 NB15AM

RUN: S12 MD410&201 NB15AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.5	.5	.4	.4	.4	.4	.5	.5	.4	.3	.1	.0	.0	.0	.6	.5	.5	.4	.5	.8
5. *	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3	.1	.0	.0	.0	.5	.5	.4	.4	.6	.9
10. *	.5	.4	.4	.4	.4	.4	.4	.3	.3	.1	.0	.0	.0	.0	.4	.4	.2	.4	.6	.9
15. *	.4	.4	.4	.3	.4	.3	.2	.2	.2	.1	.0	.0	.0	.0	.2	.2	.2	.1	.5	.9
20. *	.4	.4	.4	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.7	.9
25. *	.3	.4	.4	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.9
30. *	.3	.4	.4	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0
35. *	.3	.4	.4	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0
40. *	.3	.4	.4	.4	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0
45. *	.4	.4	.4	.4	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.0
50. *	.4	.4	.4	.4	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.9
55. *	.4	.4	.4	.4	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9
60. *	.4	.4	.4	.4	.6	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7
65. *	.4	.4	.5	.5	.6	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
70. *	.4	.4	.4	.6	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
75. *	.4	.5	.4	.5	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
80. *	.3	.5	.5	.5	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5
85. *	.4	.4	.5	.6	.5	.1	.1	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.6	.5
90. *	.3	.4	.5	.5	.5	.1	.1	.1	.0	.1	.1	.1	.1	.2	.0	.0	.0	.0	.5	.6
95. *	.3	.4	.4	.5	.4	.1	.1	.1	.0	.1	.2	.1	.2	.3	.0	.0	.0	.0	.6	.5
100. *	.2	.4	.3	.3	.4	.1	.1	.0	.0	.2	.3	.3	.3	.4	.1	.0	.0	.0	.6	.4
105. *	.1	.3	.3	.3	.2	.1	.0	.0	.0	.2	.5	.4	.5	.5	.1	.1	.0	.0	.5	.3
110. *	.1	.1	.2	.2	.2	.0	.0	.0	.0	.4	.6	.7	.6	.5	.2	.1	.1	.0	.5	.3
115. *	.1	.1	.2	.2	.1	.0	.0	.0	.0	.4	.6	.8	.7	.5	.2	.1	.1	.0	.6	.4
120. *	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.8	.7	.7	.6	.2	.1	.1	.1	.5	.3
125. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.7	.7	.6	.2	.1	.1	.1	.5	.3
130. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.7	.7	.5	.3	.1	.1	.1	.5	.3

135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.7	.7	.5	.3	.1	.1	.1	.6	.4
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.8	.6	.5	.3	.1	.1	.1	.6	.4
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.7	.6	.5	.3	.1	.1	.1	.6	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.7	.6	.5	.3	.1	.1	.1	.6	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.7	.6	.5	.3	.1	.1	.1	.5	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	.7	.6	.5	.2	.1	.1	.1	.5	.2
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.6	.7	.5	.2	.1	.1	.1	.4	.1
170.	*	.0	.0	.0	.0	.0	.2	.0	.0	.0	.5	.6	.6	.7	.5	.2	.1	.1	.1	.2	.0
175.	*	.0	.0	.0	.0	.0	.3	.0	.0	.0	.5	.6	.6	.7	.5	.3	.1	.1	.0	.2	.0
180.	*	.0	.0	.0	.0	.0	.3	.0	.1	.0	.6	.6	.6	.6	.5	.4	.3	.2	.0	.2	.0
185.	*	.2	.0	.0	.0	.0	.4	.2	.1	.0	.6	.6	.6	.6	.5	.4	.3	.2	.0	.0	.0
190.	*	.2	.0	.0	.0	.0	.7	.4	.1	.0	.6	.6	.5	.6	.5	.5	.2	.2	.3	.0	.0
195.	*	.3	.0	.0	.0	.0	.7	.4	.1	.0	.8	.7	.5	.6	.5	.5	.3	.4	.3	.0	.0
200.	*	.6	.1	.0	.0	.0	1.0	.5	.2	.0	.8	.8	.5	.6	.5	.5	.4	.5	.3	.0	.0
205.	*	.6	.2	.0	.0	.0	1.0	.6	.3	.0	.8	.8	.5	.6	.5	.3	.5	.4	.4	.0	.0

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JOB: S12 MD410&201 NB15AM

RUN: S12 MD410&201 NB15AM

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WIND	* CONCENTRATION																					
ANGLE	*	(PPM)																				
(DEGR)	* REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20		
210.	*	.7	.2	.0	.0	.0	1.0	.6	.3	.2	.6	.8	.6	.5	.5	.4	.5	.4	.5	.0	.0	
215.	*	.7	.2	.0	.0	.0	1.0	.7	.2	.2	.5	1.0	.7	.5	.5	.4	.6	.5	.5	.0	.0	
220.	*	.7	.4	.1	.0	.0	1.0	.8	.2	.3	.4	.9	.8	.5	.5	.6	.6	.5	.0	.0		
225.	*	.7	.4	.1	.0	.0	1.0	.8	.2	.3	.3	1.0	.8	.6	.5	.4	.7	.6	.5	.0	.0	
230.	*	.7	.4	.1	.0	.0	1.0	.8	.2	.3	.4	1.0	.9	.6	.5	.5	.8	.6	.5	.0	.0	
235.	*	.7	.4	.2	.1	.0	1.0	.8	.2	.3	.4	.9	.9	.5	.4	.7	.9	.6	.5	.0	.0	
240.	*	.7	.4	.2	.1	.0	.9	.8	.2	.3	.5	.9	.9	.6	.5	.8	.9	.6	.5	.0	.0	
245.	*	.7	.4	.2	.1	.0	.8	.8	.2	.3	.5	.6	.8	.6	.5	.8	.8	.6	.5	.0	.0	
250.	*	.7	.4	.3	.1	.0	.8	.8	.3	.2	.7	.6	.8	.6	.5	.8	.6	.5	.5	.0	.0	
255.	*	.6	.4	.3	.2	.0	.8	.8	.3	.2	.8	.5	.7	.7	.6	.8	.6	.5	.5	.0	.0	
260.	*	.6	.4	.3	.2	.0	.8	.8	.3	.3	.7	.6	.6	.6	.4	.8	.6	.5	.3	.0	.0	
265.	*	.6	.3	.3	.2	.0	.8	.8	.4	.3	.7	.7	.6	.6	.4	.7	.5	.5	.3	.0	.0	
270.	*	.6	.3	.3	.3	.0	.8	.8	.4	.3	.7	.5	.7	.6	.4	.7	.5	.5	.3	.0	.0	
275.	*	.6	.3	.4	.2	.1	.8	.8	.4	.2	.7	.5	.5	.5	.4	.7	.5	.5	.4	.0	.0	
280.	*	.6	.3	.2	.1	.2	.8	.8	.6	.2	.6	.6	.5	.4	.2	.6	.5	.5	.4	.0	.2	
285.	*	.5	.4	.1	.1	.4	.8	.8	.6	.2	.5	.5	.3	.3	.2	.6	.5	.4	.4	.0	.3	
290.	*	.6	.6	.2	.3	.4	.8	.8	.5	.2	.6	.3	.3	.2	.2	.6	.5	.4	.4	.1	.4	
295.	*	.8	.6	.2	.5	.4	.8	.8	.5	.2	.6	.4	.0	.1	.0	.6	.5	.4	.3	.3	.7	
300.	*	.8	.5	.3	.3	.5	.9	.8	.5	.2	.5	.3	.1	.0	.0	.6	.5	.5	.5	.4	.8	
305.	*	.7	.3	.4	.4	.5	1.0	.8	.5	.2	.5	.3	.1	.1	.0	.6	.5	.5	.6	.8	.8	
310.	*	.6	.2	.3	.4	.5	1.2	.8	.5	.2	.5	.3	.1	.1	.0	.6	.6	.5	.6	.9	.9	
315.	*	.4	.2	.3	.4	.5	1.2	.9	.7	.2	.5	.3	.1	.1	.0	.5	.6	.5	.5	.9	.9	
320.	*	.5	.3	.5	.5	.5	1.2	1.2	.8	.2	.5	.2	.1	.1	.0	.5	.5	.5	.6	.8	.8	
325.	*	.4	.5	.5	.5	.5	1.2	1.2	.7	.2	.5	.2	.1	.1	.0	.5	.5	.5	.6	.9	.9	
330.	*	.4	.7	.6	.5	.5	1.0	1.1	.7	.2	.4	.2	.1	.1	.0	.5	.5	.4	.5	.6	.8	
335.	*	.5	.6	.6	.5	.5	.8	1.0	.7	.2	.4	.2	.1	.1	.0	.6	.5	.5	.5	.6	.8	
340.	*	.4	.6	.6	.5	.5	.8	.9	.7	.2	.5	.3	.1	.1	.0	.6	.5	.5	.6	.6	.8	
345.	*	.5	.6	.6	.5	.4	.8	.8	.7	.2	.4	.2	.1	.1	.0	.5	.6	.5	.6	.5	.9	
350.	*	.5	.5	.6	.5	.4	.6	.8	.8	.2	.4	.2	.1	.0	.0	.5	.6	.5	.6	.5	.9	
355.	*	.5	.5	.5	.4	.4	.6	.6	.7	.4	.4	.1	.1	.0	.0	.6	.5	.5	.4	.8	.8	
360.	*	.5	.5	.4	.4	.4	.4	.5	.5	.4	.3	.1	.0	.0	.0	.6	.5	.5	.4	.5	.8	
MAX	*	.8	.7	.6	.6	.6	1.2	1.2	.8	.4	.8	1.0	.9	.7	.6	.8	.9	.6	.6	.7	1.0	
DEGR.	*	295	330	330	70	60	310	320	320	0	195	215	230	115	120	240	235	220	340	20	30	

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JOB: S12 MD410&201 NB15AM

RUN: S12 MD410&201 NB15AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION																	
ANGLE	*	(PPM)																
(DEGR)	* REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36		
0.	*	.7	.2	.3	.5	.3	.4	.0	.1	.2	.3	.3	.3	.0	.0	.0		
5.	*	.7	.2	.3	.5	.4	.5	.1	.2	.3	.4	.4	.5	.0	.0	.0		
10.	*	.6	.2	.3	.6	.5	.7	.4	.2	.3	.5	.6	.6	.1	.0	.0		
15.	*	.7	.2	.3	.6	.6	.7	.3	.3	.6	.7	.8	.7	.1	.0	.0		
20.	*	.8	.2	.3	.6	.7	.8	.3	.3	.6	.8	.9	.9	.2	.1	.0		
25.	*	.9	.3	.3	.5	.7	.8	.3	.4	.6	.8	.8	1.0	.2	.1	.0		
30.	*	.9	.5	.3	.5	.7	.9	.4	.4	.6	.8	.8	1.0	.2	.1	.0		
35.	*	.9	.5	.3	.3	.9	1.1	.3	.5	.7	.7	.8	.9	.2	.2	.1		
40.	*	1.0	.5	.3	.2	.9	1.1	.3	.4	.6	.6	.7	.8	.2	.2	.1		
45.	*	1.0	.5	.3	.5	.9	1.0	.3	.4	.6	.6	.7	.8	.1	.2	.1		
50.	*	1.0	.6	.3	.5	.9	1.0	.3	.4	.6	.7	.7	.8	.2	.1	.0		
55.	*	1.1	.6	.3	.5	.9	.9	.4	.4	.6	.7	.7	.7	.3	.1	.0		
60.	*	1.1	.6	.3	.6	.9	.8	.3	.4	.6	.6	.7	.7	.3	.1	.0		
65.	*	1.2	.8	.3	.8	.9	.8	.3	.5	.6	.6	.6	.6	.3	.1	.0		
70.	*	1.1	.9	.3	.8	.9	.8	.3	.5	.6	.6	.6	.6	.3	.1	.0		
75.	*	1.1	.8	.4	.6	.9	.8	.4	.5	.5	.6	.6	.6	.3	.1	.1		
80.	*	1.1	.9	.4	.8	.9	.7	.3	.5	.4	.6	.6	.6	.3	.1	.1		
85.	*	.9	1.0	.4	.8	.9	.7	.3	.5	.4	.5	.6	.6	.3	.1	.1		
90.	*	.8	1.0	.5	.8	.9	.6	.3	.5	.5	.5	.6	.6	.4	.3	.2		



95.	*	.7	.9	.5	.7	.9	.6	.3	.6	.6	.6	.6	.6	.4	.3	.2	.3
100.	*	.6	.7	.4	.8	.8	.6	.3	.6	.7	.6	.6	.6	.6	.2	.2	.5
105.	*	.5	.6	.4	.8	.7	.5	.3	.6	.7	.7	.6	.6	.5	.4	.4	.5
110.	*	.4	.4	.3	.7	.6	.5	.3	.7	.7	.7	.7	.6	.5	.5	.4	.5
115.	*	.3	.4	.1	.7	.6	.6	.3	.6	.7	.7	.7	.6	.6	.5	.6	.7
120.	*	.3	.1	.0	.7	.6	.6	.3	.6	.7	.7	.7	.7	.5	.5	.6	.6
125.	*	.3	.1	.0	.7	.6	.7	.3	.6	.8	.7	.7	.7	.4	.7	.6	.5
130.	*	.3	.1	.0	.7	.6	.6	.3	.6	.9	.7	.7	.7	.4	.6	.7	.5
135.	*	.2	.1	.0	.8	.5	.6	.3	.4	.8	.7	.7	.7	.5	.9	.8	.5
140.	*	.2	.1	.0	.9	.5	.5	.3	.4	.9	.7	.7	.7	.6	1.0	.8	.4
145.	*	.1	.0	.0	.7	.5	.4	.3	.2	.8	.7	.7	.8	.6	1.0	.7	.4
150.	*	.1	.0	.0	.7	.5	.4	.3	.4	.8	.7	.7	.9	.9	1.0	.6	.4
155.	*	.0	.0	.0	.7	.6	.5	.3	.5	.6	.8	.8	.9	.9	.9	.4	.4
160.	*	.0	.0	.0	.7	.5	.4	.3	.5	.7	.8	.8	.9	.9	.8	.4	.4
165.	*	.0	.0	.0	.7	.4	.3	.3	.5	.8	.7	.7	.8	.8	.7	.4	.4
170.	*	.0	.0	.0	.5	.4	.3	.3	.4	.7	.8	.7	.9	.9	.6	.4	.4
175.	*	.0	.0	.0	.4	.4	.3	.2	.4	.6	.8	.8	.8	.8	.7	.3	.3
180.	*	.0	.0	.0	.3	.2	.2	.3	.4	.5	.6	.8	.7	.7	.7	.3	.3
185.	*	.0	.0	.0	.2	.2	.1	.4	.5	.4	.7	.6	.6	.7	.7	.3	.4
190.	*	.0	.0	.0	.1	.2	.1	.4	.3	.4	.5	.5	.5	.8	.6	.3	.4
195.	*	.0	.0	.0	.1	.0	.1	.4	.3	.2	.4	.3	.4	.8	.6	.3	.4
200.	*	.0	.0	.0	.0	.0	.0	.3	.4	.3	.3	.2	.3	.8	.6	.3	.4
205.	*	.0	.0	.0	.0	.0	.0	.2	.4	.3	.3	.1	.2	.8	.6	.3	.4

1

JOB: S12 MD410&201 NB15AM

RUN: S12 MD410&201 NB15AM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION															
ANGLE	*	(PPM)															
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.2	.4	.3	.3	.1	.1	.8	.5	.3	.3
215.	*	.0	.0	.0	.0	.0	.0	.2	.4	.3	.3	.1	.1	.7	.4	.3	.3
220.	*	.0	.0	.0	.0	.0	.0	.1	.4	.3	.3	.0	.0	.8	.4	.3	.4
225.	*	.0	.0	.0	.0	.0	.0	.1	.4	.3	.2	.0	.0	.8	.4	.3	.4
230.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.0	.0	.8	.4	.3	.4
235.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.7	.4	.3	.4
240.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.0	.0	.5	.5	.3	.4
245.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.0	.0	.6	.4	.4	.4
250.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.6	.4	.4	.4
255.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.5	.4	.3	.5
260.	*	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.5	.4	.3	.5
265.	*	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.5	.3	.4	.5
270.	*	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	.4	.4	.5
275.	*	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.4	.4	.4	.5
280.	*	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.3	.4	.5
285.	*	.3	.3	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.3	.2	.5
290.	*	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3
295.	*	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2
300.	*	.5	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.2
305.	*	.5	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
310.	*	.6	.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
315.	*	.7	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	.7	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
325.	*	.6	.3	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.7	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.7	.2	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.7	.2	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.7	.2	.3	.3	.4	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
350.	*	.7	.2	.3	.4	.3	.1	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0
355.	*	.7	.2	.3	.4	.3	.3	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0
360.	*	.7	.2	.3	.5	.3	.4	.0	.1	.2	.3	.3	.3	.0	.0	.0	.0
MAX	*	1.2	1.0	.5	.9	.9	1.1	.4	.7	.9	.8	.9	1.0	.9	1.0	.8	.7
DEGR.	*	65	85	90	140	35	35	10	110	140	20	20	25	150	140	135	115

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 65 DEGREES FROM REC21.  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 310 DEGREES FROM REC6 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 320 DEGREES FROM REC7 .

S12 MD410&201 NB15PM				60.0321.0.0000.000360.30480000	1	1	
SE COR	1217.	802.	5.0				
SE 82E	1266.	808.	5.0				
SE 164E	1348.	792.	5.0				
SE 256E	1439.	774.	5.0				
SE MIDE	1701.	721.	5.0				
SE 82S	1189.	744.	5.0				
SE 164S	1189.	662.	5.0				
SE 256S	1189.	574.	5.0				
SE MIDS	1098.	233.	5.0				
NE COR	1229.	958.	5.0				
NE 82E	1290.	923.	5.0				
NE 164E	1368.	903.	5.0				
NE 256E	1449.	884.	5.0				
NE MIDE	1727.	839.	5.0				
NE 82N	1217.	1017.	5.0				
NE 164N	1228.	1094.	5.0				
NE 256N	1241.	1181.	5.0				
NE MIDN	1280.	1355.	5.0				
SW COR	1073.	842.	5.0				
SW 82W	1014.	883.	5.0				
SW 164W	931.	907.	5.0				
SW 256W	849.	931.	5.0				
SW MIDW	564.	1020.	5.0				
SW 82S	1093.	794.	5.0				
SW 164S	1093.	680.	5.0				
SW 256S	1093.	621.	5.0				
SW MIDS	1027.	317.	5.0				
NW COR	1084.	1013.	5.0				
NW 82N	1117.	1065.	5.0				
NW 164N	1134.	1139.	5.0				
NW 256N	1149.	1230.	5.0				
NW MIDN	1178.	1380.	5.0				
NW 82W	1027.	998.	5.0				
NW 164W	953.	1015.	5.0				
NW 256W	849.	1044.	5.0				
NW MIDW	567.	1110.	5.0				
S12 MD410&201 NB15PM		57	1	0			
1							
EBL	MD410	AG	1157.	902.	660.	1035.	585 3.5 0. 44 42
2							
EBL	MD410	AG	1074.	924.	894.	972.	0. 24 2
	130	108	2.0	585	37.8	1660 1 3	
1							
EBT	MD410	AG	1155.	879.	656.	1020.	1405 3.5 0. 44 42
2							
EBT	MD410	AG	1069.	903.	832.	970.	0. 24 2
	130	79	2.0	1405	37.8	1711 1 3	
1							
EBR	MD410	AG	1117.	791.	1082.	863.	435 3.5 0. 32 42
1							
EBR	MD410	AG	1082.	863.	1029.	898.	435 3.5 0. 32 42
1							
EBR	MD410	AG	1029.	898.	859.	946.	435 3.5 0. 32 42
2							
EBR	MD410	AG	1007.	904.	899.	934.	0. 12 1
	130	79	2.0	435	37.8	1531 1 3	
1							
EBR	MD410	AG	859.	946.	655.	1011.	435 3.5 0. 32 42
1							
EBALL	MD410	AG	654.	1022.	183.	1153.	2425 3.5 0. 44 42
1							
EBDP	MD410	AG	2140.	728.	1906.	735.	1820 3.5 0. 56 42
1							
EBDP	MD410	AG	1906.	735.	1616.	769.	1820 3.5 0. 56 42
1							
EBDP	MD410	AG	1616.	769.	1339.	822.	1820 3.5 0. 56 42
1							
EBDP	MD410	AG	1339.	822.	1155.	879.	1820 3.5 0. 56 42
1							
WBL	MD410	AG	1158.	898.	1371.	844.	135 3.8 0. 32 38
2							
WBL	MD410	AG	1220.	882.	1334.	853.	0. 12 1
	130	111	2.0	135	37.8	1711 1 3	
1							
WBL	MD410	AG	1371.	844.	1565.	809.	135 3.8 0. 32 38
1							
WBT	MD410	AG	1157.	927.	1456.	842.	1435 3.8 0. 44 38
2							
WBT	MD410	AG	1213.	911.	1357.	870.	0. 24 2
	130	82	2.0	1435	37.8	1711 1 3	
1							
WBT	MD410	AG	1456.	842.	1568.	823.	1435 3.8 0. 44 38
1							
WBR	MD410	AG	1183.	1004.	1223.	933.	265 3.8 0. 32 38
1							
WBR	MD410	AG	1223.	933.	1269.	910.	265 3.8 0. 32 38
1							
WBR	MD410	AG	1269.	910.	1429.	867.	265 3.8 0. 32 38
1							
WBR	MD410	AG	1429.	867.	1570.	838.	265 3.8 0. 32 38
1							
WBALL	MD410	AG	1570.	826.	1837.	793.	1835 3.8 0. 56 38
1							
WBALL	MD410	AG	1837.	793.	2147.	777.	1835 3.8 0. 56 38

[illegible]

JOB: S12 MD410&amp;201 NB15PM

RUN: S12 MD410&amp;201 NB15PM

DATE: 01/11/2008 TIME: 11:44:40.21

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	1157.0	902.0	660.0	1035.0	*	514.	285. AG	585.	3.5	.0	44.0		
2. EBL	MD410	*	1074.0	924.0	217.5	1152.4	*	886.	285. AG	168.	100.0	.0	24.0	1.28	45.0
3. EBT	MD410	*	1155.0	879.0	656.0	1020.0	*	519.	286. AG	1405.	3.5	.0	44.0		
4. EBT	MD410	*	1069.0	903.0	-150.3	1247.7	*	1267.	286. AG	123.	100.0	.0	24.0	1.14	64.4
5. EBR	MD410	*	1117.0	791.0	1082.0	863.0	*	80.	334. AG	435.	3.5	.0	32.0		
6. EBR	MD410	*	1082.0	863.0	1029.0	898.0	*	64.	303. AG	435.	3.5	.0	32.0		
7. EBR	MD410	*	1029.0	898.0	859.0	946.0	*	177.	286. AG	435.	3.5	.0	32.0		
8. EBR	MD410	*	1007.0	904.0	822.6	955.2	*	191.	286. AG	62.	100.0	.0	12.0	.79	9.7
9. EBR	MD410	*	859.0	946.0	655.0	1011.0	*	214.	288. AG	435.	3.5	.0	32.0		
10. EBALL	MD410	*	654.0	1022.0	183.0	1153.0	*	489.	286. AG	2425.	3.5	.0	44.0		
11. EBDP	MD410	*	2140.0	728.0	1906.0	735.0	*	234.	272. AG	1820.	3.5	.0	56.0		
12. EBDP	MD410	*	1906.0	735.0	1616.0	769.0	*	292.	277. AG	1820.	3.5	.0	56.0		
13. EBDP	MD410	*	1616.0	769.0	1339.0	822.0	*	282.	281. AG	1820.	3.5	.0	56.0		
14. EBDP	MD410	*	1339.0	822.0	1155.0	879.0	*	193.	287. AG	1820.	3.5	.0	56.0		
15. WBL	MD410	*	1158.0	898.0	1371.0	844.0	*	220.	104. AG	135.	3.8	.0	32.0		
16. WBL	MD410	*	1220.0	882.0	1302.9	860.9	*	86.	104. AG	87.	100.0	.0	12.0	.69	4.3
17. WBL	MD410	*	1371.0	844.0	1565.0	809.0	*	197.	100. AG	135.	3.8	.0	32.0		
18. WBT	MD410	*	1157.0	927.0	1456.0	842.0	*	311.	106. AG	1435.	3.8	.0	44.0		
19. WBT	MD410	*	1213.0	911.0	2967.7	411.4	*	1824.	106. AG	128.	100.0	.0	24.0	1.24	92.7
20. WBT	MD410	*	1456.0	842.0	1568.0	823.0	*	114.	100. AG	1435.	3.8	.0	44.0		
21. WBR	MD410	*	1183.0	1004.0	1223.0	933.0	*	81.	151. AG	265.	3.8	.0	32.0		
22. WBR	MD410	*	1223.0	933.0	1269.0	910.0	*	51.	117. AG	265.	3.8	.0	32.0		
23. WBR	MD410	*	1269.0	910.0	1429.0	867.0	*	166.	105. AG	265.	3.8	.0	32.0		
24. WBR	MD410	*	1429.0	867.0	1570.0	838.0	*	144.	102. AG	265.	3.8	.0	32.0		
25. WBALL	MD410	*	1570.0	826.0	1837.0	793.0	*	269.	97. AG	1835.	3.8	.0	56.0		
26. WBALL	MD410	*	1837.0	793.0	2147.0	777.0	*	310.	93. AG	1835.	3.8	.0	56.0		
27. WBDP	MD410	*	197.0	1189.0	733.0	1045.0	*	555.	105. AG	2000.	3.8	.0	44.0		
28. WBDP	MD410	*	733.0	1045.0	1157.0	929.0	*	440.	105. AG	2000.	3.8	.0	44.0		
29. NBR	MD201	*	1276.0	839.0	1214.0	827.0	*	63.	259. AG	50.	3.5	.0	32.0		
30. NBR	MD201	*	1214.0	827.0	1170.0	793.0	*	56.	232. AG	50.	3.5	.0	32.0		
31. NBL	MD201	*	1149.0	910.0	1141.0	612.0	*	298.	182. AG	400.	3.5	.0	44.0		
32. NBL	MD201	*	1147.0	822.0	1131.4	288.4	*	534.	182. AG	176.	100.0	.0	24.0	1.20	27.1
33. NBT&R	MD201	*	1173.0	916.0	1162.0	599.0	*	317.	182. AG	1200.	3.5	.0	44.0		
34. NBT&R	MD201	*	1170.0	823.0	1128.2	-313.7	*	1137.	182. AG	134.	100.0	.0	24.0	1.14	57.8
35. NBALL	MD201	*	1156.0	599.0	1150.0	473.0	*	126.	183. AG	1600.	3.5	.0	56.0		
36. NBALL	MD201	*	1150.0	473.0	1120.0	348.0	*	129.	193. AG	1600.	3.5	.0	56.0		
37. NBALL	MD201	*	1120.0	348.0	1041.0	193.0	*	174.	207. AG	1600.	3.5	.0	56.0		
38. NBALL	MD201	*	1041.0	193.0	861.0	-52.0	*	304.	216. AG	1600.	3.5	.0	44.0		
39. NBDP	MD201	*	1372.0	1882.0	1286.0	1563.0	*	330.	195. AG	2000.	3.5	.0	56.0		
40. NBDP	MD201	*	1286.0	1563.0	1213.0	1203.0	*	367.	191. AG	2000.	3.5	.0	44.0		
41. NBDP	MD201	*	1213.0	1203.0	1170.0	919.0	*	287.	189. AG	2000.	3.5	.0	44.0		
42. SBL	MD201	*	1144.0	917.0	1180.0	1142.0	*	228.	9. AG	365.	3.6	.0	32.0		
43. SBL	MD201	*	1155.0	981.0	1320.8	2027.9	*	1060.	9. AG	81.	100.0	.0	12.0	1.26	53.8
44. SBT	MD201	*	1127.0	905.0	1167.0	1150.0	*	248.	9. AG	1260.	3.6	.0	44.0		

JOB: S12 MD410&amp;201 NB15PM

RUN: S12 MD410&amp;201 NB15PM

DATE: 01/11/2008 TIME: 11:44:40.21

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD201	*	1140.0	980.0	1197.8	1337.7	*	362.	9. AG	120.	100.0	.0	24.0	.98	18.4
46. SBR	MD201	*	1070.0	980.0	1127.0	1030.0	*	76.	49. AG	165.	3.6	.0	32.0		
47. SBR	MD201	*	1127.0	1030.0	1153.0	1151.0	*	124.	12. AG	165.	3.6	.0	25.0		
48. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	165.	3.6	.0	32.0		
49. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	165.	3.6	.0	32.0		
50. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	165.	3.6	.0	32.0		
51. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	165.	3.6	.0	32.0		
52. SBALL	MD201	*	1160.0	1154.0	1232.0	1516.0	*	369.	11. AG	1790.	3.6	.0	56.0		
53. SBALL	MD201	*	1232.0	1516.0	1331.0	1894.0	*	391.	15. AG	1790.	3.6	.0	56.0		
54. SBDP	MD201	*	813.0	-33.0	1016.0	226.0	*	329.	38. AG	1830.	3.6	.0	44.0		
55. SBDP	MD201	*	1016.0	226.0	1095.0	405.0	*	196.	24. AG	1830.	3.6	.0	44.0		
56. SBDP	MD201	*	1095.0	405.0	1122.0	589.0	*	186.	8. AG	1830.	3.6	.0	44.0		
57. SBDP	MD201	*	1120.0	590.0	1120.0	911.0	*	321.	360. AG	1830.	3.6	.0	44.0		

JOB: S12 MD410&amp;201 NB15PM

RUN: S12 MD410&amp;201 NB15PM

DATE: 01/11/2008 TIME: 11:44:40.21

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	130	108	2.0	585	1660	37.80	1	3

4. EBT	MD410	*	130	79	2.0	1405	1711	37.80	1	3
8. EBR	MD410	*	130	79	2.0	435	1531	37.80	1	3
16. WBL	MD410	*	130	111	2.0	135	1711	37.80	1	3
19. WBT	MD410	*	130	82	2.0	1435	1711	37.80	1	3
32. NBL	MD201	*	130	113	2.0	400	1660	37.80	1	3
34. NBT&R	MD201	*	130	86	2.0	1200	1711	37.80	1	3
43. SBL	MD201	*	130	104	2.0	365	1711	37.80	1	3
45. SBT	MD201	*	130	77	2.0	1260	1711	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1217.0	802.0	5.0	*
2. SE 82E	*	1266.0	808.0	5.0	*
3. SE 164E	*	1348.0	792.0	5.0	*
4. SE 256E	*	1439.0	774.0	5.0	*
5. SE MIDE	*	1701.0	721.0	5.0	*
6. SE 82S	*	1189.0	744.0	5.0	*
7. SE 164S	*	1189.0	662.0	5.0	*
8. SE 256S	*	1189.0	574.0	5.0	*
9. SE MIDS	*	1098.0	233.0	5.0	*
10. NE COR	*	1229.0	958.0	5.0	*
11. NE 82E	*	1290.0	923.0	5.0	*
12. NE 164E	*	1368.0	903.0	5.0	*
13. NE 256E	*	1449.0	884.0	5.0	*
14. NE MIDE	*	1727.0	839.0	5.0	*
15. NE 82N	*	1217.0	1017.0	5.0	*
16. NE 164N	*	1228.0	1094.0	5.0	*
17. NE 256N	*	1241.0	1181.0	5.0	*
18. NE MIDN	*	1280.0	1355.0	5.0	*
19. SW COR	*	1073.0	842.0	5.0	*
20. SW 82W	*	1014.0	883.0	5.0	*
21. SW 164W	*	931.0	907.0	5.0	*
22. SW 256W	*	849.0	931.0	5.0	*
23. SW MIDW	*	564.0	1020.0	5.0	*
24. SW 82S	*	1093.0	794.0	5.0	*
25. SW 164S	*	1093.0	680.0	5.0	*
26. SW 256S	*	1093.0	621.0	5.0	*
27. SW MIDS	*	1027.0	317.0	5.0	*
28. NW COR	*	1084.0	1013.0	5.0	*
29. NW 82N	*	1117.0	1065.0	5.0	*
30. NW 164N	*	1134.0	1139.0	5.0	*
31. NW 256N	*	1149.0	1230.0	5.0	*
32. NW MIDN	*	1178.0	1380.0	5.0	*
33. NW 82W	*	1027.0	998.0	5.0	*
34. NW 164W	*	953.0	1015.0	5.0	*
35. NW 256W	*	849.0	1044.0	5.0	*
36. NW MIDW	*	567.0	1110.0	5.0	*

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JOB: S12 MD410&201 NB15PM

RUN: S12 MD410&201 NB15PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.7	.6	.5	.5	.8	.7	.5	.8	.5	.1	.0	.0	.0	.6	.5	.4	.5	.9
5.	*	.7	.6	.5	.5	.5	.6	.6	.4	1.1	.4	.0	.0	.0	.0	.6	.5	.4	.5	.9
10.	*	.5	.6	.5	.5	.5	.7	.4	.3	.9	.1	.0	.0	.0	.0	.3	.3	.3	.4	.9
15.	*	.4	.6	.5	.5	.5	.4	.4	.2	1.0	.0	.0	.0	.0	.0	.3	.3	.2	.2	1.1
20.	*	.4	.6	.5	.5	.5	.4	.2	.1	.9	.0	.0	.0	.0	.0	.1	.1	.1	.7	1.0
25.	*	.4	.6	.5	.5	.5	.3	.2	.1	.7	.0	.0	.0	.0	.0	.0	.1	.0	.7	1.0
30.	*	.4	.6	.5	.5	.5	.3	.1	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.0
35.	*	.4	.6	.5	.5	.5	.3	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1
40.	*	.4	.5	.5	.5	.5	.3	.1	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.1
45.	*	.4	.5	.5	.5	.5	.3	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.1
50.	*	.4	.5	.5	.5	.5	.3	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.0
55.	*	.4	.5	.5	.5	.5	.2	.1	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9
60.	*	.4	.5	.5	.5	.7	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8
65.	*	.4	.6	.6	.7	.7	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
70.	*	.4	.6	.5	.7	.6	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
75.	*	.5	.6	.5	.6	.6	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
80.	*	.4	.5	.6	.6	.6	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	.7
85.	*	.4	.4	.6	.7	.7	.2	.1	.1	.2	.0	.0	.0	.0	.2	.0	.0	.0	.8	.6
90.	*	.4	.4	.6	.7	.7	.2	.1	.1	.2	.0	.1	.1	.2	.0	.0	.0	.0	.8	.7
95.	*	.3	.4	.5	.6	.4	.1	.1	.1	.2	.1	.2	.1	.2	.3	.0	.0	.0	.9	.6
100.	*	.3	.4	.4	.5	.4	.1	.1	.0	.2	.2	.3	.3	.3	.4	.1	.0	.0	.9	.5
105.	*	.2	.3	.4	.5	.3	.1	.0	.0	.2	.2	.4	.4	.5	.4	.1	.1	.0	.8	.4
110.	*	.1	.2	.2	.2	.2	.0	.0	.0	.2	.4	.6	.7	.6	.6	.1	.1	.0	.7	.5
115.	*	.0	.2	.2	.2	.1	.0	.0	.0	.2	.5	.6	.8	.7	.7	.2	.1	.1	.0	.4
120.	*	.0	.0	.1	.1	.1	.0	.0	.0	.2	.5	.7	.7	.8	.6	.2	.1	.1	.0	.3
125.	*	.0	.0	.1	.0	.0	.0	.0	.0	.2	.5	.7	.6	.7	.5	.2	.1	.1	.1	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.6	.6	.5	.4	.1	.1	.1	.3

135.	*	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.7	.5	.5	.4	.1	.1	.1	.9	.4
140.	*	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.6	.5	.5	.3	.1	.1	.1	.9	.4
145.	*	.0	.0	.0	.0	.0	.0	.0	.3	.6	.7	.6	.5	.5	.3	.1	.1	.1	.8	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.3	.6	.7	.6	.5	.5	.3	.1	.1	.1	.8	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.3	.6	.6	.6	.5	.5	.3	.1	.1	.1	.7	.4
160.	*	.0	.0	.0	.0	.0	.1	.1	.0	.3	.5	.6	.6	.5	.5	.3	.2	.1	.7	.4
165.	*	.0	.0	.0	.0	.0	.2	.1	.1	.3	.5	.6	.6	.6	.5	.3	.2	.1	.6	.2
170.	*	.1	.0	.0	.0	.0	.4	.3	.1	.3	.6	.7	.6	.6	.5	.4	.3	.1	.5	.2
175.	*	.2	.1	.0	.0	.0	.5	.4	.3	.2	.7	.7	.5	.6	.5	.5	.3	.3	.0	.5
180.	*	.3	.1	.0	.0	.0	.7	.8	.5	.2	.8	.8	.5	.5	.5	.6	.4	.4	.1	.3
185.	*	.5	.2	.1	.0	.0	1.0	.8	.7	.1	.9	.9	.5	.5	.5	.9	.3	.3	.4	.2
190.	*	.6	.3	.1	.0	.0	1.1	1.1	.8	.1	.9	.9	.7	.5	.5	.9	.3	.4	.5	.1
195.	*	.7	.3	.1	.1	.0	1.3	1.1	1.0	.0	.9	1.0	.8	.6	.5	.9	.5	.5	.6	.0
200.	*	.7	.4	.2	.1	.0	1.4	1.2	1.1	.0	.9	1.1	.9	.6	.5	.8	.5	.8	.5	.0
205.	*	.8	.4	.2	.1	.0	1.4	1.2	1.4	.2	.8	1.1	.8	.7	.5	.7	.5	.7	.6	.0

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JOB: S12 MD410&amp;201 NB15PM

RUN: S12 MD410&amp;201 NB15PM

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WIND	* CONCENTRATION																				
ANGLE	* (PPM)																				
(DEGR)	* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.8	.4	.2	.2	.0	1.2	1.2	1.3	.2	.8	1.1	.7	.7	.5	.4	.6	.6	.7	.0	.0
215.	*	.8	.5	.2	.2	.0	1.2	1.2	1.1	.2	.6	1.2	.8	.7	.5	.3	.7	.8	.7	.0	.0
220.	*	.8	.6	.2	.2	.0	1.2	1.1	1.1	.3	.5	1.2	.8	.7	.5	.5	.8	.9	.7	.0	.0
225.	*	.8	.6	.2	.2	.1	1.2	1.1	1.1	.3	.5	1.1	.8	.7	.6	.4	.8	1.0	.7	.0	.0
230.	*	.8	.6	.2	.2	.1	1.1	1.0	1.0	.3	.4	1.1	.8	.8	.6	.7	.9	.9	.7	.0	.0
235.	*	.8	.6	.2	.2	.1	1.1	.9	1.0	.3	.4	1.1	.9	.8	.7	.8	.9	.9	.8	.0	.0
240.	*	.8	.6	.2	.2	.1	.9	.9	1.0	.3	.5	1.0	.9	.9	.8	.9	.9	.9	.7	.0	.0
245.	*	.8	.6	.2	.2	.2	.9	.9	.9	.4	.6	.7	.9	.9	.7	.9	.9	.7	.7	.0	.0
250.	*	.7	.6	.2	.2	.2	.9	.9	.9	.4	.6	.7	.8	.8	.7	1.0	.9	.8	.7	.0	.0
255.	*	.6	.5	.2	.2	.1	.9	.9	.9	.3	.7	.8	.7	.7	.7	1.0	.9	.8	.7	.0	.0
260.	*	.6	.5	.3	.2	.1	.9	.9	.9	.3	.8	.8	.8	.6	.5	1.0	.9	.8	.5	.0	.0
265.	*	.6	.4	.3	.3	.1	.9	.9	.9	.4	.9	.8	.9	.8	.5	1.0	.8	.8	.5	.0	.0
270.	*	.6	.4	.4	.3	.2	.9	.9	.9	.4	.9	.8	.8	.8	.5	1.0	.8	.8	.4	.0	.1
275.	*	.8	.6	.5	.6	.3	.9	.9	.9	.3	.9	.9	.8	.6	.6	1.0	.8	.6	.4	.2	.3
280.	*	.8	.8	.5	.4	.5	.9	.9	1.0	.3	.8	.8	.7	.6	.4	.9	.8	.6	.4	.2	.6
285.	*	.8	.9	.5	.5	.5	1.1	.9	.9	.3	.8	.6	.5	.5	.4	.8	.6	.6	.4	.4	.8
290.	*	.9	.9	.6	.7	.6	1.1	1.1	.8	.3	.7	.5	.6	.4	.2	.6	.6	.6	.4	.6	1.1
295.	*	1.0	.8	.7	.8	.5	1.1	1.1	.8	.3	.7	.5	.3	.2	.0	.6	.6	.7	.4	.7	1.4
300.	*	1.0	.8	.8	.7	.6	1.3	1.1	1.0	.3	.5	.2	.2	.1	.0	.6	.6	.6	.4	.9	1.5
305.	*	.8	.7	.9	.7	.7	1.4	1.1	1.2	.3	.5	.2	.2	.1	.0	.6	.6	.6	.4	.9	1.4
310.	*	.8	.5	.6	.6	.7	1.5	1.1	1.2	.3	.5	.3	.2	.1	.0	.6	.6	.6	.4	.9	1.4
315.	*	.7	.4	.6	.5	.6	1.4	1.3	1.2	.3	.5	.3	.2	.1	.0	.6	.6	.6	.4	.8	1.5
320.	*	.6	.4	.8	.6	.6	1.4	1.4	1.3	.3	.6	.3	.2	.1	.0	.6	.6	.6	.4	.7	1.2
325.	*	.3	.7	.9	.6	.6	1.4	1.4	1.3	.3	.6	.3	.1	.0	.0	.6	.6	.7	.4	.7	1.1
330.	*	.4	.7	.8	.5	.6	1.2	1.3	1.3	.4	.6	.3	.2	.0	.0	.6	.6	.7	.4	.6	1.1
335.	*	.6	.8	.7	.5	.6	1.0	1.2	1.2	.4	.6	.3	.2	.0	.0	.7	.6	.6	.4	.6	1.1
340.	*	.6	.8	.7	.5	.5	.9	1.0	1.0	.4	.5	.3	.1	.0	.0	.7	.7	.5	.4	.6	1.0
345.	*	.7	.8	.6	.5	.5	.8	.9	.9	.4	.5	.4	.1	.0	.0	.6	.7	.5	.5	.6	1.0
350.	*	.5	.8	.6	.5	.5	1.0	1.0	.8	.5	.4	.2	.0	.0	.0	.6	.6	.5	.5	.5	1.0
355.	*	.6	.9	.5	.5	.5	.8	.8	.7	.7	.5	.1	.0	.0	.0	.6	.6	.6	.5	.4	.9
360.	*	.6	.7	.6	.5	.5	.8	.7	.5	.8	.5	.1	.0	.0	.0	.6	.5	.4	.5	.5	.9
MAX	*	1.0	.9	.9	.8	.7	1.5	1.4	1.4	1.1	.9	1.2	.9	.9	.8	1.0	.9	1.0	.8	.9	1.5
DEGR.	*	295	285	305	295	60	310	320	205	5	185	215	200	240	240	265	230	225	235	300	300

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JOB: S12 MD410&amp;201 NB15PM

RUN: S12 MD410&amp;201 NB15PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION																
ANGLE	* (PPM)																
(DEGR)	* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																
0.	*	1.1	1.0	1.1	.7	.3	.3	.0	.0	.2	.4	.3	.2	.0	.0	.0	.0
5.	*	1.1	1.0	1.1	.8	.5	.5	.1	.1	.3	.4	.4	.4	.0	.0	.0	.0
10.	*	1.1	1.0	1.1	.9	.6	.8	.4	.3	.5	.6	.5	.4	.0	.0	.0	.0
15.	*	1.1	1.0	1.1	.9	.8	.9	.5	.3	.5	.7	.6	.5	.1	.0	.0	.0
20.	*	1.1	1.0	1.1	.9	.7	.8	.5	.5	.7	.9	.8	.6	.3	.0	.0	.0
25.	*	1.1	1.0	1.1	.8	.8	.9	.5	.5	.8	.9	.8	.8	.3	.0	.0	.0
30.	*	1.3	1.0	1.1	.4	.8	.9	.6	.7	.8	.9	.9	.8	.4	.1	.0	.0
35.	*	1.3	1.0	1.1	.4	1.0	1.1	.7	.6	.8	.8	.9	.8	.3	.2	.0	.0
40.	*	1.3	1.0	1.1	.5	1.0	1.0	.7	.5	.8	.7	.8	.6	.3	.3	.0	.0
45.	*	1.3	1.1	1.1	.7	.9	1.0	.6	.5	.6	.8	.8	.6	.2	.3	.0	.0
50.	*	1.3	1.1	1.2	.7	.9	1.0	.6	.5	.6	.8	.8	.5	.3	.2	.0	.0
55.	*	1.2	1.2	1.2	.7	.9	.9	.6	.5	.6	.7	.7	.4	.4	.2	.0	.0
60.	*	1.3	1.2	1.2	.8	.9	.9	.6	.5	.6	.7	.7	.4	.4	.1	.1	.0
65.	*	1.3	1.4	1.2	.9	.9	.9	.7	.5	.6	.7	.7	.4	.4	.1	.1	.0
70.	*	1.2	1.4	1.2	.9	.9	.9	.6	.5	.6	.7	.7	.4	.4	.2	.1	.1
75.	*	1.2	1.3	1.3	.9	.9	.9	.6	.5	.6	.7	.7	.4	.4	.2	.1	.1
80.	*	1.2	1.3	1.5	.9	.9	.9	.6	.5	.6	.7	.7	.4	.4	.2	.1	.1
85.	*	1.1	1.3	1.6	.9	.9	.9	.6	.5	.6	.6	.7	.4	.3	.2	.1	.1
90.	*	.9	1.2	1.5	.9	.9	.9	.6	.5	.6	.6	.7	.4	.4	.3	.2	.2

95.	*	.7	1.2	1.3	.9	.9	.9	.5	.6	.6	.6	.7	.4	.4	.4	.2	.4
100.	*	.6	.8	1.2	.9	.9	.8	.5	.6	.7	.6	.7	.4	.5	.2	.2	.7
105.	*	.4	.7	1.1	.9	.8	.7	.5	.7	.7	.6	.7	.4	.6	.3	.4	.9
110.	*	.5	.5	.8	.9	.8	.8	.5	.7	.7	.7	.8	.4	.6	.5	.5	1.0
115.	*	.4	.5	.5	.8	.8	.8	.5	.6	.8	.7	.9	.4	.6	.5	.8	1.2
120.	*	.3	.2	.4	.8	.8	.8	.4	.6	.8	.7	.8	.4	.5	.5	.8	1.2
125.	*	.3	.2	.2	.8	.8	.9	.4	.7	.8	.7	.8	.5	.5	.8	.8	1.3
130.	*	.3	.2	.1	.8	.8	.9	.4	.7	.8	.7	.8	.5	.6	.7	1.0	1.3
135.	*	.3	.2	.0	.8	.8	1.0	.4	.6	.8	.7	.8	.6	.6	1.0	1.1	1.3
140.	*	.3	.2	.0	.8	.8	.9	.4	.5	.8	.7	.8	.6	.8	1.1	1.2	1.0
145.	*	.2	.2	.0	1.0	.9	.9	.5	.3	.8	.8	.8	.6	.8	1.1	1.2	1.0
150.	*	.2	.2	.0	1.0	.9	.9	.5	.6	.9	.8	.8	.9	.9	1.2	1.2	1.0
155.	*	.2	.2	.0	1.0	1.0	1.0	.5	.6	.7	.8	.8	.9	.9	1.1	1.2	1.0
160.	*	.2	.1	.0	.9	1.0	1.0	.4	.6	.7	.8	1.0	.9	1.0	1.0	1.1	1.0
165.	*	.2	.1	.0	.9	1.0	.9	.4	.8	.8	.9	.9	1.0	1.0	1.0	1.0	1.0
170.	*	.1	.0	.0	.7	.9	.8	.4	.7	.7	.9	1.0	1.0	.9	1.0	.9	1.0
175.	*	.0	.0	.0	.7	.7	.7	.4	.8	.8	.9	1.0	1.2	.9	1.0	.9	1.0
180.	*	.0	.0	.0	.6	.6	.6	.6	.6	.8	1.0	1.0	1.0	1.0	.9	.8	1.0
185.	*	.0	.0	.0	.3	.4	.3	.4	.7	.5	.7	.9	1.0	.8	.9	.8	1.0
190.	*	.0	.0	.0	.3	.4	.3	.4	.6	.5	.5	.7	.7	.8	.9	.8	1.0
195.	*	.0	.0	.0	.1	.0	.1	.4	.4	.3	.5	.3	.5	.8	.9	.8	1.0
200.	*	.0	.0	.0	.0	.0	.0	.3	.5	.3	.2	.3	.3	.8	.9	.8	1.0
205.	*	.0	.0	.0	.0	.0	.0	.3	.5	.3	.3	.3	.3	.8	.9	.8	1.0

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JOB: S12 MD410&201 NB15PM

RUN: S12 MD410&201 NB15PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
210.	*	.0	.0	.0	.0	.0	.0	.2	.5	.3	.3	.3	.2	.8	.9	.8	1.0
215.	*	.0	.0	.0	.0	.0	.0	.2	.5	.3	.3	.3	.2	.9	.9	.8	1.0
220.	*	.0	.0	.0	.0	.0	.0	.1	.5	.3	.3	.3	.1	.9	.9	.8	1.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.2	.9	.9	.8	1.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.2	.2	.9	.9	.8	1.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.2	.2	.9	.9	.8	1.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.6	.5	.3	.2	.2	1.0	.9	.9	1.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.2	1.0	.9	.9	1.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.2	.9	.9	.9	1.2
255.	*	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.0	.9	.9	.9	1.2
260.	*	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.0	.9	1.0	1.0	1.2
265.	*	.0	.0	.2	.0	.0	.0	.0	.8	.4	.2	.2	.0	1.0	1.0	1.0	1.2
270.	*	.1	.1	.3	.0	.0	.0	.0	.5	.4	.2	.0	.0	.9	1.1	.9	1.1
275.	*	.2	.2	.5	.0	.0	.0	.0	.6	.2	.2	.0	.0	1.1	1.0	.9	1.0
280.	*	.7	.6	.7	.1	.0	.0	.0	.5	.2	.0	.0	.0	.9	.9	.8	.9
285.	*	.9	.9	.9	.2	.0	.0	.0	.3	.1	.0	.0	.0	.6	.7	.6	.8
290.	*	1.0	1.0	1.2	.2	.1	.0	.0	.2	.0	.0	.0	.0	.4	.4	.4	.6
295.	*	1.3	1.1	1.3	.4	.2	.1	.0	.0	.0	.0	.0	.0	.3	.4	.4	.4
300.	*	1.6	1.4	1.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	.1	.1	.0	.2
305.	*	1.5	1.4	1.4	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
310.	*	1.4	1.4	1.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
315.	*	1.5	1.4	1.4	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	1.3	1.3	1.3	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
325.	*	1.2	1.1	1.3	.6	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	1.2	1.2	1.3	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	1.2	1.2	1.2	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	1.1	1.1	1.2	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	1.1	1.1	1.1	.4	.4	.3	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0
350.	*	1.1	1.1	1.1	.5	.4	.2	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0
355.	*	1.1	1.1	1.1	.6	.3	.2	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0
360.	*	1.1	1.0	1.1	.7	.3	.3	.0	.0	.2	.4	.3	.2	.0	.0	.0	.0

MAX	*	1.6	1.4	1.6	1.0	1.0	1.1	.7	.8	.9	.9	1.0	1.2	1.1	1.2	1.2	1.3
DEGR.	*	300	65	85	145	155	35	35	165	150	20	160	175	275	150	140	125

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 300 DEGREES FROM REC21.  
 THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 85 DEGREES FROM REC23.  
 THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC20.

S12 410&201 LBRT 2015AM			60.0321.0.0000.000360.30480000	1	1
SE COR	335164.	471081.	5.0		
SE 82S	335147.	471029.	5.0		
SE 164S	335148.	470946.	5.0		
SE 256S	335148.	470862.	5.0		
SE MIDS	335145.	470710.	5.0		
SE 82E	335223.	471085.	5.0		
SE 164E	335306.	471060.	5.0		
SE 256E	335383.	471039.	5.0		
SE MIDE	335665.	470987.	5.0		
NE COR	335193.	471253.	5.0		
NE 82N	335187.	471316.	5.0		
NE 164N	335204.	471401.	5.0		
NE 256N	335207.	471489.	5.0		
NE MIDN	335262.	471780.	5.0		
NE 82E	335243.	471230.	5.0		
NE 164E	335325.	471209.	5.0		
NE 256E	335406.	471189.	5.0		
NE MIDE	335678.	471145.	5.0		
SW COR	335031.	471127.	5.0		
SW 82S	335048.	471070.	5.0		
SW 164S	335049.	470999.	5.0		
SW 256S	335048.	470923.	5.0		
SW MIDS	335042.	470711.	5.0		
SW 82W	334979.	471168.	5.0		
SW 164W	334896.	471192.	5.0		
SW 256W	334823.	471211.	5.0		
SW MIDW	334609.	471258.	5.0		
NW COR	335028.	471298.	5.0		
NW 82N	335060.	471344.	5.0		
NW 164N	335077.	471429.	5.0		
NW 256N	335092.	471505.	5.0		
NW MIDN	335149.	471783.	5.0		
NW 82W	334970.	471290.	5.0		
NW 164W	334887.	471314.	5.0		
NW 256W	334809.	471339.	5.0		
NW MIDW	334612.	471375.	5.0		
S12 410&201 LBRT 2015AM			61 1 0		
1					
EBL	MD410	AG335098.471196.334749.471287.	305 3.8 0. 44	40	
2					
EBL	MD410	AG335037.471212.334873.471254.	0. 24 2		
150	130	2.0 305 37.8 1717 1 3			
1					
EBT&R	MD410	AG335098.471172.334738.471259.	1160 3.8 0. 44	40	
2					
EBT	MD410	AG335029.471188.334859.471231.	0. 36 3		
150	94	2.0 1160 37.8 1707 1 3			
1					
EBALL	MD410	AG334729.471266.334123.471372.	1465 3.8 0. 44	40	
1					
EBDP	MD410	AG336088.471006.335809.471021.	985 3.8 0. 56	40	
1					
EBDP	MD410	AG335809.471021.335558.471052.	985 3.8 0. 56	40	
1					
EBDP	MD410	AG335558.471052.335338.471099.	985 3.8 0. 56	40	
1					
EBDP	MD410	AG335338.471099.335097.471165.	985 3.8 0. 56	40	
1					
WBL	MD410	AG335099.471184.335402.471113.	45 3.5 0. 32	34	
2					
WBL	MD410	AG335152.471171.335304.471136.	0. 12 1		
150	139	2.0 45 37.8 1770 1 3			
1					
WBT	MD410	AG335107.471202.335487.471112.	1475 3.5 0. 44	34	
2					
WBT	MD410	AG335164.471188.335396.471133.	0. 24 2		
150	104	2.0 1475 37.8 1770 1 3			
1					
WBR	MD410	AG335151.471256.335204.471198.	485 3.5 0. 32	34	
1					
WBR	MD410	AG335204.471198.335488.471129.	485 3.5 0. 32	34	
1					
WBALL	MD410	AG335487.471118.335719.471081.	2005 3.5 0. 56	34	
1					
WBALL	MD410	AG335719.471081.335974.471059.	2005 3.5 0. 56	34	
1					
WBALL	MD410	AG335974.471059.336097.471059.	2005 3.5 0. 56	34	
1					
WBDP	MD410	AG334136.471439.334790.471313.	2125 3.5 0. 56	34	
1					
WBDP	MD410	AG334790.471313.335117.471214.	2125 3.5 0. 56	34	
1					
NBL	MD201	AG335103.471187.335103.470844.	355 3.5 0. 44	30	
2					
NBL	MD201	AG335103.471079.335103.470919.	0. 24 2		
150	130	2.0 355 37.8 1717 1 3			
1					
NBT&R	MD201	AG335127.471184.335127.470844.	825 3.5 0. 44	30	
2					
NBT&R	MD201	AG335127.471081.335127.470881.	0. 24 2		
150	91	2.0 825 37.8 1770 1 3			
1					
NBR	MD201	AG335215.471131.335128.471086.	35 3.5 0. 32	30	
1					



NBALL	MD201	AG335117.470845.335128.470197.	1180 3.5 0. 56 30
1			
NBDP	MD201	AG335351.472166.335281.471962.	1580 3.5 0. 44 30
1			
NBDP	MD201	AG335281.471962.335220.471692.	1580 3.5 0. 44 30
1			
NBDP	MD201	AG335220.471692.335134.471213.	1580 3.5 0. 44 30
1			
SBL	MD201	AG335116.471204.335153.471436.	110 3.7 0. 32 23
2			
SBL	MD201	AG335124.471252.335142.471367.	0. 12 1
150	129	2.0 110 37.8 1770 1 3	
1			
SBT	MD201	AG335099.471207.335138.471435.	1595 3.7 0. 44 23
2			
SBT	MD201	AG335110.471271.335133.471408.	0. 24 2
150	90	2.0 1595 37.8 1770 1 3	
1			
SBR	MD201	AG335081.471226.335119.471436.	295 3.7 0. 32 23
2			
SBR	MD201	AG335092.471287.335109.471378.	0. 12 1
150	11	2.0 295 37.8 1583 1 3	
1			
SBALL	MD201	AG335136.471437.335203.471800.	2000 3.7 0. 44 23
1			
SBALL	MD201	AG335203.471800.335240.471959.	2000 3.7 0. 44 23
1			
SBALL	MD201	AG335240.471959.335319.472174.	2000 3.7 0. 44 23
1			
SBDP	MD201	AG335061.470196.335076.471195.	1960 3.7 0. 44 23
1			
EBDP	201BUS	AG336082.470984.335797.470998.	34 1.6 0. 32 40
1			
EBDP	201BUS	AG335797.470998.335580.471026.	34 1.6 0. 32 40
1			
EBDP	201BUS	AG335580.471026.335336.471072.	34 1.6 0. 32 40
1			
EBDP	201BUS	AG335336.471072.335103.471135.	34 1.6 0. 32 40
1			
EBDP	201BUS	AG335103.471135.335067.471158.	34 1.6 0. 32 40
1			
EBDP	201BUS	AG335067.471158.335054.471207.	34 1.6 0. 32 40
1			
SBL	201BUS	AG335057.471207.335075.471326.	34 2.6 0. 32 40
1			
SBL	201BUS	AG335075.471326.335118.471555.	34 2.6 0. 32 40
2			
SBL	201BUS	AG335079.471347.335100.471461.	0. 12 1
150	129	2.0 34 25.3 1583 1 3	
1			
SBL	201BUS	AG335118.471555.335164.471805.	34 2.6 0. 32 40
1			
SBL	201BUS	AG335164.471805.335210.471984.	34 2.6 0. 32 40
1			
SBL	201BUS	AG335210.471984.335279.472178.	34 2.6 0. 32 40
1			
SBDP	201BUS	AG335291.472178.335216.471957.	34 2.6 0. 32 23
1			
SBDP	201BUS	AG335216.471957.335170.471772.	34 2.6 0. 32 23
1			
SBDP	201BUS	AG335170.471772.335079.471276.	34 2.6 0. 32 23
1			
SBDP	201BUS	AG335079.471276.335092.471242.	34 2.6 0. 32 23
1			
WBR	410BUS	AG335093.471241.335242.471200.	34 2.0 0. 32 30
1			
WBR	410BUS	AG335242.471200.335481.471144.	34 2.0 0. 32 30
2			
WBR	410BUS	AG335252.471198.335381.471167.	0. 12 1
150	115	2.0 34 25.3 1583 1 3	
1			
WBR	410BUS	AG335481.471144.335641.471115.	34 2.0 0. 32 30
1			
WBR	410BUS	AG335641.471115.335869.471088.	34 2.0 0. 32 30
1			
WBR	410BUS	AG335869.471088.336099.471080.	34 2.0 0. 32 30
1.0 04 1000 0Y 5 0 72			

JOB: S12 410&201 LBRT 2015AM  
 DATE: 01/11/2008 TIME: 13:13:44.41

RUN: S12 410&201 LBRT 2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1.	EBL	MD410	* 335098.0	471196.0	334749.0	471287.0	*	361.	285. AG	305.	3.8	.0	44.0		
2.	EBL	MD410	* 335037.0	471212.0	334915.7	471243.1	*	125.	284. AG	176.	100.0	.0	24.0	.83	6.4
3.	EBT&R	MD410	* 335098.0	471172.0	334738.0	471259.0	*	370.	284. AG	1160.	3.8	.0	44.0		
4.	EBT	MD410	* 335029.0	471188.0	334836.7	471236.6	*	198.	284. AG	191.	100.0	.0	36.0	.65	10.1
5.	EBALL	MD410	* 334729.0	471266.0	334123.0	471372.0	*	615.	280. AG	1465.	3.8	.0	44.0		
6.	EBDP	MD410	* 336088.0	471006.0	335809.0	471021.0	*	279.	273. AG	985.	3.8	.0	56.0		
7.	EBDP	MD410	* 335809.0	471021.0	335558.0	471052.0	*	253.	277. AG	985.	3.8	.0	56.0		
8.	EBDP	MD410	* 335558.0	471052.0	335338.0	471099.0	*	225.	282. AG	985.	3.8	.0	56.0		
9.	EBDP	MD410	* 335338.0	471099.0	335097.0	471165.0	*	250.	285. AG	985.	3.8	.0	56.0		
10.	WBL	MD410	* 335099.0	471184.0	335402.0	471113.0	*	311.	103. AG	45.	3.5	.0	32.0		
11.	WBL	MD410	* 335152.0	471171.0	335186.3	471163.1	*	35.	103. AG	94.	100.0	.0	12.0	.55	1.8
12.	WBT	MD410	* 335107.0	471202.0	335487.0	471112.0	*	391.	103. AG	1475.	3.5	.0	44.0		
13.	WBT	MD410	* 335164.0	471188.0	338045.6	470504.8	*	2961.	103. AG	141.	100.0	.0	24.0	1.49	150.4
14.	WBR	MD410	* 335151.0	471256.0	335204.0	471198.0	*	79.	138. AG	485.	3.5	.0	32.0		
15.	WBR	MD410	* 335204.0	471198.0	335488.0	471129.0	*	292.	104. AG	485.	3.5	.0	32.0		
16.	WBALL	MD410	* 335487.0	471118.0	335719.0	471081.0	*	235.	99. AG	2005.	3.5	.0	56.0		
17.	WBALL	MD410	* 335719.0	471081.0	335974.0	471059.0	*	256.	95. AG	2005.	3.5	.0	56.0		
18.	WBALL	MD410	* 335974.0	471059.0	336097.0	471059.0	*	123.	90. AG	2005.	3.5	.0	56.0		
19.	WBDP	MD410	* 334136.0	471439.0	334790.0	471313.0	*	666.	101. AG	2125.	3.5	.0	56.0		
20.	WBDP	MD410	* 334790.0	471313.0	335117.0	471214.0	*	342.	107. AG	2125.	3.5	.0	56.0		
21.	NBL	MD201	* 335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	355.	3.5	.0	44.0		
22.	NBL	MD201	* 335103.0	471079.0	335103.0	470901.3	*	178.	180. AG	176.	100.0	.0	24.0	.97	9.0
23.	NBT&R	MD201	* 335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	825.	3.5	.0	44.0		
24.	NBT&R	MD201	* 335127.0	471081.0	335127.0	470876.0	*	205.	180. AG	123.	100.0	.0	24.0	.63	10.4
25.	NBR	MD201	* 335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	35.	3.5	.0	32.0		
26.	NBALL	MD201	* 335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1180.	3.5	.0	56.0		
27.	NBDP	MD201	* 335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	1580.	3.5	.0	44.0		
28.	NBDP	MD201	* 335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	1580.	3.5	.0	44.0		
29.	NBDP	MD201	* 335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	1580.	3.5	.0	44.0		
30.	SBL	MD201	* 335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	110.	3.7	.0	32.0		
31.	SBL	MD201	* 335124.0	471252.0	335136.0	471328.6	*	78.	9. AG	87.	100.0	.0	12.0	.55	3.9
32.	SBT	MD201	* 335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1595.	3.7	.0	44.0		
33.	SBT	MD201	* 335110.0	471271.0	335423.0	473135.8	*	1891.	10. AG	122.	100.0	.0	24.0	1.21	96.1
34.	SBR	MD201	* 335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	295.	3.7	.0	32.0		
35.	SBR	MD201	* 335092.0	471287.0	335095.2	471304.4	*	18.	11. AG	7.	100.0	.0	12.0	.21	.9
36.	SBALL	MD201	* 335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2000.	3.7	.0	44.0		
37.	SBALL	MD201	* 335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2000.	3.7	.0	44.0		
38.	SBALL	MD201	* 335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2000.	3.7	.0	44.0		
39.	SBDP	MD201	* 335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1960.	3.7	.0	44.0		
40.	EBDP	201BUS	* 336082.0	470984.0	335797.0	470998.0	*	285.	273. AG	34.	1.6	.0	32.0		
41.	EBDP	201BUS	* 335797.0	470998.0	335580.0	471026.0	*	219.	277. AG	34.	1.6	.0	32.0		
42.	EBDP	201BUS	* 335580.0	471026.0	335336.0	471072.0	*	248.	281. AG	34.	1.6	.0	32.0		
43.	EBDP	201BUS	* 335336.0	471072.0	335103.0	471135.0	*	241.	285. AG	34.	1.6	.0	32.0		
44.	EBDP	201BUS	* 335103.0	471135.0	335067.0	471158.0	*	43.	303. AG	34.	1.6	.0	32.0		

JOB: S12 410&201 LBRT 2015AM  
 DATE: 01/11/2008 TIME: 13:13:44.41

RUN: S12 410&201 LBRT 2015AM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45.	EBDP	201BUS	* 335067.0	471158.0	335054.0	471207.0	*	51.	345. AG	34.	1.6	.0	32.0		
46.	SBL	201BUS	* 335057.0	471207.0	335075.0	471326.0	*	120.	9. AG	34.	2.6	.0	32.0		
47.	SBL	201BUS	* 335075.0	471326.0	335118.0	471555.0	*	233.	11. AG	34.	2.6	.0	32.0		
48.	SBL	201BUS	* 335079.0	471347.0	335083.4	471370.6	*	24.	10. AG	58.	100.0	.0	12.0	.19	1.2
49.	SBL	201BUS	* 335118.0	471555.0	335164.0	471805.0	*	254.	10. AG	34.	2.6	.0	32.0		
50.	SBL	201BUS	* 335164.0	471805.0	335210.0	471984.0	*	185.	14. AG	34.	2.6	.0	32.0		
51.	SBL	201BUS	* 335210.0	471984.0	335279.0	472178.0	*	206.	20. AG	34.	2.6	.0	32.0		
52.	SBDP	201BUS	* 335291.0	472178.0	335216.0	471957.0	*	233.	199. AG	34.	2.6	.0	32.0		
53.	SBDP	201BUS	* 335216.0	471957.0	335170.0	471772.0	*	191.	194. AG	34.	2.6	.0	32.0		
54.	SBDP	201BUS	* 335170.0	471772.0	335079.0	471276.0	*	504.	190. AG	34.	2.6	.0	32.0		
55.	SBDP	201BUS	* 335079.0	471276.0	335092.0	471242.0	*	36.	159. AG	34.	2.6	.0	32.0		
56.	WBR	410BUS	* 335093.0	471241.0	335242.0	471200.0	*	155.	105. AG	34.	2.0	.0	32.0		
57.	WBR	410BUS	* 335242.0	471200.0	335481.0	471144.0	*	245.	103. AG	34.	2.0	.0	32.0		
58.	WBR	410BUS	* 335252.0	471198.0	335272.8	471193.1	*	21.	104. AG	52.	100.0	.0	12.0	.10	1.1
59.	WBR	410BUS	* 335481.0	471144.0	335641.0	471115.0	*	163.	100. AG	34.	2.0	.0	32.0		
60.	WBR	410BUS	* 335641.0	471115.0	335869.0	471088.0	*	230.	97. AG	34.	2.0	.0	32.0		
61.	WBR	410BUS	* 335869.0	471088.0	336099.0	471080.0	*	230.	92. AG	34.	2.0	.0	32.0		

JOB: S12 410&201 LBRT 2015AM  
 DATE: 01/11/2008 TIME: 13:13:44.41

RUN: S12 410&201 LBRT 2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
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RECEPTOR LOCATIONS

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## WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

[illegible]

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50. * .4 .2 .1 .1 .1 .4 .4 .3 .4 .0 .0 .0 .0 .0 .0 .0 .0 .3 .5
55. * .4 .2 .1 .1 .1 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0 .4 .5
60. * .4 .2 .1 .1 .1 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0 .4 .5
65. * .4 .1 .1 .1 .1 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0 .5 .6
70. * .4 .1 .1 .1 .1 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0 .5 .6
75. * .4 .1 .1 .1 .1 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0 .6 .7
80. * .4 .2 .1 .1 .1 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0 .6 .6
85. * .3 .2 .1 .1 .1 .5 .4 .4 .3 .0 .0 .0 .0 .0 .0 .0 .0 .6 .7
90. * .2 .2 .1 .1 .1 .4 .4 .3 .3 .1 .0 .0 .0 .0 .1 .1 .1 .6 .7
95. * .2 .1 .1 .1 .0 .3 .3 .2 .2 .1 .1 .0 .0 .0 .1 .1 .1 .2 .5 .7
100. * .2 .1 .1 .1 .0 .2 .3 .2 .2 .2 .1 .0 .0 .0 .2 .2 .3 .2 .5 .7
105. * .1 .1 .0 .0 .0 .2 .1 .1 .2 .2 .1 .1 .0 .0 .3 .4 .4 .3 .4 .7
110. * .1 .0 .0 .0 .0 .1 .1 .1 .1 .4 .2 .1 .1 .0 .4 .4 .4 .3 .5 .7
115. * .0 .0 .0 .0 .0 .1 .0 .0 .1 .4 .2 .1 .1 .0 .4 .5 .4 .4 .5 .7
120. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .2 .1 .1 .1 .4 .5 .4 .4 .4 .7
125. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .2 .1 .1 .1 .4 .4 .4 .4 .4 .7
130. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .3 .1 .1 .1 .4 .4 .5 .3 .5 .8
135. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .1 .1 .1 .4 .5 .5 .4 .5 .9
140. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .1 .1 .1 .4 .5 .5 .4 .5 .8
145. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .1 .1 .1 .4 .5 .5 .4 .5 .8
150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .2 .1 .1 .1 .3 .5 .5 .4 .5 .7
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .2 .1 .1 .1 .3 .3 .4 .4 .5 .7
160. * .0 .0 .0 .0 .0 .1 .0 .0 .0 .4 .2 .1 .1 .1 .4 .3 .4 .4 .5 .6
165. * .0 .2 .0 .1 .1 .0 .0 .0 .0 .4 .2 .1 .1 .0 .4 .3 .4 .4 .4 .7
170. * .0 .2 .3 .1 .1 .0 .0 .0 .0 .4 .2 .1 .2 .0 .4 .3 .4 .4 .3 .5
175. * .1 .3 .3 .1 .2 .0 .0 .0 .0 .4 .2 .1 .2 .1 .4 .3 .4 .4 .3 .5
180. * .2 .7 .4 .2 .3 .0 .0 .0 .0 .5 .3 .1 .2 .2 .4 .3 .4 .5 .2 .4
185. * .5 .7 .5 .3 .3 .0 .0 .0 .0 .7 .5 .3 .3 .3 .4 .3 .4 .5 .1 .2
190. * .5 .8 .5 .3 .3 .1 .0 .0 .0 .7 .6 .3 .4 .4 .5 .3 .4 .5 .1 .2
195. * .7 .9 .6 .3 .3 .1 .0 .0 .0 .6 .6 .3 .5 .5 .7 .4 .4 .5 .0 .1
200. * .7 1.0 .6 .3 .3 .2 .0 .0 .0 .7 .5 .3 .6 .6 .7 .4 .3 .5 .0 .1
205. * .7 1.1 .7 .2 .3 .3 .1 .0 .0 .6 .3 .5 .5 .6 .7 .5 .3 .5 .0 .0

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JOB: S12 410&201 LBRT 2015AM

RUN: S12 410&201 LBRT 2015AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----*-----
210. * .8 1.1 .7 .2 .3 .3 .1 .0 .0 .5 .2 .6 .7 .7 .7 .5 .3 .5 .0 .0
215. * .8 1.0 .7 .3 .3 .3 .1 .0 .0 .4 .4 .5 .7 .7 .7 .7 .3 .4 .0 .0
220. * .8 1.1 .8 .3 .3 .3 .1 .0 .0 .2 .6 .7 .7 .6 .7 .7 .3 .4 .0 .0
225. * .8 1.0 .8 .3 .3 .4 .2 .0 .0 .2 .6 .7 .8 .6 .6 .6 .3 .4 .0 .0
230. * .8 1.0 .8 .3 .2 .4 .3 .0 .0 .3 .8 .8 .7 .6 .5 .7 .5 .4 .0 .0
235. * .8 .9 .9 .3 .2 .4 .3 .0 .0 .4 .8 .8 .7 .6 .4 .6 .6 .4 .0 .0
240. * .8 .9 .9 .3 .2 .4 .3 .0 .0 .5 .8 .8 .5 .6 .3 .6 .6 .4 .0 .0
245. * .7 .9 .9 .3 .2 .4 .3 .2 .0 .6 .8 .7 .5 .5 .3 .5 .6 .4 .0 .0
250. * .6 .9 .9 .2 .2 .3 .3 .2 .0 .6 .8 .7 .5 .5 .4 .3 .5 .4 .0 .0
255. * .6 .9 .9 .2 .2 .3 .3 .2 .0 .6 .8 .5 .5 .5 .4 .3 .4 .3 .0 .0
260. * .6 .9 .9 .2 .2 .3 .3 .2 .0 .7 .9 .4 .5 .5 .5 .4 .3 .3 .0 .0
265. * .6 .9 .9 .2 .2 .3 .3 .2 .0 .7 .8 .4 .5 .5 .4 .4 .4 .4 .0 .0
270. * .4 .9 .9 .2 .2 .3 .3 .2 .0 .7 .8 .4 .5 .5 .5 .5 .4 .4 .0 .0
275. * .4 .9 .9 .2 .2 .3 .3 .1 .0 .8 .7 .5 .5 .5 .5 .5 .4 .4 .0 .0
280. * .5 .9 .9 .3 .2 .2 .2 .0 .1 .8 .6 .5 .5 .5 .5 .2 .4 .1 .1 .0
285. * .4 .9 .9 .3 .2 .2 .1 .1 .1 .5 .6 .5 .5 .5 .6 .4 .1 .1 .1 .0
290. * .4 .9 .9 .3 .2 .5 .2 .2 .1 .5 .5 .4 .5 .5 .6 .4 .2 .0 .3 .0
295. * .5 1.0 .9 .4 .2 .6 .3 .3 .4 .4 .5 .5 .5 .5 .6 .3 .1 .0 .4 .2
300. * .7 1.0 .9 .5 .2 .6 .3 .3 .3 .4 .5 .5 .5 .5 .3 .1 .1 .0 .5 .2
305. * .6 1.0 1.0 .5 .2 .4 .4 .3 .4 .4 .5 .5 .5 .5 .3 .2 .1 .0 .7 .2
310. * .6 1.3 1.0 .6 .2 .4 .4 .3 .4 .5 .5 .5 .5 .5 .3 .2 .1 .0 .7 .3
315. * .6 1.2 1.1 .7 .3 .2 .3 .4 .4 .5 .5 .5 .5 .5 .3 .2 .1 .0 .7 .5
320. * .5 1.2 1.1 .9 .3 .4 .4 .6 .4 .5 .5 .5 .6 .5 .3 .2 .1 .0 .8 .5
325. * .5 1.0 1.2 .9 .3 .3 .5 .5 .4 .4 .5 .5 .6 .5 .3 .2 .1 .0 .8 .5
330. * .3 1.0 1.3 1.0 .3 .5 .5 .5 .4 .4 .5 .5 .6 .5 .2 .2 .1 .0 .8 .5
335. * .5 .7 1.2 1.0 .4 .6 .5 .5 .4 .4 .6 .5 .6 .5 .2 .1 .1 .0 .7 .5
340. * .5 .7 .9 1.0 .5 .6 .5 .5 .4 .5 .6 .5 .6 .5 .3 .1 .1 .0 .7 .5
345. * .6 .7 .9 1.0 .5 .5 .5 .5 .4 .5 .5 .5 .8 .6 .3 .1 .1 .0 .7 .6
350. * .5 .5 .8 1.0 .5 .6 .5 .5 .4 .4 .5 .5 .7 .6 .3 .1 .1 .0 .6 .5
355. * .7 .6 .6 .9 .5 .6 .5 .5 .4 .4 .5 .5 .7 .7 .3 .1 .1 .0 .5 .6
360. * .6 .5 .5 .6 .5 .6 .5 .5 .4 .4 .5 .5 .6 .7 .1 .1 .1 .0 .6 .7
-----*-----
MAX * .8 1.3 1.3 1.0 .5 .6 .5 .6 .5 .8 .9 .8 .8 .7 .7 .7 .6 .5 .8 .9
DEGR. * 210 310 330 330 0 0 0 320 30 275 260 230 225 0 195 215 235 180 320 135

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JOB: S12 410&201 LBRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36
-----*-----
0. * .6 .5 .5 1.0 .7 .2 .3 .1 .1 .1 .1 .0 .0 .0 .0
5. * .4 .5 .6 1.1 .8 .3 .3 .1 .1 .1 .2 .0 .0 .0 .0

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10.	*	.5	.5	.6	1.1	1.0	.3	.3	.1	.3	.3	.3	.2	.1	.0	.0	.0
15.	*	.6	.6	.6	1.1	1.0	.4	.3	.3	.3	.3	.3	.4	.1	.1	.0	.0
20.	*	.6	.8	.5	1.2	1.0	.5	.3	.3	.4	.4	.4	.5	.1	.1	.1	.0
25.	*	.5	.7	.5	1.2	1.0	.5	.3	.3	.5	.5	.4	.5	.2	.1	.1	.0
30.	*	.5	.8	.5	1.3	1.0	.6	.3	.4	.6	.6	.5	.5	.2	.1	.1	.0
35.	*	.7	.9	.5	1.3	1.0	.6	.4	.4	.6	.6	.6	.6	.2	.1	.1	.1
40.	*	.7	1.0	.5	1.2	1.2	.7	.4	.5	.6	.5	.5	.6	.2	.1	.1	.1
45.	*	.8	1.0	.5	1.2	1.2	.7	.4	.4	.6	.5	.5	.6	.3	.2	.1	.1
50.	*	.8	.9	.5	1.2	1.2	.8	.4	.4	.5	.5	.5	.5	.2	.2	.1	.1
55.	*	.8	.9	.4	1.1	1.3	1.0	.4	.4	.5	.4	.5	.5	.2	.1	.1	.1
60.	*	.7	.8	.4	.9	1.3	1.1	.4	.4	.5	.4	.5	.5	.3	.1	.1	.1
65.	*	.8	.8	.4	.8	1.3	1.1	.3	.4	.5	.4	.5	.5	.3	.1	.1	.0
70.	*	.8	.8	.4	.6	1.2	1.1	.3	.4	.5	.4	.5	.5	.3	.1	.1	.0
75.	*	.8	.8	.4	.8	1.2	1.2	.4	.4	.5	.4	.5	.5	.3	.1	.1	.1
80.	*	.8	.8	.4	.8	1.2	1.2	.5	.3	.5	.4	.5	.5	.3	.1	.1	.1
85.	*	.8	.8	.4	.7	1.2	1.3	.5	.4	.5	.5	.5	.4	.3	.2	.2	.1
90.	*	.8	.9	.4	.7	1.1	1.2	.6	.4	.5	.5	.5	.4	.4	.3	.2	.1
95.	*	.8	.7	.3	.7	1.0	1.1	.5	.5	.5	.4	.5	.4	.4	.3	.2	.4
100.	*	.8	.6	.3	.7	.8	1.0	.5	.6	.5	.4	.5	.5	.4	.3	.3	.4
105.	*	.8	.5	.3	.5	.6	.7	.4	.6	.6	.5	.6	.5	.6	.4	.4	.6
110.	*	.7	.5	.3	.2	.5	.5	.2	.6	.7	.5	.6	.5	.6	.6	.6	.6
115.	*	.7	.4	.3	.2	.4	.5	.1	.6	.7	.5	.5	.5	.6	.6	.6	.6
120.	*	.7	.4	.3	.3	.3	.3	.0	.5	.7	.5	.5	.6	.5	.6	.6	.6
125.	*	.7	.5	.3	.3	.3	.3	.0	.5	.8	.5	.5	.6	.6	.7	.8	.4
130.	*	.8	.4	.4	.3	.3	.2	.0	.4	.8	.5	.5	.6	.5	.8	.7	.4
135.	*	.7	.3	.4	.3	.3	.2	.0	.4	.6	.5	.5	.6	.6	.9	.7	.4
140.	*	.7	.3	.4	.3	.3	.1	.0	.3	.6	.5	.5	.5	.8	1.0	.8	.4
145.	*	.6	.4	.4	.3	.2	.1	.0	.3	.6	.5	.6	.7	1.0	1.1	.8	.4
150.	*	.6	.4	.4	.3	.1	.1	.0	.3	.3	.5	.6	.7	1.1	1.1	.7	.4
155.	*	.6	.4	.4	.3	.1	.1	.0	.5	.3	.5	.6	.7	1.2	1.0	.7	.4
160.	*	.6	.5	.4	.2	.1	.1	.0	.5	.3	.5	.6	.6	1.1	.8	.6	.3
165.	*	.6	.5	.5	.2	.1	.0	.0	.6	.5	.3	.4	.6	1.0	.8	.4	.3
170.	*	.6	.5	.4	.1	.1	.0	.0	.9	.5	.3	.4	.6	1.0	.8	.4	.3
175.	*	.5	.5	.3	.1	.0	.0	.0	.8	.4	.4	.4	.6	1.0	.6	.4	.3
180.	*	.3	.3	.3	.1	.0	.0	.0	.7	.3	.5	.3	.4	1.0	.6	.3	.3
185.	*	.3	.3	.2	.0	.0	.0	.0	.8	.5	.2	.3	.4	.9	.6	.3	.3
190.	*	.2	.2	.2	.0	.0	.0	.0	.8	.4	.4	.3	.3	.9	.6	.3	.4
195.	*	.1	.1	.1	.0	.0	.0	.0	.7	.4	.4	.3	.2	.9	.5	.3	.3
200.	*	.1	.1	.1	.0	.0	.0	.0	.7	.3	.3	.3	.1	.9	.5	.4	.3
205.	*	.1	.1	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.9	.5	.4	.3

1

JOB: S12 410&201 LBRT 2015AM

RUN: S12 410&201 LBRT 2015AM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.0	.8	.5	.2	.3
215.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.0	.8	.4	.2	.3
220.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.0	.8	.4	.2	.3
225.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.8	.4	.3	.3
230.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.7	.3	.4	.4
235.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.6	.3	.4	.4
240.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.7	.4	.4	.4
245.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.7	.3	.4	.4
250.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.1	.0	.6	.4	.5	.4
255.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.5	.5	.4	.4
260.	*	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.5	.5	.4	.5
265.	*	.0	.0	.0	.0	.0	.0	.1	.4	.2	.1	.0	.0	.6	.4	.4	.5
270.	*	.0	.0	.0	.1	.0	.1	.1	.3	.1	.1	.0	.0	.5	.5	.4	.5
275.	*	.0	.0	.0	.2	.3	.1	.1	.2	.1	.0	.0	.0	.5	.5	.4	.4
280.	*	.0	.0	.0	.3	.4	.3	.2	.2	.1	.0	.0	.0	.4	.5	.3	.3
285.	*	.0	.0	.0	.6	.4	.3	.3	.2	.0	.0	.0	.0	.3	.4	.2	.3
290.	*	.0	.0	.0	.7	.5	.3	.3	.1	.0	.0	.0	.0	.3	.2	.2	.2
295.	*	.0	.0	.0	.7	.7	.3	.4	.0	.0	.0	.0	.0	.2	.2	.1	.1
300.	*	.0	.0	.0	.9	.8	.3	.3	.0	.0	.0	.0	.0	.1	.2	.1	.1
305.	*	.0	.0	.0	1.1	.7	.3	.3	.0	.0	.0	.0	.0	.1	.1	.0	.1
310.	*	.1	.0	.0	1.1	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
315.	*	.1	.0	.0	1.0	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.0	.0	1.1	1.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.1	.0	1.1	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.3	.1	.0	1.0	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.3	.1	.0	1.1	.8	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.4	.3	.1	1.0	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.3	.2	1.0	.8	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.4	.3	.2	1.0	.7	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.6	.5	.2	1.0	.7	.2	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0
360.	*	.6	.5	.5	1.0	.7	.2	.3	.1	.1	.1	.1	.1	.0	.0	.0	.0
MAX	*	.8	1.0	.6	1.3	1.3	1.3	.6	.9	.8	.6	.6	.7	1.2	1.1	.8	.6
DEGR.	*	45	40	5	30	55	85	90	170	125	30	35	145	155	145	140	105

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 310 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 330 DEGREES FROM REC3 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 30 DEGREES FROM REC24.

S12 410&201 LBRT 2015PM				60.0321.0.0000.000360.30480000	1	1
SE COR		335164.	471081.	5.0		
SE 82S		335147.	471029.	5.0		
SE 164S		335148.	470946.	5.0		
SE 256S		335148.	470862.	5.0		
SE MIDS		335145.	470710.	5.0		
SE 82E		335223.	471085.	5.0		
SE 164E		335306.	471060.	5.0		
SE 256E		335383.	471039.	5.0		
SE MIDE		335665.	470987.	5.0		
NE COR		335193.	471253.	5.0		
NE 82N		335187.	471316.	5.0		
NE 164N		335204.	471401.	5.0		
NE 256N		335207.	471489.	5.0		
NE MIDN		335262.	471780.	5.0		
NE 82E		335243.	471230.	5.0		
NE 164E		335325.	471209.	5.0		
NE 256E		335406.	471189.	5.0		
NE MIDE		335678.	471145.	5.0		
SW COR		335031.	471127.	5.0		
SW 82S		335048.	471070.	5.0		
SW 164S		335049.	470999.	5.0		
SW 256S		335048.	470923.	5.0		
SW MIDS		335042.	470711.	5.0		
SW 82W		334979.	471168.	5.0		
SW 164W		334896.	471192.	5.0		
SW 256W		334823.	471211.	5.0		
SW MIDW		334609.	471258.	5.0		
NW COR		335028.	471298.	5.0		
NW 82N		335060.	471344.	5.0		
NW 164N		335077.	471429.	5.0		
NW 256N		335092.	471505.	5.0		
NW MIDN		335149.	471783.	5.0		
NW 82W		334970.	471290.	5.0		
NW 164W		334887.	471314.	5.0		
NW 256W		334809.	471339.	5.0		
NW MIDW		334612.	471375.	5.0		
S12 410&201 LBRT 2015PM				61	1	0
1						
EBL	MD410	AG335098.471196.334749.471287.		585	3.8	0. 44 40
2						
EBL	MD410	AG335037.471212.334873.471254.		0.	24	2
150	130	2.0 585 37.8 1717 1 3				
1						
EBT&R	MD410	AG335098.471172.334738.471259.		1840	3.8	0. 44 40
2						
EBT	MD410	AG335029.471188.334859.471231.		0.	36	3
150	94	2.0 1840 37.8 1707 1 3				
1						
EBALL	MD410	AG334729.471266.334123.471372.		2425	3.8	0. 44 40
1						
EBDP	MD410	AG336088.471006.335809.471021.		1820	3.8	0. 56 40
1						
EBDP	MD410	AG335809.471021.335558.471052.		1820	3.8	0. 56 40
1						
EBDP	MD410	AG335558.471052.335338.471099.		1820	3.8	0. 56 40
1						
EBDP	MD410	AG335338.471099.335097.471165.		1820	3.8	0. 56 40
1						
WBL	MD410	AG335099.471184.335402.471113.		135	3.5	0. 32 34
2						
WBL	MD410	AG335152.471171.335304.471136.		0.	12	1
150	139	2.0 135 37.8 1770 1 3				
1						
WBT	MD410	AG335107.471202.335487.471112.		1435	3.5	0. 44 34
2						
WBT	MD410	AG335164.471188.335396.471133.		0.	24	2
150	104	2.0 1435 37.8 1770 1 3				
1						
WBR	MD410	AG335151.471256.335204.471198.		265	3.5	0. 32 34
1						
WBR	MD410	AG335204.471198.335488.471129.		265	3.5	0. 32 34
1						
WBALL	MD410	AG335487.471118.335719.471081.		1835	3.5	0. 56 34
1						
WBALL	MD410	AG335719.471081.335974.471059.		1835	3.5	0. 56 34
1						
WBALL	MD410	AG335974.471059.336097.471059.		1835	3.5	0. 56 34
1						
WBDP	MD410	AG334136.471439.334790.471313.		2000	3.5	0. 56 34
1						
WBDP	MD410	AG334790.471313.335117.471214.		2000	3.5	0. 56 34
1						
NBL	MD201	AG335103.471187.335103.470844.		400	3.5	0. 44 30
2						
NBL	MD201	AG335103.471079.335103.470919.		0.	24	2
150	130	2.0 400 37.8 1717 1 3				
1						
NBT&R	MD201	AG335127.471184.335127.470844.		1200	3.5	0. 44 30
2						
NBT&R	MD201	AG335127.471081.335127.470881.		0.	24	2
150	91	2.0 1200 37.8 1770 1 3				
1						
NBR	MD201	AG335215.471131.335128.471086.		50	3.5	0. 32 30
1						

NBALL	MD201	AG335117.470845.335128.470197.	1600	3.5	0.	56	30
1							
NBDP	MD201	AG335351.472166.335281.471962.	2000	3.5	0.	44	30
1							
NBDP	MD201	AG335281.471962.335220.471692.	2000	3.5	0.	44	30
1							
NBDP	MD201	AG335220.471692.335134.471213.	2000	3.5	0.	44	30
1							
SBL	MD201	AG335116.471204.335153.471436.	365	3.7	0.	32	23
2							
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1		
150	129	2.0 365 37.8 1770 1 3					
1							
SBT	MD201	AG335099.471207.335138.471435.	1260	3.7	0.	44	23
2							
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2		
150	90	2.0 1260 37.8 1770 1 3					
1							
SBR	MD201	AG335081.471226.335119.471436.	165	3.7	0.	32	23
2							
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1		
150	11	2.0 165 37.8 1583 1 3					
1							
SBALL	MD201	AG335136.471437.335203.471800.	1790	3.7	0.	44	23
1							
SBALL	MD201	AG335203.471800.335240.471959.	1790	3.7	0.	44	23
1							
SBALL	MD201	AG335240.471959.335319.472174.	1790	3.7	0.	44	23
1							
SBDP	MD201	AG335061.470196.335076.471195.	1830	3.7	0.	44	23
1							
EBDP	201BUS	AG336082.470984.335797.470998.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335797.470998.335580.471026.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335580.471026.335336.471072.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335336.471072.335103.471135.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335103.471135.335067.471158.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335067.471158.335054.471207.	34	1.6	0.	32	40
1							
SBL	201BUS	AG335057.471207.335075.471326.	34	2.6	0.	32	40
1							
SBL	201BUS	AG335075.471326.335118.471555.	34	2.6	0.	32	40
2							
SBL	201BUS	AG335079.471347.335100.471461.	0.	12	1		
150	129	2.0 34 25.3 1583 1 3					
1							
SBL	201BUS	AG335118.471555.335164.471805.	34	2.6	0.	32	40
1							
SBL	201BUS	AG335164.471805.335210.471984.	34	2.6	0.	32	40
1							
SBL	201BUS	AG335210.471984.335279.472178.	34	2.6	0.	32	40
1							
SBDP	201BUS	AG335291.472178.335216.471957.	34	2.6	0.	32	23
1							
SBDP	201BUS	AG335216.471957.335170.471772.	34	2.6	0.	32	23
1							
SBDP	201BUS	AG335170.471772.335079.471276.	34	2.6	0.	32	23
1							
SBDP	201BUS	AG335079.471276.335092.471242.	34	2.6	0.	32	23
1							
WBR	410BUS	AG335093.471241.335242.471200.	34	2.0	0.	32	30
1							
WBR	410BUS	AG335242.471200.335481.471144.	34	2.0	0.	32	30
2							
WBR	410BUS	AG335252.471198.335381.471167.	0.	12	1		
150	115	2.0 34 25.3 1583 1 3					
1							
WBR	410BUS	AG335481.471144.335641.471115.	34	2.0	0.	32	30
1							
WBR	410BUS	AG335641.471115.335869.471088.	34	2.0	0.	32	30
1							
WBR	410BUS	AG335869.471088.336099.471080.	34	2.0	0.	32	30
1.0	04	1000 0Y 5 0 72					

JOB: S12 410&201 LBRT 2015PM  
 DATE: 01/11/2008 TIME: 13:20:46.23

RUN: S12 410&201 LBRT 2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1.	EBL	MD410	* 335098.0	471196.0	334749.0	471287.0	*	361.	285. AG	585.	3.8	.0	44.0		
2.	EBL	MD410	* 335037.0	471212.0	333694.9	471555.5	*	1385.	284. AG	176.	100.0	.0	24.0	1.60	70.4
3.	EET&R	MD410	* 335098.0	471172.0	334738.0	471259.0	*	370.	284. AG	1840.	3.8	.0	44.0		
4.	EET	MD410	* 335029.0	471188.0	334395.2	471348.2	*	654.	284. AG	191.	100.0	.0	36.0	1.04	33.2
5.	EBALL	MD410	* 334729.0	471266.0	334123.0	471372.0	*	615.	280. AG	2425.	3.8	.0	44.0		
6.	EBDP	MD410	* 336088.0	471006.0	335809.0	471021.0	*	279.	273. AG	1820.	3.8	.0	56.0		
7.	EBDP	MD410	* 335809.0	471021.0	335558.0	471052.0	*	253.	277. AG	1820.	3.8	.0	56.0		
8.	EBDP	MD410	* 335558.0	471052.0	335338.0	471099.0	*	225.	282. AG	1820.	3.8	.0	56.0		
9.	EBDP	MD410	* 335338.0	471099.0	335097.0	471165.0	*	250.	285. AG	1820.	3.8	.0	56.0		
10.	WBL	MD410	* 335099.0	471184.0	335402.0	471113.0	*	311.	103. AG	135.	3.5	.0	32.0		
11.	WBL	MD410	* 335152.0	471171.0	335831.2	471014.6	*	697.	103. AG	94.	100.0	.0	12.0	1.65	35.4
12.	WBT	MD410	* 335107.0	471202.0	335487.0	471112.0	*	391.	103. AG	1435.	3.5	.0	44.0		
13.	WBT	MD410	* 335164.0	471188.0	337838.7	470553.9	*	2749.	103. AG	141.	100.0	.0	24.0	1.45	139.6
14.	WBR	MD410	* 335151.0	471256.0	335204.0	471198.0	*	79.	138. AG	265.	3.5	.0	32.0		
15.	WBR	MD410	* 335204.0	471198.0	335488.0	471129.0	*	292.	104. AG	265.	3.5	.0	32.0		
16.	WBALL	MD410	* 335487.0	471118.0	335719.0	471081.0	*	235.	99. AG	1835.	3.5	.0	56.0		
17.	WBALL	MD410	* 335719.0	471081.0	335974.0	471059.0	*	256.	95. AG	1835.	3.5	.0	56.0		
18.	WBALL	MD410	* 335974.0	471059.0	336097.0	471059.0	*	123.	90. AG	1835.	3.5	.0	56.0		
19.	WBDP	MD410	* 334136.0	471439.0	334790.0	471313.0	*	666.	101. AG	2000.	3.5	.0	56.0		
20.	WBDP	MD410	* 334790.0	471313.0	335117.0	471214.0	*	342.	107. AG	2000.	3.5	.0	56.0		
21.	NBL	MD201	* 335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	400.	3.5	.0	44.0		
22.	NBL	MD201	* 335103.0	471079.0	335103.0	470697.6	*	381.	180. AG	176.	100.0	.0	24.0	1.09	19.4
23.	NBT&R	MD201	* 335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	1200.	3.5	.0	44.0		
24.	NBT&R	MD201	* 335127.0	471081.0	335127.0	470732.2	*	349.	180. AG	123.	100.0	.0	24.0	.92	17.7
25.	NBR	MD201	* 335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	50.	3.5	.0	32.0		
26.	NBALL	MD201	* 335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1600.	3.5	.0	56.0		
27.	NBDP	MD201	* 335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	2000.	3.5	.0	44.0		
28.	NBDP	MD201	* 335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	2000.	3.5	.0	44.0		
29.	NBDP	MD201	* 335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	2000.	3.5	.0	44.0		
30.	SBL	MD201	* 335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	365.	3.7	.0	32.0		
31.	SBL	MD201	* 335124.0	471252.0	335434.3	473234.8	*	2007.	9. AG	87.	100.0	.0	12.0	1.83	102.0
32.	SBT	MD201	* 335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1260.	3.7	.0	44.0		
33.	SBT	MD201	* 335110.0	471271.0	335173.5	471649.4	*	384.	10. AG	122.	100.0	.0	24.0	.95	19.5
34.	SBR	MD201	* 335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	165.	3.7	.0	32.0		
35.	SBR	MD201	* 335092.0	471287.0	335093.8	471296.8	*	10.	11. AG	7.	100.0	.0	12.0	.12	.5
36.	SBALL	MD201	* 335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	1790.	3.7	.0	44.0		
37.	SBALL	MD201	* 335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	1790.	3.7	.0	44.0		
38.	SBALL	MD201	* 335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	1790.	3.7	.0	44.0		
39.	SBDP	MD201	* 335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1830.	3.7	.0	44.0		
40.	EBDP	201BUS	* 336082.0	470984.0	335797.0	470998.0	*	285.	273. AG	34.	1.6	.0	32.0		
41.	EBDP	201BUS	* 335797.0	470998.0	335580.0	471026.0	*	219.	277. AG	34.	1.6	.0	32.0		
42.	EBDP	201BUS	* 335580.0	471026.0	335336.0	471072.0	*	248.	281. AG	34.	1.6	.0	32.0		
43.	EBDP	201BUS	* 335336.0	471072.0	335103.0	471135.0	*	241.	285. AG	34.	1.6	.0	32.0		
44.	EBDP	201BUS	* 335103.0	471135.0	335067.0	471158.0	*	43.	303. AG	34.	1.6	.0	32.0		

JOB: S12 410&201 LBRT 2015PM  
 DATE: 01/11/2008 TIME: 13:20:46.23

RUN: S12 410&201 LBRT 2015PM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45.	EBDP	201BUS	* 335067.0	471158.0	335054.0	471207.0	*	51.	345. AG	34.	1.6	.0	32.0		
46.	SBL	201BUS	* 335057.0	471207.0	335075.0	471326.0	*	120.	9. AG	34.	2.6	.0	32.0		
47.	SBL	201BUS	* 335075.0	471326.0	335118.0	471555.0	*	233.	11. AG	34.	2.6	.0	32.0		
48.	SBL	201BUS	* 335079.0	471347.0	335083.4	471370.6	*	24.	10. AG	58.	100.0	.0	12.0	.19	1.2
49.	SBL	201BUS	* 335118.0	471555.0	335164.0	471805.0	*	254.	10. AG	34.	2.6	.0	32.0		
50.	SBL	201BUS	* 335164.0	471805.0	335210.0	471984.0	*	185.	14. AG	34.	2.6	.0	32.0		
51.	SBL	201BUS	* 335210.0	471984.0	335279.0	472178.0	*	206.	20. AG	34.	2.6	.0	32.0		
52.	SBDP	201BUS	* 335291.0	472178.0	335216.0	471957.0	*	233.	199. AG	34.	2.6	.0	32.0		
53.	SBDP	201BUS	* 335216.0	471957.0	335170.0	471772.0	*	191.	194. AG	34.	2.6	.0	32.0		
54.	SBDP	201BUS	* 335170.0	471772.0	335079.0	471276.0	*	504.	190. AG	34.	2.6	.0	32.0		
55.	SBDP	201BUS	* 335079.0	471276.0	335092.0	471242.0	*	36.	159. AG	34.	2.6	.0	32.0		
56.	WBR	410BUS	* 335093.0	471241.0	335242.0	471200.0	*	155.	105. AG	34.	2.0	.0	32.0		
57.	WBR	410BUS	* 335242.0	471200.0	335481.0	471144.0	*	245.	103. AG	34.	2.0	.0	32.0		
58.	WBR	410BUS	* 335252.0	471198.0	335272.8	471193.1	*	21.	104. AG	52.	100.0	.0	12.0	.10	1.1
59.	WBR	410BUS	* 335481.0	471144.0	335641.0	471115.0	*	163.	100. AG	34.	2.0	.0	32.0		
60.	WBR	410BUS	* 335641.0	471115.0	335869.0	471088.0	*	230.	97. AG	34.	2.0	.0	32.0		
61.	WBR	410BUS	* 335869.0	471088.0	336099.0	471080.0	*	230.	92. AG	34.	2.0	.0	32.0		

JOB: S12 410&201 LBRT 2015PM  
 DATE: 01/11/2008 TIME: 13:20:46.23

RUN: S12 410&201 LBRT 2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
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RECEPTOR LOCATIONS

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## WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

[illegible]

50.	*	.5	.4	.2	.1	.1	.6	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
55.	*	.5	.4	.2	.1	.1	.6	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7
60.	*	.5	.4	.2	.1	.1	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
65.	*	.5	.3	.2	.1	.1	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8
70.	*	.5	.3	.2	.1	.1	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8
75.	*	.5	.3	.2	.1	.1	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0
80.	*	.6	.4	.1	.1	.1	.7	.6	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9
85.	*	.5	.4	.1	.1	.1	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0
90.	*	.5	.3	.1	.1	.1	.5	.5	.5	.5	.1	.0	.0	.0	.0	.1	.1	.1	.8	.9
95.	*	.5	.1	.1	.1	.0	.5	.4	.5	.3	.1	.0	.0	.0	.0	.1	.1	.1	.2	.7
100.	*	.4	.1	.1	.0	.0	.5	.4	.5	.2	.2	.1	.0	.0	.0	.2	.2	.3	.2	.7
105.	*	.1	.1	.0	.0	.0	.4	.2	.1	.2	.3	.1	.1	.0	.0	.4	.5	.5	.3	.6
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.4	.2	.1	.1	.0	.5	.5	.5	.4	.6
115.	*	.0	.0	.0	.0	.0	.1	.0	.0	.1	.5	.3	.1	.1	.0	.5	.6	.6	.5	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.6	.7	.6	.5	.8
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.1	.6	.6	.6	.5	.8
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.1	.6	.6	.7	.6	.8
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.1	.6	.6	.7	.6	.8
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.1	.7	.6	.6	.6	.9
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.1	.6	.6	.6	.6	.9
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.1	.5	.6	.6	.6	1.0
155.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.4	.2	.1	.1	.5	.5	.5	.5	.9
160.	*	.0	.2	.1	.0	.1	.0	.0	.0	.0	.5	.4	.2	.1	.1	.5	.5	.5	.5	.9
165.	*	.0	.2	.2	.2	.1	.0	.0	.0	.0	.5	.4	.1	.2	.0	.5	.5	.5	.5	.8
170.	*	.1	.4	.4	.2	.2	.0	.0	.0	.0	.5	.4	.1	.2	.1	.5	.5	.5	.5	.8
175.	*	.2	.6	.5	.5	.2	.0	.0	.0	.0	.6	.6	.1	.2	.2	.5	.5	.5	.5	.7
180.	*	.6	.9	.7	.6	.3	.0	.0	.0	.0	.7	.6	.2	.4	.2	.5	.5	.5	.5	.3
185.	*	.7	1.1	.9	.8	.4	.1	.0	.0	.0	.8	.6	.5	.4	.4	.7	.5	.5	.5	.2
190.	*	.8	1.2	1.1	.9	.4	.4	.0	.0	.0	.9	.8	.4	.7	.6	.8	.5	.5	.5	.1
195.	*	.9	1.3	1.2	1.0	.4	.4	.0	.0	.0	.9	.8	.4	.8	.6	.8	.5	.5	.5	.0
200.	*	.8	1.2	1.3	1.1	.4	.4	.0	.0	.0	.9	.6	.4	.8	.6	.8	.7	.5	.5	.0
205.	*	.8	1.2	1.3	1.1	.4	.4	.2	.0	.0	.7	.4	.6	.6	.7	.8	.8	.5	.5	.0

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JOB: S12 410&amp;201 LBRT 2015PM

RUN: S12 410&amp;201 LBRT 2015PM

PAGE 6

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.8	1.2	1.2	1.2	.4	.6	.3	.0	.0	.7	.4	.6	.8	.8	.9	.8	.6	.5	.0
215.	*	.8	1.2	1.2	1.2	.3	.6	.3	.0	.0	.6	.3	.6	.9	.9	.9	.8	.7	.5	.0
220.	*	.8	1.2	1.1	1.1	.3	.6	.3	.1	.0	.3	.7	.8	.9	.9	.9	.8	.7	.5	.0
225.	*	.8	1.1	1.1	1.1	.3	.6	.3	.2	.0	.4	.7	.8	1.0	.8	.8	.8	.7	.5	.0
230.	*	.8	1.1	1.1	1.1	.3	.6	.3	.2	.0	.4	.9	1.0	1.0	.7	.7	.8	.7	.6	.0
235.	*	.8	1.1	1.0	1.0	.4	.5	.3	.2	.0	.5	.9	1.0	.9	.7	.6	.8	.8	.6	.0
240.	*	.8	.9	.9	1.0	.4	.5	.3	.2	.0	.6	.9	.9	.9	.6	.4	.7	.8	.6	.0
245.	*	.7	.9	.9	1.0	.4	.5	.3	.2	.0	.5	1.0	.9	.8	.6	.5	.5	.7	.7	.0
250.	*	.6	.9	.9	1.0	.5	.5	.3	.2	.0	.6	1.1	.9	.8	.5	.5	.5	.6	.5	.0
255.	*	.6	.9	.9	.9	.5	.4	.3	.2	.1	.7	1.1	.8	.8	.5	.6	.6	.5	.5	.0
260.	*	.6	.9	.9	.9	.5	.4	.3	.2	.1	.8	1.2	.8	.8	.4	.6	.7	.6	.5	.0
265.	*	.6	.9	.9	.9	.6	.4	.3	.2	.1	.8	1.2	.8	.7	.4	.7	.5	.7	.6	.0
270.	*	.4	.9	.9	.9	.6	.5	.3	.2	.0	1.0	1.1	.8	.7	.4	.7	.8	.7	.7	.1
275.	*	.6	.9	.9	.9	.6	.5	.5	.3	.0	1.3	1.0	.7	.7	.4	.7	.8	.4	.6	.2
280.	*	.6	1.1	.9	.9	.6	.6	.3	.3	.5	1.1	.8	.7	.6	.4	.7	.4	.6	.3	.4
285.	*	.8	1.1	.9	.9	.6	.8	.5	.3	.6	.9	.7	.6	.6	.5	.5	.5	.3	.3	.7
290.	*	.8	1.1	1.1	.9	.6	.8	.6	.3	.6	.8	.7	.6	.6	.5	.7	.4	.2	.1	.8
295.	*	.8	1.3	1.1	1.0	.8	.9	.7	.5	.7	.6	.6	.6	.6	.4	.5	.3	.1	.0	1.0
300.	*	.9	1.4	1.1	1.1	.9	.9	.6	.5	.6	.5	.6	.6	.6	.4	.4	.2	.1	.0	1.0
305.	*	.8	1.5	1.2	1.2	.9	.7	.7	.7	.6	.5	.6	.6	.6	.4	.4	.2	.1	.0	1.0
310.	*	.9	1.6	1.3	1.3	1.0	.6	.7	.5	.7	.6	.6	.6	.6	.4	.4	.3	.1	.0	1.0
315.	*	.7	1.5	1.5	1.3	1.1	.5	.5	.6	.6	.6	.6	.6	.6	.4	.3	.3	.1	.0	1.0
320.	*	.7	1.3	1.4	1.3	1.1	.6	.5	.7	.6	.6	.6	.6	.6	.7	.5	.3	.3	.1	.0
325.	*	.7	1.2	1.3	1.4	1.2	.5	.8	.7	.6	.6	.6	.6	.6	.7	.5	.3	.3	.1	.0
330.	*	.3	1.2	1.5	1.4	1.2	.7	.8	.7	.6	.6	.6	.6	.8	.5	.3	.3	.0	.0	.9
335.	*	.3	1.1	1.3	1.4	1.3	.8	.9	.6	.6	.6	.7	.6	.8	.5	.3	.3	.0	.0	.7
340.	*	.5	.9	1.1	1.3	1.3	.8	.9	.6	.6	.6	.8	.6	.8	.5	.4	.3	.1	.0	.7
345.	*	.7	.7	.9	1.1	1.2	.8	.9	.6	.6	.6	.8	.7	.7	.6	.4	.1	.1	.0	.7
350.	*	.7	.8	.9	.9	1.2	.9	.7	.7	.6	.6	.8	.6	.7	.6	.4	.1	.1	.0	.6
355.	*	.7	.8	.9	1.1	1.1	.9	.7	.6	.6	.5	.8	.6	.7	.7	.3	.1	.0	.0	.6
360.	*	.7	.7	.9	.8	1.1	.9	.7	.6	.6	.5	.6	.6	.8	.7	.2	.1	.0	.0	.5

MAX	*	.9	1.6	1.5	1.4	1.3	.9	.9	.7	.7	1.3	1.2	1.0	1.0	.9	.9	.8	.8	.7	1.0
DEGR.	*	195	310	330	325	335	0	335	80	310	275	260	230	225	215	210	205	235	245	295

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JOB: S12 410&amp;201 LBRT 2015PM

RUN: S12 410&amp;201 LBRT 2015PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.8	.4	.3	1.1	1.1	1.2	1.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
5.	*	.5	.6	.7	1.1	1.2	1.2	1.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0

10.	*	.6	.7	.7	1.2	1.2	1.2	1.2	.1	.3	.3	.2	.1	.0	.0	.0
15.	*	.7	.8	.7	1.3	1.2	1.2	1.2	.3	.3	.3	.2	.1	.0	.0	.0
20.	*	.7	.9	.9	1.3	1.3	1.2	1.2	.3	.4	.3	.3	.4	.1	.0	.0
25.	*	.8	.7	.9	1.4	1.2	1.2	1.2	.4	.5	.5	.4	.4	.2	.1	.0
30.	*	.7	.9	.9	1.4	1.3	1.3	1.2	.5	.6	.6	.5	.4	.3	.1	.0
35.	*	.9	.9	1.0	1.4	1.3	1.2	1.2	.5	.6	.6	.6	.3	.4	.1	.0
40.	*	.9	1.1	1.0	1.4	1.4	1.3	1.2	.5	.7	.6	.6	.3	.4	.1	.0
45.	*	1.0	1.0	.9	1.4	1.5	1.3	1.2	.5	.7	.6	.6	.3	.3	.2	.0
50.	*	1.0	.9	.9	1.4	1.5	1.3	1.2	.5	.6	.5	.6	.3	.3	.2	.0
55.	*	1.0	.9	.8	1.2	1.5	1.4	1.2	.5	.6	.5	.6	.3	.3	.2	.0
60.	*	1.0	1.0	.8	.9	1.6	1.5	1.3	.5	.6	.5	.5	.3	.3	.2	.1
65.	*	1.1	1.0	.8	.9	1.6	1.6	1.3	.5	.6	.5	.5	.4	.3	.2	.1
70.	*	1.0	.9	.8	.7	1.4	1.6	1.3	.5	.6	.5	.5	.4	.3	.2	.1
75.	*	1.0	.9	.8	.9	1.3	1.5	1.4	.5	.6	.5	.5	.4	.4	.2	.1
80.	*	1.0	.9	.7	1.0	1.3	1.5	1.5	.4	.6	.5	.5	.4	.3	.2	.1
85.	*	1.0	.9	.6	1.0	1.3	1.5	1.4	.4	.6	.5	.5	.3	.4	.2	.1
90.	*	.9	.9	.6	.9	1.2	1.4	1.5	.4	.6	.5	.5	.3	.5	.3	.2
95.	*	.9	.9	.5	.8	1.2	1.4	1.2	.5	.6	.5	.5	.3	.4	.3	.2
100.	*	.9	.9	.5	.8	1.0	1.1	1.2	.5	.6	.5	.5	.3	.4	.3	.6
105.	*	.9	.8	.4	.6	.9	.9	.8	.7	.6	.6	.6	.3	.6	.5	.8
110.	*	.8	.8	.4	.5	.5	.5	.7	.7	.7	.6	.6	.3	.6	.7	1.0
115.	*	.8	.8	.4	.3	.5	.5	.3	.7	.8	.6	.6	.3	.7	.7	1.1
120.	*	.8	.8	.3	.3	.5	.3	.2	.8	.8	.6	.6	.5	.7	.8	1.1
125.	*	.8	.8	.3	.3	.3	.4	.1	.8	.9	.6	.6	.5	.7	.8	1.2
130.	*	.8	.7	.3	.3	.3	.3	.1	.6	.9	.7	.6	.5	.7	.8	1.2
135.	*	.9	.8	.3	.3	.3	.3	.0	.6	.8	.7	.6	.5	.8	1.1	1.3
140.	*	.9	.9	.4	.4	.3	.3	.0	.3	.8	.7	.6	.6	.9	1.2	1.1
145.	*	.9	.9	.4	.4	.3	.2	.0	.2	.8	.7	.6	.6	1.0	1.3	1.0
150.	*	.9	.8	.4	.4	.3	.2	.0	.7	.5	.6	.7	.5	1.1	1.3	.9
155.	*	.9	.8	.4	.4	.2	.1	.0	.7	.4	.6	.7	.5	1.1	1.2	.9
160.	*	.8	.8	.4	.4	.2	.0	.0	.7	.6	.6	.6	.5	1.1	1.1	.9
165.	*	.9	.8	.4	.3	.1	.0	.0	.7	.5	.5	.5	.5	1.1	1.1	.9
170.	*	.8	.7	.4	.2	.0	.0	.0	.8	.4	.6	.6	.5	1.1	.9	.9
175.	*	.8	.6	.4	.2	.0	.0	.0	.8	.4	.5	.7	.6	1.1	.9	.9
180.	*	.5	.5	.3	.1	.0	.0	.0	.7	.5	.6	.4	.5	1.0	.9	.9
185.	*	.4	.4	.2	.0	.0	.0	.0	.8	.6	.3	.4	.4	.9	.9	.9
190.	*	.2	.2	.1	.0	.0	.0	.0	.8	.6	.5	.3	.3	.9	.9	.9
195.	*	.1	.1	.1	.0	.0	.0	.0	.7	.5	.3	.2	.2	.9	.9	.9
200.	*	.1	.1	.1	.0	.0	.0	.0	.7	.4	.4	.3	.2	.9	.9	.9
205.	*	.1	.1	.0	.0	.0	.0	.0	.7	.4	.4	.3	.2	.9	.9	.9

1

JOB: S12 410&201 LBRT 2015PM

RUN: S12 410&201 LBRT 2015PM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.4	.3	.2	.9	.9	.9	.9
215.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.4	.2	.2	.9	.9	.9	.9
220.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.4	.2	.2	.9	.9	.9	.9
225.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.3	.2	.2	.9	.9	.9	.9
230.	*	.0	.0	.0	.0	.0	.0	.0	.8	.6	.3	.2	.2	.9	.9	1.0	1.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.9	.6	.3	.2	.2	.9	.9	1.0	1.1
240.	*	.0	.0	.0	.0	.0	.0	.0	.9	.6	.3	.2	.1	.9	.9	1.0	1.1
245.	*	.0	.0	.0	.0	.0	.0	.0	.9	.6	.2	.2	.1	1.0	1.0	1.0	1.2
250.	*	.0	.0	.0	.0	.0	.0	.0	.9	.6	.3	.3	.1	1.0	1.1	1.1	1.2
255.	*	.0	.0	.0	.0	.0	.0	.0	.9	.6	.4	.4	.1	1.1	1.1	1.1	1.2
260.	*	.0	.0	.0	.0	.1	.1	.1	1.0	.7	.4	.2	.0	1.2	1.1	1.1	1.0
265.	*	.0	.0	.0	.1	.1	.1	.1	1.1	.7	.4	.1	.0	1.3	1.1	1.0	1.1
270.	*	.0	.0	.0	.4	.5	.4	.3	.8	.5	.3	.1	.0	1.2	1.1	.9	1.0
275.	*	.0	.0	.0	.6	.6	.6	.4	.8	.5	.1	.1	.0	1.1	1.0	.9	.9
280.	*	.0	.0	.0	.8	.8	1.0	.7	.6	.3	.1	.0	.0	.9	.9	.8	.8
285.	*	.1	.0	.0	1.2	1.2	1.2	1.0	.5	.1	.0	.0	.0	.7	.7	.5	.5
290.	*	.2	.1	.0	1.3	1.4	1.5	1.2	.2	.1	.0	.0	.0	.6	.5	.3	.4
295.	*	.3	.1	.0	1.5	1.5	1.6	1.3	.1	.0	.0	.0	.0	.3	.3	.2	.2
300.	*	.3	.2	.0	1.7	1.7	1.6	1.4	.0	.0	.0	.0	.0	.1	.1	.1	.1
305.	*	.5	.2	.1	1.6	1.7	1.6	1.5	.0	.0	.0	.0	.0	.1	.1	.0	.1
310.	*	.4	.2	.1	1.5	1.6	1.6	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.5	.2	.2	1.6	1.6	1.5	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.4	.2	.2	1.3	1.6	1.5	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.4	.2	.2	1.3	1.4	1.4	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.5	.2	.2	1.2	1.3	1.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.5	.2	.2	1.2	1.2	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.5	.4	.3	1.2	1.2	1.3	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.5	.3	.3	1.1	1.2	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.5	.3	.3	1.1	1.2	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.6	.4	.4	1.1	1.2	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.8	.4	.3	1.1	1.1	1.2	1.2	.0	.0	.0	.0	.1	.0	.0	.0	.0
MAX	*	1.1	1.1	1.0	1.7	1.7	1.6	1.5	1.1	.9	.7	.7	.6	1.3	1.3	1.2	1.3
DEGR.	*	65	40	35	300	300	65	80	265	125	130	150	140	265	145	140	135

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 300 DEGREES FROM REC24.  
 THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 300 DEGREES FROM REC25.  
 THE 3RD HIGHEST CONCENTRATION IS 1.60 PPM AT 65 DEGREES FROM REC26.

S12 410&201 HBRT 2015AM				60.0321.0.0000.000360.30480000	1	1
SE COR		335164.	471081.	5.0		
SE 82S		335147.	471029.	5.0		
SE 164S		335148.	470946.	5.0		
SE 256S		335148.	470862.	5.0		
SE MIDS		335145.	470710.	5.0		
SE 82E		335223.	471085.	5.0		
SE 164E		335306.	471060.	5.0		
SE 256E		335383.	471039.	5.0		
SE MIDE		335665.	470987.	5.0		
NE COR		335193.	471253.	5.0		
NE 82N		335187.	471316.	5.0		
NE 164N		335204.	471401.	5.0		
NE 256N		335207.	471489.	5.0		
NE MIDN		335262.	471780.	5.0		
NE 82E		335243.	471230.	5.0		
NE 164E		335325.	471209.	5.0		
NE 256E		335406.	471189.	5.0		
NE MIDE		335678.	471126.	5.0		
SW COR		335031.	471127.	5.0		
SW 82S		335048.	471070.	5.0		
SW 164S		335049.	470999.	5.0		
SW 256S		335048.	470923.	5.0		
SW MIDS		335042.	470711.	5.0		
SW 82W		334979.	471146.	5.0		
SW 164W		334890.	471168.	5.0		
SW 256W		334818.	471192.	5.0		
SW MIDW		334609.	471258.	5.0		
NW COR		335028.	471298.	5.0		
NW 82N		335060.	471344.	5.0		
NW 164N		335077.	471429.	5.0		
NW 256N		335092.	471505.	5.0		
NW MIDN		335149.	471783.	5.0		
NW 82W		334970.	471290.	5.0		
NW 164W		334887.	471314.	5.0		
NW 256W		334809.	471339.	5.0		
NW MIDW		334620.	471387.	5.0		
S12 410&201 HBRT 2015AM				55	1	0
1						
EBL	MD410	AG335101.471177.334690.471283.	305	3.8	0.	44 40
2						
EBL	MD410	AG334954.471215.334803.471254.	0.	24	2	
150	128	2.0 305 37.8 1717 1 3				
1						
EBT&R	MD410	AG335120.471133.334683.471258.	1160	3.8	0.	56 40
2						
EBT&R	MD410	AG334984.471172.334735.471243.	0.	36	3	
150	87	2.0 1160 37.8 1707 1 3				
1						
EBR	MD410	AG335076.471103.335039.471156.	320	3.8	0.	32 40
1						
EBALL	MD410	AG334682.471272.334136.471441.	1465	3.8	0.	44 40
1						
EBDP	MD410	AG336088.471006.335809.471021.	985	3.8	0.	56 40
1						
EBDP	MD410	AG335809.471021.335558.471052.	985	3.8	0.	56 40
1						
EBDP	MD410	AG335558.471052.335338.471099.	985	3.8	0.	56 40
1						
EBDP	MD410	AG335338.471099.335097.471165.	985	3.8	0.	56 40
1						
WBL	MD410	AG335099.471184.335402.471113.	45	3.5	0.	32 34
2						
WBL	MD410	AG335152.471171.335304.471136.	0.	12	1	
150	139	2.0 45 37.8 1770 1 3				
1						
WBT	MD410	AG335107.471202.335487.471112.	1475	3.5	0.	44 34
2						
WBT	MD410	AG335164.471188.335396.471133.	0.	24	2	
150	104	2.0 1475 37.8 1770 1 3				
1						
WBR	MD410	AG335204.471198.335488.471129.	485	3.5	0.	32 34
1						
WBR	MD410	AG335148.471292.335205.471198.	485	3.5	0.	32 34
1						
WBDP	MD410	AG334156.471508.335111.471222.	2125	3.5	0.	44 34
1						
WBALL	MD410	AG335487.471118.335719.471081.	2005	3.5	0.	56 34
1						
WBALL	MD410	AG335719.471081.335974.471059.	2005	3.5	0.	56 34
1						
WBALL	MD410	AG335974.471059.336097.471059.	2005	3.5	0.	56 34
1						
NBL	MD201	AG335103.471187.335103.470844.	355	3.5	0.	44 30
2						
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2	
150	130	2.0 355 37.8 1717 1 3				
1						
NBT&R	MD201	AG335127.471184.335127.470844.	825	3.5	0.	44 30
2						
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2	
150	91	2.0 825 37.8 1770 1 3				
1						
NBR	MD201	AG335215.471131.335128.471086.	35	3.5	0.	32 30
1						

NBALL	MD201	AG335117.470845.335128.470197.	1180	3.5	0.	56	30
1							
NBDP	MD201	AG335351.472166.335281.471962.	1580	3.5	0.	44	30
1							
NBDP	MD201	AG335281.471962.335220.471692.	1580	3.5	0.	44	30
1							
NBDP	MD201	AG335220.471692.335134.471213.	1580	3.5	0.	44	30
1							
SBL	MD201	AG335116.471204.335153.471436.	110	3.7	0.	32	23
2							
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1		
150	129	2.0 110 37.8 1770 1 3					
1							
SBT	MD201	AG335099.471207.335138.471435.	1595	3.7	0.	44	23
2							
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2		
150	90	2.0 1595 37.8 1770 1 3					
1							
SBR	MD201	AG335081.471226.335119.471436.	295	3.7	0.	32	23
2							
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1		
150	11	2.0 295 37.8 1583 1 3					
1							
SBALL	MD201	AG335136.471437.335203.471800.	2000	3.7	0.	44	23
1							
SBALL	MD201	AG335203.471800.335240.471959.	2000	3.7	0.	44	23
1							
SBALL	MD201	AG335240.471959.335319.472174.	2000	3.7	0.	44	23
1							
SBDP	MD201	AG335061.470196.335076.471195.	1960	3.7	0.	44	23
1							
EBDP	201BUS	AG336082.470984.335797.470998.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335797.470998.335580.471026.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335580.471026.335336.471072.	34	1.6	0.	32	40
1							
WBT	410BUS	AG335242.471200.335481.471144.	34	2.0	0.	32	30
2							
WBT	410BUS	AG335252.471198.335381.471167.	0.	12	1		
150	99	2.0 34 25.3 1583 1 3					
1							
WBT	410BUS	AG335481.471144.335641.471115.	34	2.0	0.	32	30
1							
WBT	410BUS	AG335641.471115.335869.471088.	34	2.0	0.	32	30
1							
WBT	410BUS	AG335869.471088.336099.471080.	34	2.0	0.	32	30
1							
WBDP	410BUS	AG334145.471472.334881.471259.	34	1.8	0.	32	40
1							
WBDP	410BUS	AG334881.471259.335135.471224.	34	1.8	0.	32	40
1							
WBDP	410BUS	AG335135.471224.335243.471200.	34	1.8	0.	32	40
1							
EBDP	410BUS	AG335334.471073.335158.471122.	34	1.6	0.	32	34
1							
EBDP	410BUS	AG335158.471122.335047.471173.	34	1.6	0.	32	34
1							
EBT	410BUS	AG335047.471172.334920.471236.	34	1.6	0.	32	34
1							
EBT	410BUS	AG334920.471236.334143.471461.	34	1.6	0.	32	34
2							
EBT	410BUS	AG334906.471242.334736.471289.	0.	12	1		
150	87	2.0 34 25.3 1707 1 3					
1.0	04 1000	0Y 5 0 72					

JOB: S12 410&201 HBRT 2015AM  
 DATE: 01/11/2008 TIME: 14:05:13.20

RUN: S12 410&201 HBRT 2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
-----														
1. EBL	MD410	*	335101.0	471177.0	334690.0	471283.0	*	424.	284. AG	305.	3.8	.0	44.0	
2. EBL	MD410	*	334954.0	471215.0	334844.6	471243.2	*	113.	284. AG	173.	100.0	.0	24.0	.74 5.7
3. EBT&R	MD410	*	335120.0	471133.0	334683.0	471258.0	*	455.	286. AG	1160.	3.8	.0	56.0	
4. EBT&R	MD410	*	334984.0	471172.0	334807.4	471222.4	*	184.	286. AG	176.	100.0	.0	36.0	.58 9.3
5. EBR	MD410	*	335076.0	471103.0	335039.0	471156.0	*	65.	325. AG	320.	3.8	.0	32.0	
6. EBALL	MD410	*	334682.0	471272.0	334136.0	471441.0	*	572.	287. AG	1465.	3.8	.0	44.0	
7. EBDP	MD410	*	336088.0	471006.0	335809.0	471021.0	*	279.	273. AG	985.	3.8	.0	56.0	
8. EBDP	MD410	*	335809.0	471021.0	335558.0	471052.0	*	253.	277. AG	985.	3.8	.0	56.0	
9. EBDP	MD410	*	335558.0	471052.0	335338.0	471099.0	*	225.	282. AG	985.	3.8	.0	56.0	
10. EBDP	MD410	*	335338.0	471099.0	335097.0	471165.0	*	250.	285. AG	985.	3.8	.0	56.0	
11. WBL	MD410	*	335099.0	471184.0	335402.0	471113.0	*	311.	103. AG	45.	3.5	.0	32.0	
12. WBL	MD410	*	335152.0	471171.0	335186.3	471163.1	*	35.	103. AG	94.	100.0	.0	12.0	.55 1.8
13. WBT	MD410	*	335107.0	471202.0	335487.0	471112.0	*	391.	103. AG	1475.	3.5	.0	44.0	
14. WBT	MD410	*	335164.0	471188.0	338045.6	470504.8	*	2961.	103. AG	141.	100.0	.0	24.0	1.49 150.4
15. WBR	MD410	*	335204.0	471198.0	335488.0	471129.0	*	292.	104. AG	485.	3.5	.0	32.0	
16. WBR	MD410	*	335148.0	471292.0	335205.0	471198.0	*	110.	149. AG	485.	3.5	.0	32.0	
17. WBDP	MD410	*	334156.0	471508.0	335111.0	471222.0	*	997.	107. AG	2125.	3.5	.0	44.0	
18. WBALL	MD410	*	335487.0	471118.0	335719.0	471081.0	*	235.	99. AG	2005.	3.5	.0	56.0	
19. WBALL	MD410	*	335719.0	471081.0	335974.0	471059.0	*	256.	95. AG	2005.	3.5	.0	56.0	
20. WBALL	MD410	*	335974.0	471059.0	336097.0	471059.0	*	123.	90. AG	2005.	3.5	.0	56.0	
21. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	355.	3.5	.0	44.0	
22. NBL	MD201	*	335103.0	471079.0	335103.0	470901.3	*	178.	180. AG	176.	100.0	.0	24.0	.97 9.0
23. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	825.	3.5	.0	44.0	
24. NBT&R	MD201	*	335127.0	471081.0	335127.0	470876.0	*	205.	180. AG	123.	100.0	.0	24.0	.63 10.4
25. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	35.	3.5	.0	32.0	
26. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1180.	3.5	.0	56.0	
27. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	1580.	3.5	.0	44.0	
28. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	1580.	3.5	.0	44.0	
29. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	1580.	3.5	.0	44.0	
30. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	110.	3.7	.0	32.0	
31. SBL	MD201	*	335124.0	471252.0	335136.0	471328.6	*	78.	9. AG	87.	100.0	.0	12.0	.55 3.9
32. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1595.	3.7	.0	44.0	
33. SBT	MD201	*	335110.0	471271.0	335423.0	473135.8	*	1891.	10. AG	122.	100.0	.0	24.0	1.21 96.1
34. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	295.	3.7	.0	32.0	
35. SBR	MD201	*	335092.0	471287.0	335095.2	471304.4	*	18.	11. AG	7.	100.0	.0	12.0	.21 .9
36. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2000.	3.7	.0	44.0	
37. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2000.	3.7	.0	44.0	
38. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2000.	3.7	.0	44.0	
39. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1960.	3.7	.0	44.0	
40. EBDP	201BUS	*	336082.0	470984.0	335797.0	470998.0	*	285.	273. AG	34.	1.6	.0	32.0	
41. EBDP	201BUS	*	335797.0	470998.0	335580.0	471026.0	*	219.	277. AG	34.	1.6	.0	32.0	
42. EBDP	201BUS	*	335580.0	471026.0	335336.0	471072.0	*	248.	281. AG	34.	1.6	.0	32.0	
43. WBT	410BUS	*	335242.0	471200.0	335481.0	471144.0	*	245.	103. AG	34.	2.0	.0	32.0	
44. WBT	410BUS	*	335252.0	471198.0	335269.9	471193.7	*	18.	104. AG	45.	100.0	.0	12.0	.07 .9

JOB: S12 410&201 HBRT 2015AM  
 DATE: 01/11/2008 TIME: 14:05:13.20

RUN: S12 410&201 HBRT 2015AM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
-----														
45. WBT	410BUS	*	335481.0	471144.0	335641.0	471115.0	*	163.	100. AG	34.	2.0	.0	32.0	
46. WBT	410BUS	*	335641.0	471115.0	335869.0	471088.0	*	230.	97. AG	34.	2.0	.0	32.0	
47. WBT	410BUS	*	335869.0	471088.0	336099.0	471080.0	*	230.	92. AG	34.	2.0	.0	32.0	
48. WBDP	410BUS	*	334145.0	471472.0	334881.0	471259.0	*	766.	106. AG	34.	1.8	.0	32.0	
49. WBDP	410BUS	*	334881.0	471259.0	335135.0	471224.0	*	256.	98. AG	34.	1.8	.0	32.0	
50. WBDP	410BUS	*	335135.0	471224.0	335243.0	471200.0	*	111.	103. AG	34.	1.8	.0	32.0	
51. EBDP	410BUS	*	335334.0	471073.0	335158.0	471122.0	*	183.	286. AG	34.	1.6	.0	32.0	
52. EBDP	410BUS	*	335158.0	471122.0	335047.0	471173.0	*	122.	295. AG	34.	1.6	.0	32.0	
53. EBT	410BUS	*	335047.0	471172.0	334920.0	471236.0	*	142.	297. AG	34.	1.6	.0	32.0	
54. EBT	410BUS	*	334920.0	471236.0	334143.0	471461.0	*	809.	286. AG	34.	1.6	.0	32.0	
55. EBT	410BUS	*	334906.0	471242.0	334890.4	471246.3	*	16.	286. AG	39.	100.0	.0	12.0	.05 .8

JOB: S12 410&201 HBRT 2015AM  
 DATE: 01/11/2008 TIME: 14:05:13.20

RUN: S12 410&201 HBRT 2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
-----										
2. EBL	MD410	*	150	128	2.0	305	1717	37.80	1	3
4. EBT&R	MD410	*	150	87	2.0	1160	1707	37.80	1	3
12. WBL	MD410	*	150	139	2.0	45	1770	37.80	1	3

[illegible]

80.	*	.4	.2	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6
85.	*	.3	.2	.1	.1	.1	.5	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.1	.7	.7
90.	*	.2	.2	.1	.1	.1	.4	.4	.3	.3	.1	.0	.0	.0	.1	.1	.1	.2	.7	.7
95.	*	.2	.1	.1	.1	.0	.3	.3	.2	.2	.1	.1	.0	.0	.1	.1	.1	.2	.6	.7
100.	*	.2	.1	.1	.1	.0	.2	.3	.2	.2	.2	.1	.0	.0	.2	.2	.3	.3	.6	.7
105.	*	.1	.1	.0	.0	.0	.2	.1	.1	.2	.2	.1	.1	.0	.3	.4	.4	.5	.5	.7
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.4	.2	.1	.1	.0	.4	.4	.4	.6	.7
115.	*	.0	.0	.0	.0	.0	.1	.0	.0	.1	.4	.2	.1	.1	.0	.4	.5	.4	.6	.7
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.1	.4	.5	.4	.6	.7
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.1	.4	.4	.4	.5	.7
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.4	.4	.5	.5	.8
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	.1	.1	.4	.5	.5	.5	.9
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	.1	.1	.4	.5	.5	.6	.8
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	.1	.1	.4	.5	.5	.7	.8
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.1	.3	.5	.5	.7	.7
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.1	.3	.3	.4	.5	.7
160.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.2	.1	.1	.1	.4	.3	.4	.5	.6
165.	*	.0	.2	.0	.1	.1	.0	.0	.0	.0	.5	.2	.1	.1	.0	.4	.3	.4	.5	.7
170.	*	.0	.2	.3	.1	.1	.0	.0	.0	.0	.5	.2	.1	.2	.0	.4	.3	.4	.5	.7
175.	*	.1	.3	.3	.1	.2	.0	.0	.0	.0	.5	.2	.1	.2	.1	.4	.3	.4	.5	.7
180.	*	.2	.7	.4	.2	.3	.0	.0	.0	.0	.6	.3	.1	.2	.2	.4	.3	.4	.5	.7
185.	*	.5	.7	.5	.3	.3	.0	.0	.0	.0	.8	.5	.3	.3	.3	.4	.3	.4	.5	.7
190.	*	.5	.8	.5	.3	.3	.1	.0	.0	.0	.8	.6	.3	.4	.4	.5	.3	.4	.5	.7
195.	*	.7	.9	.6	.3	.3	.1	.0	.0	.0	.7	.6	.3	.5	.5	.7	.4	.4	.5	.7
200.	*	.7	1.0	.6	.3	.3	.2	.0	.0	.0	.8	.5	.3	.6	.6	.7	.4	.3	.5	.7
205.	*	.7	1.1	.7	.2	.3	.3	.1	.0	.0	.7	.3	.5	.5	.6	.7	.5	.3	.5	.7

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JOB: S12 410&201 HBRT 2015AM

RUN: S12 410&201 HBRT 2015AM

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WIND	ANGLE	CONCENTRATION																				
(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20		
210.	*	.8	1.1	.7	.2	.3	.3	.1	.0	.0	.6	.2	.6	.6	.7	.7	.5	.3	.5	.0	.0	
215.	*	.8	1.0	.7	.3	.3	.3	.1	.0	.0	.5	.4	.5	.6	.7	.7	.7	.3	.5	.0	.0	
220.	*	.8	1.1	.8	.3	.3	.3	.1	.0	.0	.3	.5	.6	.7	.6	.7	.7	.3	.5	.0	.0	
225.	*	.8	1.0	.8	.3	.3	.4	.2	.0	.0	.3	.5	.6	.8	.6	.6	.7	.3	.5	.0	.0	
230.	*	.8	1.0	.8	.3	.2	.4	.3	.0	.0	.4	.7	.7	.8	.6	.5	.7	.5	.4	.0	.0	
235.	*	.8	.9	.9	.3	.2	.4	.3	.0	.0	.5	.7	.7	.7	.6	.4	.6	.6	.4	.0	.0	
240.	*	.8	.9	.9	.3	.2	.4	.3	.0	.0	.7	.7	.7	.6	.6	.3	.6	.6	.5	.0	.0	
245.	*	.7	.9	.9	.3	.2	.4	.3	.2	.0	.6	.7	.7	.6	.5	.3	.5	.6	.5	.0	.0	
250.	*	.6	.9	.9	.2	.2	.3	.3	.2	.0	.6	.8	.6	.6	.5	.5	.3	.5	.5	.0	.0	
255.	*	.6	.9	.9	.2	.2	.3	.3	.2	.0	.6	.8	.6	.6	.5	.5	.3	.4	.5	.0	.0	
260.	*	.6	.9	.9	.2	.2	.3	.3	.2	.0	.7	.9	.5	.6	.5	.4	.4	.3	.5	.0	.0	
265.	*	.6	.9	.9	.2	.2	.3	.3	.2	.0	.7	.7	.5	.5	.5	.3	.4	.3	.5	.0	.0	
270.	*	.4	.9	.9	.2	.2	.3	.3	.2	.0	.8	.7	.5	.5	.5	.3	.4	.4	.5	.2	.0	
275.	*	.5	.9	.9	.2	.2	.4	.3	.1	.0	.8	.7	.6	.5	.5	.4	.4	.3	.4	.2	.0	
280.	*	.6	.9	.9	.3	.2	.3	.2	.0	.1	.7	.7	.5	.5	.5	.3	.1	.3	.4	.3	.0	
285.	*	.5	.9	.9	.3	.2	.4	.3	.0	.1	.6	.7	.5	.5	.6	.3	.1	.2	.2	.3	.0	
290.	*	.5	1.0	.9	.3	.2	.4	.4	.2	.1	.6	.5	.4	.5	.6	.4	.2	.1	.1	.7	.1	
295.	*	.6	1.2	.9	.4	.2	.5	.3	.3	.4	.6	.5	.5	.5	.6	.4	.2	.0	.0	.7	.3	
300.	*	.6	1.2	.9	.5	.2	.5	.2	.3	.3	.5	.5	.5	.5	.5	.3	.1	.1	.0	.8	.4	
305.	*	.6	1.3	1.1	.5	.2	.3	.3	.4	.4	.5	.5	.5	.5	.5	.3	.2	.1	.0	.7	.5	
310.	*	.5	1.3	1.1	.6	.2	.2	.4	.3	.4	.6	.5	.5	.5	.5	.3	.2	.1	.0	.7	.5	
315.	*	.4	1.1	1.2	.8	.3	.2	.3	.4	.4	.6	.5	.5	.5	.5	.3	.2	.1	.0	.7	.5	
320.	*	.4	1.1	1.2	.9	.3	.4	.4	.6	.4	.5	.5	.5	.6	.5	.3	.2	.1	.0	.6	.5	
325.	*	.5	.9	1.1	.9	.3	.3	.5	.5	.4	.4	.5	.5	.6	.5	.3	.2	.1	.0	.6	.5	
330.	*	.3	.9	1.2	1.0	.3	.5	.5	.5	.4	.4	.5	.5	.6	.5	.2	.2	.1	.0	.5	.4	
335.	*	.5	.8	1.1	.9	.4	.6	.5	.5	.4	.4	.6	.5	.6	.5	.2	.1	.1	.0	.4	.4	
340.	*	.4	.7	.8	.9	.5	.6	.5	.5	.4	.5	.6	.5	.6	.5	.3	.1	.1	.0	.2	.3	
345.	*	.6	.6	.9	1.0	.5	.5	.5	.5	.4	.5	.5	.5	.8	.6	.3	.1	.1	.0	.2	.3	
350.	*	.5	.5	.8	1.0	.5	.6	.5	.5	.4	.4	.5	.5	.7	.6	.3	.1	.1	.0	.2	.3	
355.	*	.7	.6	.6	.9	.5	.6	.5	.5	.4	.4	.5	.5	.7	.7	.3	.1	.1	.0	.2	.4	
360.	*	.6	.5	.5	.6	.5	.6	.5	.5	.4	.4	.5	.5	.6	.7	.1	.1	.1	.0	.3	.5	
MAX	*	.8	1.3	1.2	1.0	.5	.6	.5	.6	.5	.8	.9	.7	.8	.7	.7	.7	.6	.7	.8	.9	
DEGR.	*	210	305	315	330	0	0	0	320	30	185	260	230	225	0	195	215	235	145	300	15	

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JOB: S12 410&201 HBRT 2015AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	ANGLE	CONCENTRATION																
(DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36		
0.	*	.3	.4	.5	.6	1.0	.7	.3	.1	.1	.1	.1	.0	.0	.0	.0		
5.	*	.4	.5	.6	.6	1.0	.7	.3	.1	.1	.1	.2	.0	.0	.0	.0		
10.	*	.5	.5	.6	.6	1.1	.7	.3	.1	.3	.3	.2	.1	.0	.0	.0		
15.	*	.6	.6	.6	.5	1.1	.9	.3	.3	.3	.3	.4	.1	.1	.0	.0		
20.	*	.6	.8	.5	.6	1.1	.9	.3	.3	.4	.4	.5	.1	.1	.1	.0		
25.	*	.5	.7	.5	.5	1.1	.9	.3	.3	.5	.5	.4	.5	.2	.1	.0		
30.	*	.5	.8	.5	.7	1.1	1.0	.2	.4	.5	.6	.5	.5	.2	.1	.0		
35.	*	.7	.9	.5	.6	1.0	1.0	.3	.4	.5	.6	.6	.6	.2	.1	.1		



40.	*	.7	1.0	.5	.5	1.0	1.0	.3	.5	.5	.5	.5	.6	.2	.1	.1	.1
45.	*	.8	1.0	.5	.5	1.0	1.1	.4	.4	.5	.5	.5	.6	.3	.2	.1	.1
50.	*	.8	.9	.5	.5	1.0	1.2	.4	.4	.4	.5	.5	.5	.2	.2	.1	.1
55.	*	.8	.9	.4	.5	.9	1.3	.4	.4	.4	.4	.5	.5	.2	.1	.1	.1
60.	*	.7	.8	.4	.3	1.0	1.3	.4	.4	.4	.4	.5	.5	.3	.1	.1	.1
65.	*	.8	.8	.4	.3	.9	1.3	.2	.4	.4	.4	.5	.5	.3	.1	.1	.1
70.	*	.8	.8	.4	.5	.9	1.2	.2	.4	.4	.4	.5	.5	.3	.1	.1	.1
75.	*	.8	.8	.4	.5	.9	1.2	.2	.4	.4	.4	.5	.5	.3	.1	.1	.1
80.	*	.8	.8	.4	.5	.8	1.3	.3	.3	.4	.4	.5	.5	.3	.1	.1	.1
85.	*	.8	.8	.4	.6	.7	1.2	.4	.4	.4	.5	.5	.4	.4	.2	.2	.1
90.	*	.8	.9	.4	.7	.8	1.0	.6	.4	.4	.5	.5	.4	.4	.3	.2	.2
95.	*	.8	.7	.3	.7	.8	1.1	.6	.5	.5	.4	.5	.4	.4	.3	.2	.4
100.	*	.8	.6	.3	.5	.7	.9	.4	.6	.5	.4	.5	.5	.4	.3	.3	.4
105.	*	.8	.5	.3	.4	.5	.7	.4	.6	.6	.5	.6	.5	.6	.4	.3	.5
110.	*	.7	.5	.3	.4	.5	.6	.3	.6	.7	.5	.6	.5	.6	.5	.4	.6
115.	*	.7	.4	.3	.5	.5	.6	.2	.6	.7	.5	.5	.5	.6	.4	.4	.8
120.	*	.7	.4	.3	.4	.4	.4	.2	.5	.7	.5	.5	.6	.5	.4	.5	.9
125.	*	.7	.5	.3	.3	.3	.4	.0	.5	.8	.5	.5	.6	.5	.5	.7	.7
130.	*	.8	.4	.4	.3	.3	.2	.0	.4	.8	.5	.5	.6	.4	.3	.6	.6
135.	*	.7	.3	.4	.3	.3	.2	.0	.4	.6	.5	.5	.6	.4	.7	.7	.6
140.	*	.7	.3	.4	.3	.2	.1	.0	.3	.6	.5	.5	.5	.4	.8	.9	.6
145.	*	.6	.4	.4	.3	.2	.1	.0	.3	.6	.5	.6	.7	.7	.8	.9	.3
150.	*	.6	.4	.4	.3	.1	.1	.0	.3	.3	.5	.6	.7	.7	.9	.9	.3
155.	*	.6	.4	.4	.3	.1	.1	.0	.5	.3	.5	.6	.7	.7	.9	.8	.4
160.	*	.6	.5	.4	.2	.1	.0	.0	.5	.3	.5	.6	.6	.7	.9	.8	.4
165.	*	.6	.5	.5	.1	.1	.0	.0	.5	.5	.3	.4	.6	.6	.9	.6	.4
170.	*	.6	.5	.4	.1	.0	.0	.0	.6	.5	.3	.4	.6	.5	.8	.6	.4
175.	*	.5	.5	.3	.1	.0	.0	.0	.6	.4	.4	.4	.6	.5	.7	.4	.4
180.	*	.3	.3	.3	.1	.0	.0	.0	.5	.3	.4	.3	.4	.6	.7	.4	.4
185.	*	.3	.3	.2	.0	.0	.0	.0	.4	.3	.2	.3	.4	.6	.7	.4	.4
190.	*	.2	.2	.2	.0	.0	.0	.0	.5	.2	.2	.2	.3	.6	.7	.4	.4
195.	*	.1	.1	.1	.0	.0	.0	.0	.4	.2	.2	.0	.2	.7	.8	.3	.4
200.	*	.1	.1	.1	.0	.0	.0	.0	.4	.2	.2	.2	.1	.8	.8	.3	.4
205.	*	.1	.1	.0	.0	.0	.0	.0	.4	.2	.2	.2	.0	.7	.6	.3	.4

1

JOB: S12 410&201 HBRT 2015AM

RUN: S12 410&201 HBRT 2015AM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.2	.0	.7	.6	.3	.4
215.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.2	.0	.7	.5	.3	.4
220.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.2	.0	.7	.5	.3	.4
225.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.0	.7	.4	.3	.4
230.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.0	.8	.5	.2	.4
235.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.8	.4	.3	.4
240.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.8	.4	.3	.4
245.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.7	.4	.3	.4
250.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.3	.4	.4
255.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.6	.3	.4	.5
260.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.5	.4	.4	.5
265.	*	.0	.0	.0	.2	.0	.0	.0	.3	.1	.1	.0	.0	.4	.5	.5	.5
270.	*	.0	.0	.0	.2	.1	.1	.0	.2	.1	.1	.0	.0	.4	.5	.5	.5
275.	*	.0	.0	.0	.3	.2	.1	.1	.2	.1	.0	.0	.0	.4	.5	.5	.6
280.	*	.0	.0	.0	.4	.2	.2	.1	.2	.1	.0	.0	.0	.4	.5	.5	.6
285.	*	.0	.0	.0	.6	.4	.2	.1	.2	.1	.0	.0	.0	.3	.4	.3	.4
290.	*	.0	.0	.0	.9	.6	.4	.2	.1	.0	.0	.0	.0	.3	.3	.3	.4
295.	*	.0	.0	.0	1.0	.7	.4	.3	.1	.0	.0	.0	.0	.2	.2	.2	.3
300.	*	.0	.0	.0	1.0	.8	.5	.3	.0	.0	.0	.0	.0	.1	.2	.1	.2
305.	*	.2	.0	.0	1.2	.7	.5	.3	.0	.0	.0	.0	.0	.1	.1	.1	.2
310.	*	.2	.0	.0	1.2	.8	.4	.3	.0	.0	.0	.0	.0	.1	.1	.1	.1
315.	*	.2	.2	.0	1.2	.9	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	.4	.2	.0	1.1	.9	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
325.	*	.4	.2	.0	1.1	.9	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
330.	*	.4	.2	.0	1.1	1.0	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.4	.2	.0	1.0	1.0	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.4	.2	.1	.9	.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.2	.1	.8	.9	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.3	.1	.1	.7	.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.4	.3	.2	.7	1.0	.6	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0
360.	*	.3	.4	.5	.6	1.0	.7	.3	.1	.1	.1	.1	.1	.0	.0	.0	.0
MAX	*	.8	1.0	.6	1.2	1.1	1.3	.6	.7	.8	.6	.6	.7	.8	.9	.9	.9
DEGR.	*	45	40	5	305	10	55	90	240	125	30	35	145	200	150	140	120

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 305 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 55 DEGREES FROM REC26 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 315 DEGREES FROM REC3 .

S12 410&201 HBRT 2015PM			60.0321.0.0000.000360.30480000	1	1
SE COR		335164.	471081.	5.0	
SE 82S		335147.	471029.	5.0	
SE 164S		335148.	470946.	5.0	
SE 256S		335148.	470862.	5.0	
SE MIDS		335145.	470710.	5.0	
SE 82E		335223.	471085.	5.0	
SE 164E		335306.	471060.	5.0	
SE 256E		335383.	471039.	5.0	
SE MIDE		335665.	470987.	5.0	
NE COR		335193.	471253.	5.0	
NE 82N		335187.	471316.	5.0	
NE 164N		335204.	471401.	5.0	
NE 256N		335207.	471489.	5.0	
NE MIDN		335262.	471780.	5.0	
NE 82E		335243.	471230.	5.0	
NE 164E		335325.	471209.	5.0	
NE 256E		335406.	471189.	5.0	
NE MIDE		335678.	471126.	5.0	
SW COR		335031.	471127.	5.0	
SW 82S		335048.	471070.	5.0	
SW 164S		335049.	470999.	5.0	
SW 256S		335048.	470923.	5.0	
SW MIDS		335042.	470711.	5.0	
SW 82W		334979.	471146.	5.0	
SW 164W		334890.	471168.	5.0	
SW 256W		334818.	471192.	5.0	
SW MIDW		334609.	471258.	5.0	
NW COR		335028.	471298.	5.0	
NW 82N		335060.	471344.	5.0	
NW 164N		335077.	471429.	5.0	
NW 256N		335092.	471505.	5.0	
NW MIDN		335149.	471783.	5.0	
NW 82W		334970.	471290.	5.0	
NW 164W		334887.	471314.	5.0	
NW 256W		334809.	471339.	5.0	
NW MIDW		334620.	471387.	5.0	
S12 410&201 HBRT 2015PM			55	1	0
1					
EBL	MD410	AG335101.471177.334690.471283.	585	3.8	0. 44 40
2					
EBL	MD410	AG334954.471215.334803.471254.	0.	24	2
150	128	2.0 585 37.8 1717 1 3			
1					
EBT&R	MD410	AG335120.471133.334683.471258.	1840	3.8	0. 56 40
2					
EBT&R	MD410	AG334984.471172.334735.471243.	0.	36	3
150	87	2.0 1840 37.8 1707 1 3			
1					
EBR	MD410	AG335076.471103.335039.471156.	435	3.8	0. 32 40
1					
EBALL	MD410	AG334682.471272.334136.471441.	2425	3.8	0. 44 40
1					
EBDP	MD410	AG336088.471006.335809.471021.	1820	3.8	0. 56 40
1					
EBDP	MD410	AG335809.471021.335558.471052.	1820	3.8	0. 56 40
1					
EBDP	MD410	AG335558.471052.335338.471099.	1820	3.8	0. 56 40
1					
EBDP	MD410	AG335338.471099.335097.471165.	1820	3.8	0. 56 40
1					
WBL	MD410	AG335099.471184.335402.471113.	135	3.5	0. 32 34
2					
WBL	MD410	AG335152.471171.335304.471136.	0.	12	1
150	139	2.0 135 37.8 1770 1 3			
1					
WBT	MD410	AG335107.471202.335487.471112.	1435	3.5	0. 44 34
2					
WBT	MD410	AG335164.471188.335396.471133.	0.	24	2
150	104	2.0 1435 37.8 1770 1 3			
1					
WBR	MD410	AG335204.471198.335488.471129.	265	3.5	0. 32 34
1					
WBR	MD410	AG335148.471292.335205.471198.	265	3.5	0. 32 34
1					
WBDP	MD410	AG334156.471508.335111.471222.	2000	3.5	0. 44 34
1					
WBALL	MD410	AG335487.471118.335719.471081.	2835	3.5	0. 56 34
1					
WBALL	MD410	AG335719.471081.335974.471059.	2835	3.5	0. 56 34
1					
WBALL	MD410	AG335974.471059.336097.471059.	2835	3.5	0. 56 34
1					
NBL	MD201	AG335103.471187.335103.470844.	400	3.5	0. 44 30
2					
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2
150	130	2.0 400 37.8 1717 1 3			
1					
NBT&R	MD201	AG335127.471184.335127.470844.	1200	3.5	0. 44 30
2					
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2
150	91	2.0 1200 37.8 1770 1 3			
1					
NBR	MD201	AG335215.471131.335128.471086.	50	3.5	0. 32 30
1					

NBALL	MD201	AG335117.470845.335128.470197.	1600	3.5	0.	56	30
1							
NBDP	MD201	AG335351.472166.335281.471962.	2000	3.5	0.	44	30
1							
NBDP	MD201	AG335281.471962.335220.471692.	2000	3.5	0.	44	30
1							
NBDP	MD201	AG335220.471692.335134.471213.	2000	3.5	0.	44	30
1							
SBL	MD201	AG335116.471204.335153.471436.	365	3.7	0.	32	23
2							
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1		
150	129	2.0 365 37.8 1770 1 3					
1							
SBT	MD201	AG335099.471207.335138.471435.	1260	3.7	0.	44	23
2							
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2		
150	90	2.0 1260 37.8 1770 1 3					
1							
SBR	MD201	AG335081.471226.335119.471436.	165	3.7	0.	32	23
2							
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1		
150	11	2.0 165 37.8 1583 1 3					
1							
SBALL	MD201	AG335136.471437.335203.471800.	1790	3.7	0.	44	23
1							
SBALL	MD201	AG335203.471800.335240.471959.	1790	3.7	0.	44	23
1							
SBALL	MD201	AG335240.471959.335319.472174.	1790	3.7	0.	44	23
1							
SBDP	MD201	AG335061.470196.335076.471195.	1830	3.7	0.	44	23
1							
EBDP	201BUS	AG336082.470984.335797.470998.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335797.470998.335580.471026.	34	1.6	0.	32	40
1							
EBDP	201BUS	AG335580.471026.335336.471072.	34	1.6	0.	32	40
1							
WBT	410BUS	AG335242.471200.335481.471144.	34	2.0	0.	32	30
2							
WBT	410BUS	AG335252.471198.335381.471167.	0.	12	1		
150	99	2.0 34 25.3 1583 1 3					
1							
WBT	410BUS	AG335481.471144.335641.471115.	34	2.0	0.	32	30
1							
WBT	410BUS	AG335641.471115.335869.471088.	34	2.0	0.	32	30
1							
WBT	410BUS	AG335869.471088.336099.471080.	34	2.0	0.	32	30
1							
WBDP	410BUS	AG334145.471472.334881.471259.	34	1.8	0.	32	40
1							
WBDP	410BUS	AG334881.471259.335135.471224.	34	1.8	0.	32	40
1							
WBDP	410BUS	AG335135.471224.335243.471200.	34	1.8	0.	32	40
1							
EBDP	410BUS	AG335334.471073.335158.471122.	34	1.6	0.	32	34
1							
EBDP	410BUS	AG335158.471122.335047.471173.	34	1.6	0.	32	34
1							
EBT	410BUS	AG335047.471172.334920.471236.	34	1.6	0.	32	34
1							
EBT	410BUS	AG334920.471236.334143.471461.	34	1.6	0.	32	34
2							
EBT	410BUS	AG334906.471242.334736.471289.	0.	12	1		
150	87	2.0 34 25.3 1707 1 3					
1.0	04 1000	0Y 5 0 72					

JOB: S12 410&201 HBRT 2015PM  
DATE: 01/11/2008 TIME: 14:10:41.76

RUN: S12 410&201 HBRT 2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	335101.0	471177.0	334690.0	471283.0	*	424.	284. AG	585.	3.8	.0	44.0		
2. EBL	MD410	*	334954.0	471215.0	333840.9	471502.6	*	1150.	284. AG	173.	100.0	.0	24.0	1.42	58.4
3. EBT&R	MD410	*	335120.0	471133.0	334683.0	471258.0	*	455.	286. AG	1840.	3.8	.0	56.0		
4. EBT&R	MD410	*	334984.0	471172.0	334662.2	471263.8	*	335.	286. AG	176.	100.0	.0	36.0	.91	17.0
5. EBR	MD410	*	335076.0	471103.0	335039.0	471156.0	*	65.	325. AG	435.	3.8	.0	32.0		
6. EBALL	MD410	*	334682.0	471272.0	334136.0	471441.0	*	572.	287. AG	2425.	3.8	.0	44.0		
7. EBDP	MD410	*	336088.0	471006.0	335809.0	471021.0	*	279.	273. AG	1820.	3.8	.0	56.0		
8. EBDP	MD410	*	335809.0	471021.0	335558.0	471052.0	*	253.	277. AG	1820.	3.8	.0	56.0		
9. EBDP	MD410	*	335558.0	471052.0	335338.0	471099.0	*	225.	282. AG	1820.	3.8	.0	56.0		
10. EBDP	MD410	*	335338.0	471099.0	335097.0	471165.0	*	250.	285. AG	1820.	3.8	.0	56.0		
11. WBL	MD410	*	335099.0	471184.0	335402.0	471113.0	*	311.	103. AG	135.	3.5	.0	32.0		
12. WBL	MD410	*	335152.0	471171.0	335831.2	471014.6	*	697.	103. AG	94.	100.0	.0	12.0	1.65	35.4
13. WBT	MD410	*	335107.0	471202.0	335487.0	471112.0	*	391.	103. AG	1435.	3.5	.0	44.0		
14. WBT	MD410	*	335164.0	471188.0	337838.7	470553.9	*	2749.	103. AG	141.	100.0	.0	24.0	1.45	139.6
15. WBR	MD410	*	335204.0	471198.0	335488.0	471129.0	*	292.	104. AG	265.	3.5	.0	32.0		
16. WBR	MD410	*	335148.0	471292.0	335205.0	471198.0	*	110.	149. AG	265.	3.5	.0	32.0		
17. WBDP	MD410	*	334156.0	471508.0	335111.0	471222.0	*	997.	107. AG	2000.	3.5	.0	44.0		
18. WBALL	MD410	*	335487.0	471118.0	335719.0	471081.0	*	235.	99. AG	2835.	3.5	.0	56.0		
19. WBALL	MD410	*	335719.0	471081.0	335974.0	471059.0	*	256.	95. AG	2835.	3.5	.0	56.0		
20. WBALL	MD410	*	335974.0	471059.0	336097.0	471059.0	*	123.	90. AG	2835.	3.5	.0	56.0		
21. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	400.	3.5	.0	44.0		
22. NBL	MD201	*	335103.0	471079.0	335103.0	470697.6	*	381.	180. AG	176.	100.0	.0	24.0	1.09	19.4
23. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	1200.	3.5	.0	44.0		
24. NBT&R	MD201	*	335127.0	471081.0	335127.0	470732.2	*	349.	180. AG	123.	100.0	.0	24.0	.92	17.7
25. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	50.	3.5	.0	32.0		
26. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1600.	3.5	.0	56.0		
27. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	2000.	3.5	.0	44.0		
28. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	2000.	3.5	.0	44.0		
29. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	2000.	3.5	.0	44.0		
30. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	365.	3.7	.0	32.0		
31. SBL	MD201	*	335124.0	471252.0	335434.3	473234.8	*	2007.	9. AG	87.	100.0	.0	12.0	1.83	102.0
32. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1260.	3.7	.0	44.0		
33. SBT	MD201	*	335110.0	471271.0	335173.5	471649.4	*	384.	10. AG	122.	100.0	.0	24.0	.95	19.5
34. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	165.	3.7	.0	32.0		
35. SBR	MD201	*	335092.0	471287.0	335093.8	471296.8	*	10.	11. AG	7.	100.0	.0	12.0	.12	.5
36. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	1790.	3.7	.0	44.0		
37. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	1790.	3.7	.0	44.0		
38. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	1790.	3.7	.0	44.0		
39. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1830.	3.7	.0	44.0		
40. EBDP	201BUS	*	336082.0	470984.0	335797.0	470998.0	*	285.	273. AG	34.	1.6	.0	32.0		
41. EBDP	201BUS	*	335797.0	470998.0	335580.0	471026.0	*	219.	277. AG	34.	1.6	.0	32.0		
42. EBDP	201BUS	*	335580.0	471026.0	335336.0	471072.0	*	248.	281. AG	34.	1.6	.0	32.0		
43. WBT	410BUS	*	335242.0	471200.0	335481.0	471144.0	*	245.	103. AG	34.	2.0	.0	32.0		
44. WBT	410BUS	*	335252.0	471198.0	335269.9	471193.7	*	18.	104. AG	45.	100.0	.0	12.0	.07	.9

JOB: S12 410&201 HBRT 2015PM  
DATE: 01/11/2008 TIME: 14:10:41.76

RUN: S12 410&201 HBRT 2015PM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. WBT	410BUS	*	335481.0	471144.0	335641.0	471115.0	*	163.	100. AG	34.	2.0	.0	32.0		
46. WBT	410BUS	*	335641.0	471115.0	335869.0	471088.0	*	230.	97. AG	34.	2.0	.0	32.0		
47. WBT	410BUS	*	335869.0	471088.0	336099.0	471080.0	*	230.	92. AG	34.	2.0	.0	32.0		
48. WBDP	410BUS	*	334145.0	471472.0	334881.0	471259.0	*	766.	106. AG	34.	1.8	.0	32.0		
49. WBDP	410BUS	*	334881.0	471259.0	335135.0	471224.0	*	256.	98. AG	34.	1.8	.0	32.0		
50. WBDP	410BUS	*	335135.0	471224.0	335243.0	471200.0	*	111.	103. AG	34.	1.8	.0	32.0		
51. EBDP	410BUS	*	335334.0	471073.0	335158.0	471122.0	*	183.	286. AG	34.	1.6	.0	32.0		
52. EBDP	410BUS	*	335158.0	471122.0	335047.0	471173.0	*	122.	295. AG	34.	1.6	.0	32.0		
53. EBT	410BUS	*	335047.0	471172.0	334920.0	471236.0	*	142.	297. AG	34.	1.6	.0	32.0		
54. EBT	410BUS	*	334920.0	471236.0	334143.0	471461.0	*	809.	286. AG	34.	1.6	.0	32.0		
55. EBT	410BUS	*	334906.0	471242.0	334890.4	471246.3	*	16.	286. AG	39.	100.0	.0	12.0	.05	.8

JOB: S12 410&201 HBRT 2015PM  
DATE: 01/11/2008 TIME: 14:10:41.76

RUN: S12 410&201 HBRT 2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	150	128	2.0	585	1717	37.80	1	3
4. EBT&R	MD410	*	150	87	2.0	1840	1707	37.80	1	3
12. WBL	MD410	*	150	139	2.0	135	1770	37.80	1	3

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RECEPTOR	COORDINATES (FT)			*
	X	Y	Z	
1. SE COR	* 335164.0	471081.0	5.0	*
2. SE 82S	* 335147.0	471029.0	5.0	*
3. SE 164S	* 335148.0	470946.0	5.0	*
4. SE 256S	* 335148.0	470862.0	5.0	*
5. SE MIDS	* 335145.0	470710.0	5.0	*
6. SE 82E	* 335223.0	471085.0	5.0	*
7. SE 164E	* 335306.0	471060.0	5.0	*
8. SE 256E	* 335383.0	471039.0	5.0	*
9. SE MIDE	* 335665.0	470987.0	5.0	*
10. NE COR	* 335193.0	471253.0	5.0	*
11. NE 82N	* 335187.0	471316.0	5.0	*
12. NE 164N	* 335204.0	471401.0	5.0	*
13. NE 256N	* 335207.0	471489.0	5.0	*
14. NE MIDN	* 335262.0	471780.0	5.0	*
15. NE 82E	* 335243.0	471230.0	5.0	*
16. NE 164E	* 335325.0	471209.0	5.0	*
17. NE 256E	* 335406.0	471189.0	5.0	*
18. NE MIDE	* 335678.0	471126.0	5.0	*
19. SW COR	* 335031.0	471127.0	5.0	*
20. SW 82S	* 335048.0	471070.0	5.0	*
21. SW 164S	* 335049.0	470999.0	5.0	*
22. SW 256S	* 335048.0	470923.0	5.0	*
23. SW MIDS	* 335042.0	470711.0	5.0	*
24. SW 82W	* 334979.0	471146.0	5.0	*
25. SW 164W	* 334890.0	471168.0	5.0	*
26. SW 256W	* 334818.0	471192.0	5.0	*
27. SW MIDW	* 334609.0	471258.0	5.0	*
28. NW COR	* 335028.0	471298.0	5.0	*
29. NW 82N	* 335060.0	471344.0	5.0	*
30. NW 164N	* 335077.0	471429.0	5.0	*
31. NW 256N	* 335092.0	471505.0	5.0	*
32. NW MIDN	* 335149.0	471783.0	5.0	*
33. NW 82W	* 334970.0	471290.0	5.0	*
34. NW 164W	* 334887.0	471314.0	5.0	*

JOB: S12 410&201 HBRT 2015PM  
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RUN: S12 410&201 HBRT 2015PM

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RECEPTOR	X	Y	Z
35. NW 256W	334809.0	471339.0	5.0
36. NW MIDW	334620.0	471387.0	5.0

JOB: S12 410&201 HBRT 2015PM

RUN: S12 410&201 HBRT 2015PM

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

[illegible]



40.	*	.9	1.1	1.0	.7	1.2	1.1	.6	.5	.6	.6	.6	.3	.4	.1	.0	.0
45.	*	1.0	1.0	.9	.7	1.3	1.2	.7	.5	.6	.6	.6	.3	.3	.2	.0	.0
50.	*	1.0	.9	.9	.6	1.3	1.3	.7	.5	.5	.5	.6	.3	.3	.2	.0	.0
55.	*	1.0	.9	.8	.4	1.1	1.3	.9	.5	.5	.5	.6	.3	.3	.2	.0	.0
60.	*	1.0	1.0	.8	.5	1.1	1.5	.9	.5	.5	.5	.5	.3	.3	.2	.1	.0
65.	*	1.1	1.0	.8	.4	1.0	1.5	.8	.5	.5	.5	.5	.4	.3	.2	.1	.0
70.	*	1.0	.9	.8	.6	1.0	1.5	.9	.5	.5	.5	.5	.4	.3	.2	.1	.1
75.	*	1.0	.9	.8	.7	1.0	1.4	1.0	.5	.5	.5	.5	.4	.4	.2	.1	.1
80.	*	1.0	.9	.7	.8	.9	1.4	1.1	.4	.5	.5	.5	.4	.3	.2	.1	.1
85.	*	1.0	.9	.6	.9	.9	1.3	1.2	.4	.5	.5	.5	.3	.4	.2	.2	.1
90.	*	.9	.9	.6	.9	1.1	1.1	1.4	.4	.5	.5	.5	.3	.5	.3	.2	.2
95.	*	.9	.9	.5	.9	1.1	1.2	1.3	.5	.6	.5	.5	.3	.4	.3	.2	.4
100.	*	.9	.9	.5	.7	1.0	1.1	1.1	.5	.6	.5	.5	.3	.4	.3	.3	.4
105.	*	.9	.8	.4	.7	.7	.8	1.0	.7	.6	.6	.6	.3	.6	.5	.3	.6
110.	*	.8	.8	.4	.6	.6	.6	.8	.7	.7	.6	.6	.3	.6	.6	.5	.7
115.	*	.8	.8	.4	.5	.6	.6	.5	.7	.8	.6	.6	.3	.8	.5	.4	.8
120.	*	.8	.8	.3	.4	.4	.4	.4	.8	.8	.6	.6	.5	.7	.5	.6	1.0
125.	*	.8	.8	.3	.4	.4	.5	.3	.8	.9	.6	.6	.5	.6	.5	.7	.9
130.	*	.8	.7	.3	.4	.3	.4	.2	.6	.9	.7	.6	.5	.5	.4	.6	.9
135.	*	.9	.8	.3	.4	.3	.4	.0	.6	.8	.7	.6	.5	.6	.8	.8	1.1
140.	*	.9	.9	.4	.4	.3	.3	.0	.3	.8	.7	.6	.6	.6	.9	1.0	.9
145.	*	.9	.9	.4	.4	.3	.2	.0	.2	.8	.7	.6	.6	.7	.9	1.0	1.0
150.	*	.9	.8	.4	.4	.3	.2	.0	.6	.5	.6	.7	.5	.7	1.0	1.0	.9
155.	*	.9	.8	.4	.4	.2	.1	.0	.7	.3	.6	.7	.5	.7	1.1	1.0	.9
160.	*	.8	.8	.4	.4	.2	.0	.0	.7	.6	.6	.6	.5	.6	.9	.7	.7
165.	*	.9	.8	.4	.3	.1	.0	.0	.6	.5	.5	.5	.5	.7	.9	.7	.7
170.	*	.8	.7	.4	.2	.0	.0	.0	.6	.4	.6	.6	.5	.6	.7	.7	.6
175.	*	.8	.6	.4	.2	.0	.0	.0	.6	.5	.5	.7	.6	.6	.7	.7	.5
180.	*	.5	.5	.3	.1	.0	.0	.0	.5	.5	.5	.4	.5	.6	.7	.7	.5
185.	*	.4	.4	.2	.0	.0	.0	.0	.5	.4	.3	.4	.4	.6	.7	.7	.5
190.	*	.2	.2	.1	.0	.0	.0	.0	.5	.4	.3	.2	.3	.6	.7	.7	.5
195.	*	.1	.1	.1	.0	.0	.0	.0	.4	.3	.1	.0	.2	.6	.7	.7	.5
200.	*	.1	.1	.1	.0	.0	.0	.0	.4	.3	.3	.1	.1	.7	.7	.7	.5
205.	*	.1	.1	.0	.0	.0	.0	.0	.4	.3	.3	.1	.0	.7	.7	.7	.5

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JOB: S12 410&201 HBRT 2015PM

RUN: S12 410&201 HBRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.2	.0	.7	.7	.7	.5
215.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.2	.1	.7	.7	.7	.5
220.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.4	.3	.1	.7	.7	.7	.5
225.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.4	.3	.1	.7	.7	.7	.5
230.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.3	.1	.7	.7	.7	.6
235.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.3	.1	.8	.9	.7	.6
240.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.9	.9	.7	.6
245.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.1	.9	.9	.8	.8
250.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.1	.9	.9	.8	.8
255.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.2	.0	.9	1.0	.8	.8
260.	*	.0	.0	.0	.1	.0	.1	.0	.8	.4	.3	.2	.0	.9	.8	.7	.9
265.	*	.0	.0	.0	.2	.1	.2	.0	.8	.5	.3	.1	.0	.9	.9	.7	.8
270.	*	.0	.0	.0	.3	.2	.3	.1	.6	.4	.2	.1	.0	.9	.9	.8	.8
275.	*	.0	.0	.0	.5	.4	.5	.2	.6	.3	.1	.0	.0	.9	.8	.7	.7
280.	*	.0	.0	.0	.8	.7	.7	.3	.5	.2	.1	.0	.0	.7	.7	.6	.7
285.	*	.1	.0	.0	1.1	.8	.8	.5	.2	.2	.0	.0	.0	.6	.6	.5	.6
290.	*	.1	.1	.0	1.4	1.1	1.0	.7	.2	.0	.0	.0	.0	.4	.4	.3	.5
295.	*	.2	.1	.0	1.5	1.3	1.4	.8	.1	.0	.0	.0	.0	.3	.3	.2	.3
300.	*	.3	.1	.0	1.6	1.5	1.5	.8	.0	.0	.0	.0	.0	.1	.1	.1	.2
305.	*	.5	.2	.1	1.5	1.5	1.6	.9	.0	.0	.0	.0	.0	.1	.1	.1	.2
310.	*	.5	.2	.1	1.4	1.3	1.6	.8	.0	.0	.0	.0	.0	.1	.1	.1	.1
315.	*	.5	.2	.1	1.4	1.3	1.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	.5	.3	.1	1.4	1.3	1.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1
325.	*	.5	.3	.1	1.2	1.3	1.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1
330.	*	.4	.3	.2	1.2	1.3	1.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.4	.3	.2	1.1	1.2	1.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.5	.4	.3	.9	1.1	1.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.3	.2	.9	1.1	1.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.3	.3	.1	.8	1.1	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.4	.3	.3	.8	1.1	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.5	.4	.3	.7	1.1	1.1	.7	.0	.0	.0	.0	.1	.0	.0	.0	.0

MAX	*	1.1	1.1	1.0	1.6	1.5	1.6	1.4	.8	.9	.7	.7	.6	.9	1.1	1.0	1.1
DEGR.	*	65	40	35	300	300	305	90	120	125	130	150	140	240	155	140	135

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 300 DEGREES FROM REC24.

THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 305 DEGREES FROM REC26.

THE 3RD HIGHEST CONCENTRATION IS 1.60 PPM AT 305 DEGREES FROM REC2 .

S12 410&201 LLRT 2015AM			60.0321.0.0000.000360.30480000			1	1
SE COR		335164.	471081.	5.0			
SE 82S		335147.	471029.	5.0			
SE 164S		335148.	470946.	5.0			
SE 256S		335148.	470862.	5.0			
SE MIDS		335145.	470710.	5.0			
SE 82E		335216.	471067.	5.0			
SE 164E		335302.	471046.	5.0			
SE 256E		335384.	471027.	5.0			
SE MIDE		335669.	470972.	5.0			
NE COR		335193.	471253.	5.0			
NE 82N		335187.	471316.	5.0			
NE 164N		335204.	471401.	5.0			
NE 256N		335207.	471489.	5.0			
NE MIDN		335262.	471780.	5.0			
NE 82E		335243.	471230.	5.0			
NE 164E		335325.	471209.	5.0			
NE 256E		335406.	471189.	5.0			
NE MIDE		335678.	471126.	5.0			
SW COR		335031.	471127.	5.0			
SW 82S		335048.	471070.	5.0			
SW 164S		335049.	470999.	5.0			
SW 256S		335048.	470923.	5.0			
SW MIDS		335042.	470711.	5.0			
SW 82W		334979.	471146.	5.0			
SW 164W		334890.	471168.	5.0			
SW 256W		334818.	471192.	5.0			
SW MIDW		334609.	471258.	5.0			
NW COR		335028.	471298.	5.0			
NW 82N		335060.	471344.	5.0			
NW 164N		335077.	471429.	5.0			
NW 256N		335092.	471505.	5.0			
NW MIDN		335149.	471783.	5.0			
NW 82W		334970.	471290.	5.0			
NW 164W		334887.	471314.	5.0			
NW 256W		334809.	471339.	5.0			
NW MIDW		334620.	471387.	5.0			
S12 410&201 LLRT 2015AM			41	1	0		
1							
NBL	MD201	AG335103.471187.335103.470844.	355	3.5	0.	44	30
2							
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2		
150	130	2.0 355 37.8 1717 1 3					
1							
NBT&R	MD201	AG335127.471184.335127.470844.	825	3.5	0.	44	30
2							
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2		
150	91	2.0 825 37.8 1770 1 3					
1							
NBR	MD201	AG335215.471131.335128.471086.	35	3.5	0.	32	30
1							
NBALL	MD201	AG335117.470845.335128.470197.	1180	3.5	0.	56	30
1							
NBDP	MD201	AG335351.472166.335281.471962.	1580	3.5	0.	44	30
1							
NBDP	MD201	AG335281.471962.335220.471692.	1580	3.5	0.	44	30
1							
NBDP	MD201	AG335220.471692.335134.471213.	1580	3.5	0.	44	30
1							
SBL	MD201	AG335116.471204.335153.471436.	110	3.7	0.	32	23
2							
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1		
150	129	2.0 110 37.8 1770 1 3					
1							
SBT	MD201	AG335099.471207.335138.471435.	1595	3.7	0.	44	23
2							
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2		
150	90	2.0 1595 37.8 1770 1 3					
1							
SBR	MD201	AG335081.471226.335119.471436.	295	3.7	0.	32	23
2							
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1		
150	11	2.0 295 37.8 1583 1 3					
1							
SBALL	MD201	AG335136.471437.335203.471800.	2000	3.7	0.	44	23
1							
SBALL	MD201	AG335203.471800.335240.471959.	2000	3.7	0.	44	23
1							
SBALL	MD201	AG335240.471959.335319.472174.	2000	3.7	0.	44	23
1							
SBDP	MD201	AG335061.470196.335076.471195.	1960	3.7	0.	44	23
1							
SBR	MD201	AG334996.471263.335099.471319.	295	3.6	0.	32	24
1							
EBL	MD410	AG335119.471188.334753.471292.	305	3.5	0.	44	40
2							
EBL	MD410	AG335012.471218.334892.471252.	0.	24	2		
150	128	2.0 305 37.8 1717 1 3					
1							
EBT&R	MD410	AG335119.471163.334749.471264.	1160	3.5	0.	56	40
2							
EBT&R	MD410	AG335011.471192.334833.471241.	0.	36	3		
150	87	2.0 1160 37.8 1707 1 3					
1							
EBR	MD410	AG335073.471137.335015.471191.	320	3.5	0.	32	40



1	EBALL	MD410	AG334750.471279.334128.471415.	1465	3.5	0.	56	40
1	EBDP	MD410	AG336090.471018.335726.471037.	985	3.5	0.	56	40
1	EBDP	MD410	AG335726.471037.335543.471060.	985	3.5	0.	56	40
1	EBDP	MD410	AG335543.471060.335123.471161.	985	3.5	0.	56	40
1	WBL	MD410	AG335121.471191.335396.471121.	45	3.8	0.	32	34
2	WBL	MD410	AG335175.471177.335304.471145.	0.	12	1		
		150	139	2.0	45	37.8	1770	1 3
1	WBL	MD410	AG335396.471121.335543.471097.	45	3.8	0.	32	34
1	WBT	MD410	AG335110.471215.335399.471140.	1475	3.8	0.	44	34
2	WBT	MD410	AG335163.471202.335367.471148.	0.	24	2		
		150	98	2.0	1475	37.8	1770	1 3
1	WBT	MD410	AG335399.471140.335546.471114.	1475	3.8	0.	44	34
1	WBR	MD410	AG335149.471281.335193.471223.	485	3.8	0.	32	34
1	WBR	MD410	AG335192.471223.335238.471201.	485	3.8	0.	32	34
1	WBR	MD410	AG335238.471201.335553.471128.	485	3.8	0.	32	34
1	WBALL	MD410	AG335547.471114.335816.471081.	2005	3.8	0.	56	34
1	WBALL	MD410	AG335816.471081.336099.471068.	2005	3.8	0.	56	34
1	WBPD	MD410	AG334145.471469.335112.471222.	2125	3.8	0.	44	34
1.0	04	1000	0Y	5	0	72		

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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	355.	3.5	.0	44.0	
2. NBL	MD201	*	335103.0	471079.0	335103.0	470901.3	*	178.	180. AG	176.	100.0	.0	24.0	.97 9.0
3. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	825.	3.5	.0	44.0	
4. NBT&R	MD201	*	335127.0	471081.0	335127.0	470876.0	*	205.	180. AG	123.	100.0	.0	24.0	.63 10.4
5. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	35.	3.5	.0	32.0	
6. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1180.	3.5	.0	56.0	
7. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	1580.	3.5	.0	44.0	
8. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	1580.	3.5	.0	44.0	
9. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	1580.	3.5	.0	44.0	
10. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	110.	3.7	.0	32.0	
11. SBL	MD201	*	335124.0	471252.0	335136.0	471328.6	*	78.	9. AG	87.	100.0	.0	12.0	.55 3.9
12. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1595.	3.7	.0	44.0	
13. SBT	MD201	*	335110.0	471271.0	335423.0	473135.8	*	1891.	10. AG	122.	100.0	.0	24.0	1.21 96.1
14. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	295.	3.7	.0	32.0	
15. SBR	MD201	*	335092.0	471287.0	335095.2	471304.4	*	18.	11. AG	7.	100.0	.0	12.0	.21 .9
16. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2000.	3.7	.0	44.0	
17. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2000.	3.7	.0	44.0	
18. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2000.	3.7	.0	44.0	
19. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1960.	3.7	.0	44.0	
20. SBR	MD201	*	334996.0	471263.0	335099.0	471319.0	*	117.	61. AG	295.	3.6	.0	32.0	
21. EBL	MD410	*	335119.0	471188.0	334753.0	471292.0	*	380.	286. AG	305.	3.5	.0	44.0	
22. EBL	MD410	*	335012.0	471218.0	334903.3	471248.8	*	113.	286. AG	173.	100.0	.0	24.0	.74 5.7
23. EBT&R	MD410	*	335119.0	471163.0	334749.0	471264.0	*	384.	285. AG	1160.	3.5	.0	56.0	
24. EBT&R	MD410	*	335011.0	471192.0	334834.0	471240.8	*	184.	285. AG	176.	100.0	.0	36.0	.58 9.3
25. EBR	MD410	*	335073.0	471137.0	335015.0	471191.0	*	79.	313. AG	320.	3.5	.0	32.0	
26. EBALL	MD410	*	334750.0	471279.0	334128.0	471415.0	*	637.	282. AG	1465.	3.5	.0	56.0	
27. EBDP	MD410	*	336090.0	471018.0	335726.0	471037.0	*	364.	273. AG	985.	3.5	.0	56.0	
28. EBDP	MD410	*	335726.0	471037.0	335543.0	471060.0	*	184.	277. AG	985.	3.5	.0	56.0	
29. EBDP	MD410	*	335543.0	471060.0	335123.0	471161.0	*	432.	284. AG	985.	3.5	.0	56.0	
30. WBL	MD410	*	335121.0	471191.0	335396.0	471121.0	*	284.	104. AG	45.	3.8	.0	32.0	
31. WBL	MD410	*	335175.0	471177.0	335209.2	471168.5	*	35.	104. AG	94.	100.0	.0	12.0	.55 1.8
32. WBL	MD410	*	335396.0	471121.0	335543.0	471097.0	*	149.	99. AG	45.	3.8	.0	32.0	
33. WBT	MD410	*	335110.0	471215.0	335399.0	471140.0	*	299.	105. AG	1475.	3.8	.0	44.0	
34. WBT	MD410	*	335163.0	471202.0	337316.8	470631.5	*	2228.	105. AG	132.	100.0	.0	24.0	1.30 113.2
35. WBT	MD410	*	335399.0	471140.0	335546.0	471114.0	*	149.	100. AG	1475.	3.8	.0	44.0	
36. WBR	MD410	*	335149.0	471281.0	335193.0	471223.0	*	73.	143. AG	485.	3.8	.0	32.0	
37. WBR	MD410	*	335192.0	471223.0	335238.0	471201.0	*	51.	116. AG	485.	3.8	.0	32.0	
38. WBR	MD410	*	335238.0	471201.0	335553.0	471128.0	*	323.	103. AG	485.	3.8	.0	32.0	
39. WBALL	MD410	*	335547.0	471114.0	335816.0	471081.0	*	271.	97. AG	2005.	3.8	.0	56.0	
40. WBALL	MD410	*	335816.0	471081.0	336099.0	471068.0	*	283.	93. AG	2005.	3.8	.0	56.0	
41. WBDP	MD410	*	334145.0	471469.0	335112.0	471222.0	*	998.	104. AG	2125.	3.8	.0	44.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. NBL	MD201	*	150	130	2.0	355	1717	37.80	1	3
4. NBT&R	MD201	*	150	91	2.0	825	1770	37.80	1	3
11. SBL	MD201	*	150	129	2.0	110	1770	37.80	1	3
13. SBT	MD201	*	150	90	2.0	1595	1770	37.80	1	3
15. SBR	MD201	*	150	11	2.0	295	1583	37.80	1	3
22. EBL	MD410	*	150	128	2.0	305	1717	37.80	1	3
24. EBT&R	MD410	*	150	87	2.0	1160	1707	37.80	1	3
31. WBL	MD410	*	150	139	2.0	45	1770	37.80	1	3
34. WBT	MD410	*	150	98	2.0	1475	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	335164.0	471081.0	5.0	*
2. SE 82S		*	335147.0	471029.0	5.0	*
3. SE 164S		*	335148.0	470946.0	5.0	*
4. SE 256S		*	335148.0	470862.0	5.0	*
5. SE MIDS		*	335145.0	470710.0	5.0	*
6. SE 82E		*	335216.0	471067.0	5.0	*
7. SE 164E		*	335302.0	471046.0	5.0	*
8. SE 256E		*	335384.0	471027.0	5.0	*
9. SE MIDE		*	335669.0	470972.0	5.0	*
10. NE COR		*	335193.0	471253.0	5.0	*
11. NE 82N		*	335187.0	471316.0	5.0	*
12. NE 164N		*	335204.0	471401.0	5.0	*

13. NE 256N	*	335207.0	471489.0	5.0	*
14. NE MIDN	*	335262.0	471780.0	5.0	*
15. NE 82E	*	335243.0	471230.0	5.0	*
16. NE 164E	*	335325.0	471209.0	5.0	*
17. NE 256E	*	335406.0	471189.0	5.0	*
18. NE MIDE	*	335678.0	471126.0	5.0	*
19. SW COR	*	335031.0	471127.0	5.0	*
20. SW 82S	*	335048.0	471070.0	5.0	*
21. SW 164S	*	335049.0	470999.0	5.0	*
22. SW 256S	*	335048.0	470923.0	5.0	*
23. SW MIDS	*	335042.0	470711.0	5.0	*
24. SW 82W	*	334979.0	471146.0	5.0	*
25. SW 164W	*	334890.0	471168.0	5.0	*
26. SW 256W	*	334818.0	471192.0	5.0	*
27. SW MIDW	*	334609.0	471258.0	5.0	*
28. NW COR	*	335028.0	471298.0	5.0	*
29. NW 82N	*	335060.0	471344.0	5.0	*
30. NW 164N	*	335077.0	471429.0	5.0	*
31. NW 256N	*	335092.0	471505.0	5.0	*
32. NW MIDN	*	335149.0	471783.0	5.0	*
33. NW 82W	*	334970.0	471290.0	5.0	*
34. NW 164W	*	334887.0	471314.0	5.0	*
35. NW 256W	*	334809.0	471339.0	5.0	*
36. NW MIDW	*	334620.0	471387.0	5.0	*

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.6	.5	.5	.6	.5	.5	.4	.3	.4	.4	.5	.5	.6	.7	.1	.1	.1	.0	.5	.5
5.	*	.6	.5	.4	.5	.4	.4	.4	.2	.4	.4	.5	.4	.5	.5	.1	.1	.0	.0	.3	.6
10.	*	.5	.5	.4	.3	.3	.4	.3	.2	.4	.2	.4	.4	.5	.5	.1	.0	.0	.0	.5	.8
15.	*	.4	.4	.4	.4	.1	.3	.3	.2	.4	.1	.2	.2	.3	.3	.0	.0	.0	.0	.6	.9
20.	*	.3	.3	.1	.2	.0	.3	.3	.3	.4	.0	.2	.1	.2	.2	.0	.0	.0	.0	.7	.7
25.	*	.3	.2	.1	.1	.1	.3	.3	.3	.4	.0	.0	.0	.1	.1	.0	.0	.0	.0	.7	.6
30.	*	.3	.2	.1	.1	.1	.3	.3	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.6	.5
35.	*	.3	.2	.1	.1	.1	.3	.3	.3	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.6	.3
40.	*	.3	.2	.1	.1	.1	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5
45.	*	.3	.2	.1	.1	.1	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
50.	*	.3	.2	.1	.1	.1	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
55.	*	.3	.1	.1	.1	.1	.3	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
60.	*	.4	.1	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
65.	*	.4	.1	.1	.1	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
70.	*	.4	.1	.1	.1	.1	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
75.	*	.3	.1	.1	.1	.1	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.6
80.	*	.3	.1	.1	.1	.1	.3	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.6
85.	*	.3	.1	.1	.1	.1	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7
90.	*	.3	.1	.1	.1	.0	.3	.2	.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	.3	.5	.6
95.	*	.2	.1	.1	.1	.0	.2	.2	.2	.2	.1	.0	.0	.0	.0	.1	.1	.2	.4	.5	.6
100.	*	.1	.1	.1	.0	.0	.1	.1	.1	.2	.2	.1	.0	.0	.0	.2	.2	.3	.4	.5	.7
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.3	.4	.3	.6	.3	.7
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.4	.2	.1	.1	.0	.5	.6	.5	.8	.5	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.6	.6	.8	.4	.7
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.6	.7	.4	.7
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.6	.6	.7	.4	.7
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.1	.6	.6	.5	.7	.5	.8
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.1	.6	.7	.5	.7	.5	.9
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.1	.6	.6	.5	.6	.5	.8
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.1	.6	.6	.5	.5	.5	.8
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.6	.6	.6	.5	.5	.7
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.6	.4	.5	.7
160.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.6	.5	.4	.5	.6
165.	*	.0	.2	.0	.1	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.5	.5	.4	.4	.7
170.	*	.0	.2	.3	.1	.1	.0	.0	.0	.0	.4	.2	.1	.2	.0	.4	.5	.5	.5	.3	.5
175.	*	.1	.3	.3	.1	.2	.0	.0	.0	.0	.3	.2	.1	.2	.1	.4	.5	.5	.5	.3	.5
180.	*	.2	.7	.4	.2	.3	.0	.0	.0	.0	.6	.3	.1	.2	.2	.4	.5	.5	.5	.2	.4
185.	*	.5	.7	.5	.3	.3	.0	.0	.0	.0	.7	.5	.3	.3	.3	.4	.5	.6	.6	.1	.2
190.	*	.5	.8	.5	.3	.3	.1	.0	.0	.0	.7	.6	.4	.4	.4	.5	.5	.6	.6	.1	.2
195.	*	.7	.9	.6	.3	.3	.2	.0	.0	.0	.7	.6	.3	.5	.5	.7	.5	.5	.5	.0	.1
200.	*	.7	1.0	.6	.3	.3	.2	.0	.0	.0	.8	.5	.3	.6	.6	.7	.5	.5	.5	.0	.1
205.	*	.7	1.1	.7	.2	.3	.3	.1	.0	.0	.7	.4	.5	.5	.6	.7	.6	.5	.5	.0	.0

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JOB: S12 410&amp;201 LLRT 2015AM

RUN: S12 410&amp;201 LLRT 2015AM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.8	1.1	.7	.2	.3	.3	.1	.0	.0	.6	.2	.6	.6	.7	.7	.6	.5	.5	.0	.0
215.	*	.8	1.0	.7	.3	.3	.3	.1	.0	.0	.5	.4	.6	.7	.7	.8	.8	.5	.5	.0	.0
220.	*	.8	1.1	.8	.3	.3	.3	.1	.0	.0	.4	.6	.7	.8	.6	.8	.8	.5	.5	.0	.0

225.	*	.8	1.0	.8	.3	.3	.5	.2	.0	.0	.3	.5	.6	.8	.6	.6	.8	.5	.6	.0	.0
230.	*	.8	1.0	.8	.3	.2	.5	.3	.0	.0	.4	.7	.8	.8	.6	.5	.9	.7	.6	.0	.0
235.	*	.8	.9	.9	.3	.2	.5	.3	.0	.0	.4	.8	.8	.8	.6	.4	.8	.8	.5	.0	.0
240.	*	.8	.9	.9	.3	.2	.5	.3	.0	.0	.7	.8	.8	.6	.6	.4	.8	.7	.5	.0	.0
245.	*	.7	.9	.9	.3	.2	.5	.3	.1	.0	.7	.8	.7	.6	.5	.4	.6	.7	.5	.0	.0
250.	*	.6	.9	.9	.2	.2	.4	.3	.2	.0	.8	.8	.7	.6	.5	.5	.5	.6	.6	.0	.0
255.	*	.6	.9	.9	.2	.2	.4	.3	.2	.0	.7	.8	.6	.6	.5	.5	.4	.6	.6	.0	.0
260.	*	.6	.9	.9	.2	.2	.4	.3	.2	.0	.8	.9	.5	.6	.5	.5	.4	.5	.6	.0	.0
265.	*	.6	.9	.9	.2	.2	.3	.3	.2	.0	.8	.8	.5	.5	.5	.6	.5	.4	.7	.0	.0
270.	*	.4	.9	.9	.2	.2	.3	.3	.2	.0	.8	.7	.5	.5	.5	.6	.5	.6	.5	.0	.0
275.	*	.4	.9	.9	.2	.2	.3	.3	.2	.0	.9	.7	.5	.5	.5	.6	.4	.5	.5	.0	.0
280.	*	.4	.9	.9	.3	.2	.3	.3	.1	.0	.9	.7	.5	.5	.5	.6	.4	.3	.4	.1	.0
285.	*	.5	.9	.9	.3	.2	.5	.3	.1	.1	.6	.7	.5	.5	.6	.3	.2	.3	.2	.2	.0
290.	*	.5	.9	.9	.3	.2	.3	.2	.2	.1	.6	.5	.4	.5	.6	.4	.2	.2	.2	.3	.0
295.	*	.6	1.1	.9	.4	.2	.4	.2	.2	.2	.6	.5	.5	.5	.6	.4	.2	.0	.1	.4	.2
300.	*	.6	1.1	.9	.5	.2	.5	.2	.3	.2	.5	.5	.5	.5	.5	.3	.1	.1	.1	.5	.2
305.	*	.6	1.1	1.0	.5	.2	.5	.3	.3	.2	.5	.5	.5	.5	.5	.3	.2	.1	.0	.6	.2
310.	*	.6	1.3	1.1	.6	.2	.4	.2	.3	.3	.6	.5	.5	.5	.5	.3	.2	.1	.0	.6	.3
315.	*	.6	1.2	1.2	.8	.3	.1	.4	.3	.3	.5	.5	.5	.5	.5	.3	.2	.1	.0	.6	.5
320.	*	.5	1.2	1.2	1.0	.3	.2	.3	.4	.4	.5	.5	.5	.6	.5	.3	.2	.1	.0	.7	.5
325.	*	.4	1.1	1.1	1.0	.3	.2	.4	.4	.4	.4	.5	.5	.6	.5	.3	.2	.1	.0	.7	.5
330.	*	.2	.9	1.2	1.1	.3	.3	.4	.4	.4	.4	.5	.5	.6	.5	.2	.2	.1	.0	.7	.5
335.	*	.4	.7	1.2	1.0	.4	.6	.4	.4	.4	.4	.6	.5	.6	.5	.2	.1	.1	.0	.6	.5
340.	*	.3	.7	.8	.9	.5	.6	.4	.4	.4	.5	.6	.5	.6	.5	.3	.1	.1	.0	.6	.4
345.	*	.5	.6	.9	1.0	.5	.5	.4	.4	.4	.5	.5	.5	.8	.6	.3	.1	.1	.0	.4	.5
350.	*	.5	.5	.8	1.0	.5	.5	.4	.4	.4	.4	.5	.5	.7	.6	.3	.1	.1	.0	.4	.5
355.	*	.7	.6	.6	.9	.5	.5	.4	.4	.4	.4	.5	.5	.7	.7	.3	.1	.1	.0	.4	.5
360.	*	.6	.5	.5	.6	.5	.5	.4	.3	.4	.4	.5	.5	.6	.7	.1	.1	.1	.0	.5	.5
MAX		.8	1.3	1.2	1.1	.5	.6	.4	.4	.5	.9	.9	.8	.8	.7	.8	.9	.8	.8	.7	.9
DEGR.	*	210	310	315	330	0	335	0	55	55	275	260	230	220	0	215	230	235	110	20	15

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JOB: S12 410&201 LLRT 2015AM

RUN: S12 410&201 LLRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
0.	*	.4	.4	.5	.8	.6	.3	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0
5.	*	.4	.5	.6	.8	.6	.3	.2	.1	.1	.1	.1	.2	.0	.0	.0	.0
10.	*	.5	.5	.6	.8	.7	.3	.2	.1	.3	.3	.3	.2	.1	.0	.0	.0
15.	*	.6	.6	.6	.8	.7	.5	.2	.3	.3	.3	.3	.4	.1	.1	.0	.0
20.	*	.6	.8	.5	.8	.8	.5	.2	.3	.4	.4	.4	.5	.1	.1	.1	.0
25.	*	.5	.7	.5	.8	.8	.5	.2	.3	.5	.5	.4	.5	.2	.1	.1	.0
30.	*	.5	.8	.5	.9	.8	.6	.2	.4	.5	.6	.5	.5	.2	.1	.1	.0
35.	*	.7	.9	.5	.8	.8	.6	.3	.4	.5	.6	.6	.6	.2	.1	.1	.1
40.	*	.7	1.0	.5	.6	.8	.6	.3	.5	.5	.5	.5	.6	.2	.1	.1	.1
45.	*	.8	1.0	.5	.6	.8	.7	.3	.4	.5	.5	.5	.6	.3	.2	.1	.1
50.	*	.8	.9	.5	.6	.8	.8	.3	.4	.4	.5	.5	.5	.2	.2	.1	.1
55.	*	.8	.9	.4	.5	.8	.8	.3	.4	.4	.4	.5	.5	.2	.1	.1	.1
60.	*	.7	.8	.4	.2	.8	.8	.3	.4	.4	.4	.5	.5	.3	.1	.1	.1
65.	*	.8	.8	.4	.3	.6	.9	.2	.4	.4	.4	.5	.5	.3	.1	.1	.0
70.	*	.8	.8	.4	.4	.6	.8	.2	.4	.4	.4	.5	.5	.3	.1	.1	.0
75.	*	.8	.8	.4	.4	.7	.8	.2	.4	.4	.4	.5	.5	.3	.1	.1	.0
80.	*	.8	.8	.4	.4	.6	.8	.3	.3	.4	.4	.5	.5	.3	.1	.1	.0
85.	*	.8	.8	.4	.5	.4	.7	.3	.4	.4	.5	.5	.4	.3	.1	.1	.0
90.	*	.8	.9	.3	.6	.3	.7	.5	.4	.4	.5	.5	.4	.3	.2	.1	.0
95.	*	.8	.7	.3	.4	.5	.5	.4	.5	.4	.4	.5	.4	.4	.3	.2	.2
100.	*	.8	.6	.3	.3	.3	.4	.4	.5	.5	.4	.5	.5	.4	.2	.2	.2
105.	*	.7	.5	.3	.2	.2	.2	.3	.7	.6	.5	.5	.5	.5	.4	.2	.4
110.	*	.7	.5	.3	.3	.3	.2	.2	.6	.7	.5	.6	.5	.6	.5	.4	.4
115.	*	.7	.4	.3	.3	.2	.2	.0	.6	.7	.5	.5	.5	.5	.4	.5	.5
120.	*	.7	.4	.3	.3	.3	.2	.0	.5	.7	.5	.5	.5	.5	.6	.6	.4
125.	*	.7	.5	.3	.3	.3	.2	.0	.4	.8	.5	.5	.6	.4	.8	.7	.4
130.	*	.8	.4	.4	.3	.3	.2	.0	.4	.8	.5	.5	.6	.4	.7	.7	.5
135.	*	.7	.3	.4	.3	.3	.2	.0	.4	.6	.5	.5	.6	.6	.9	.7	.5
140.	*	.7	.3	.4	.3	.2	.1	.0	.2	.6	.5	.5	.5	.6	1.0	.8	.4
145.	*	.6	.4	.4	.3	.2	.1	.0	.3	.6	.5	.6	.7	.9	1.0	.7	.4
150.	*	.6	.4	.4	.3	.1	.1	.0	.3	.4	.5	.6	.7	1.0	1.0	.6	.3
155.	*	.6	.4	.4	.3	.1	.1	.0	.5	.3	.5	.6	.7	1.0	.9	.6	.3
160.	*	.6	.5	.4	.2	.1	.0	.0	.6	.3	.4	.6	.6	1.1	.9	.6	.3
165.	*	.6	.5	.5	.1	.1	.0	.0	.6	.5	.3	.4	.6	.9	.8	.4	.3
170.	*	.6	.5	.4	.1	.0	.0	.0	.7	.5	.3	.4	.6	.9	.8	.4	.3
175.	*	.5	.5	.3	.1	.0	.0	.0	.6	.4	.4	.4	.6	.9	.7	.4	.3
180.	*	.3	.3	.3	.1	.0	.0	.0	.7	.3	.5	.3	.4	.9	.7	.3	.3
185.	*	.3	.3	.2	.0	.0	.0	.0	.6	.3	.2	.3	.4	.9	.6	.3	.3
190.	*	.2	.2	.2	.0	.0	.0	.0	.6	.3	.2	.2	.3	.9	.5	.3	.3
195.	*	.1	.1	.1	.0	.0	.0	.0	.5	.4	.3	.2	.2	.9	.5	.3	.3
200.	*	.1	.1	.1	.0	.0	.0	.0	.7	.3	.3	.2	.1	.9	.5	.3	.3
205.	*	.1	.1	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.9	.5	.3	.3

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JOB: S12 410&201 LLRT 2015AM

RUN: S12 410&201 LLRT 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.9	.5	.2	.3
215.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.9	.4	.2	.3
220.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.0	.8	.4	.2	.3
225.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.0	.7	.4	.2	.3
230.	*	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.8	.4	.3	.3
235.	*	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.8	.4	.3	.3
240.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.7	.4	.3	.3
245.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.7	.4	.4	.4
250.	*	.0	.0	.0	.0	.0	.0	.6	.2	.1	.1	.0	.7	.3	.4	.4
255.	*	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.4	.4	.4
260.	*	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.5	.4	.4	.4
265.	*	.0	.0	.0	.0	.0	.0	.3	.1	.1	.0	.0	.6	.4	.4	.4
270.	*	.0	.0	.0	.0	.0	.0	.3	.1	.1	.0	.0	.5	.4	.4	.4
275.	*	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.4	.4	.4	.3
280.	*	.0	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	.4	.4	.3	.2
285.	*	.0	.0	.0	.2	.2	.1	.1	.1	.0	.0	.0	.3	.3	.2	.2
290.	*	.0	.0	.0	.4	.2	.2	.2	.1	.0	.0	.0	.2	.2	.1	.1
295.	*	.0	.0	.0	.5	.2	.2	.2	.1	.0	.0	.0	.1	.1	.1	.1
300.	*	.1	.0	.0	.4	.3	.2	.3	.0	.0	.0	.0	.1	.1	.0	.0
305.	*	.1	.0	.0	.5	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.2	.1	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.2	.1	.0	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.2	.1	.0	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.2	.2	.0	.7	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.3	.2	.0	.8	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.3	.2	.0	.8	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.4	.3	.1	.8	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.3	.1	.8	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.4	.3	.1	.8	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.5	.3	.2	.8	.5	.2	.2	.0	.0	.0	.1	.0	.0	.0	.0
360.	*	.4	.4	.5	.8	.6	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0
MAX	*	.8	1.0	.6	.9	.8	.9	.5	.7	.8	.6	.6	.7	1.1	1.0	.5
DEGR.	*	45	40	5	30	20	65	90	105	125	30	35	145	160	140	115

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 310 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 315 DEGREES FROM REC3 .  
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 330 DEGREES FROM REC4 .

S12 410&201 LLRT 2015PM				60.0321.0.0000.000360.30480000	1	1
SE COR		335164.	471081.	5.0		
SE 82S		335147.	471029.	5.0		
SE 164S		335148.	470946.	5.0		
SE 256S		335148.	470862.	5.0		
SE MIDS		335145.	470710.	5.0		
SE 82E		335216.	471067.	5.0		
SE 164E		335302.	471046.	5.0		
SE 256E		335384.	471027.	5.0		
SE MIDE		335669.	470972.	5.0		
NE COR		335193.	471253.	5.0		
NE 82N		335187.	471316.	5.0		
NE 164N		335204.	471401.	5.0		
NE 256N		335207.	471489.	5.0		
NE MIDN		335262.	471780.	5.0		
NE 82E		335243.	471223.	5.0		
NE 164E		335325.	471200.	5.0		
NE 256E		335407.	471180.	5.0		
NE MIDE		335678.	471126.	5.0		
SW COR		335023.	471122.	5.0		
SW 82S		335048.	471070.	5.0		
SW 164S		335049.	470999.	5.0		
SW 256S		335048.	470923.	5.0		
SW MIDS		335042.	470711.	5.0		
SW 82W		334975.	471140.	5.0		
SW 164W		334890.	471168.	5.0		
SW 256W		334818.	471192.	5.0		
SW MIDW		334609.	471258.	5.0		
NW COR		335028.	471298.	5.0		
NW 82N		335060.	471344.	5.0		
NW 164N		335077.	471429.	5.0		
NW 256N		335092.	471505.	5.0		
NW MIDN		335149.	471783.	5.0		
NW 82W		334970.	471290.	5.0		
NW 164W		334887.	471314.	5.0		
NW 256W		334809.	471339.	5.0		
NW MIDW		334620.	471379.	5.0		
S12 410&201 LLRT 2015PM				41	1	0
1						
NBL	MD201	AG335103.471187.335103.470844.	400	3.5	0.	44 30
2						
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2	
	150	130 2.0 400 37.8 1717 1 3				
1						
NBT&R	MD201	AG335127.471184.335127.470844.	1200	3.5	0.	44 30
2						
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2	
	150	91 2.0 1200 37.8 1770 1 3				
1						
NBR	MD201	AG335215.471131.335128.471086.	50	3.5	0.	32 30
1						
NBALL	MD201	AG335117.470845.335128.470197.	1600	3.5	0.	56 30
1						
NBDP	MD201	AG335351.472166.335281.471962.	2000	3.5	0.	44 30
1						
NBDP	MD201	AG335281.471962.335220.471692.	2000	3.5	0.	44 30
1						
NBDP	MD201	AG335220.471692.335134.471213.	2000	3.5	0.	44 30
1						
SBL	MD201	AG335116.471204.335153.471436.	365	3.7	0.	32 23
2						
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1	
	150	129 2.0 365 37.8 1770 1 3				
1						
SBT	MD201	AG335099.471207.335138.471435.	1260	3.7	0.	44 23
2						
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2	
	150	90 2.0 1260 37.8 1770 1 3				
1						
SBR	MD201	AG335081.471226.335119.471436.	165	3.7	0.	32 23
2						
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1	
	150	11 2.0 165 37.8 1583 1 3				
1						
SBALL	MD201	AG335136.471437.335203.471800.	1790	3.7	0.	44 23
1						
SBALL	MD201	AG335203.471800.335240.471959.	1790	3.7	0.	44 23
1						
SBALL	MD201	AG335240.471959.335319.472174.	1790	3.7	0.	44 23
1						
SBDP	MD201	AG335061.470196.335076.471195.	1830	3.7	0.	44 23
1						
SBR	MD201	AG334996.471263.335099.471319.	165	3.6	0.	32 24
1						
EBL	MD410	AG335119.471188.334753.471292.	585	3.5	0.	44 40
2						
EBL	MD410	AG335012.471218.334892.471252.	0.	24	2	
	150	128 2.0 585 37.8 1717 1 3				
1						
EBT&R	MD410	AG335119.471163.334749.471264.	1840	3.5	0.	56 40
2						
EBT&R	MD410	AG335011.471192.334833.471241.	0.	36	3	
	150	87 2.0 1840 37.8 1707 1 3				
1						
EBDP	MD410	AG336090.471018.335726.471037.	1820	3.5	0.	56 40

1									
EBDP	MD410	AG335726.471037.335543.471060.	1820	3.5	0.	56	40		
1									
EBDP	MD410	AG335543.471060.335123.471161.	1820	3.5	0.	56	40		
1									
WBL	MD410	AG335121.471191.335396.471121.	135	3.8	0.	32	34		
2									
WBL	MD410	AG335175.471177.335304.471145.	0.	12	1				
150		139 2.0 135 37.8 1770 1 3							
1									
WBL	MD410	AG335396.471121.335543.471097.	135	3.8	0.	32	34		
1									
WBT	MD410	AG335110.471215.335399.471140.	1435	3.8	0.	44	34		
2									
WBT	MD410	AG335163.471202.335367.471148.	0.	24	2				
150		98 2.0 1435 37.8 1770 1 3							
1									
WBT	MD410	AG335399.471140.335546.471114.	1435	3.8	0.	44	34		
1									
WBR	MD410	AG335149.471281.335193.471223.	265	3.8	0.	32	34		
1									
WBR	MD410	AG335192.471223.335238.471201.	265	3.8	0.	32	34		
1									
WBR	MD410	AG335238.471201.335553.471128.	265	3.8	0.	32	34		
1									
WBALL	MD410	AG335547.471114.335816.471081.	1835	3.8	0.	56	34		
1									
WBALL	MD410	AG335816.471081.336099.471068.	1835	3.8	0.	56	34		
1									
WBDP	MD410	AG334145.471469.335112.471222.	2000	3.8	0.	44	34		
1									
WBR	MD410	AG335072.471121.335017.471187.	265	3.8	0.	32	34		
1									
WBALL	MD410	AG334747.471268.334134.471442.	1835	3.8	0.	44	34		
1.0	04	1000	0Y	5	0	72			

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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	400.	3.5	.0	44.0	
2. NBL	MD201	*	335103.0	471079.0	335103.0	470697.6	*	381.	180. AG	176.	100.0	.0	24.0	1.09 19.4
3. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	1200.	3.5	.0	44.0	
4. NBT&R	MD201	*	335127.0	471081.0	335127.0	470732.2	*	349.	180. AG	123.	100.0	.0	24.0	.92 17.7
5. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	50.	3.5	.0	32.0	
6. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1600.	3.5	.0	56.0	
7. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	2000.	3.5	.0	44.0	
8. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	2000.	3.5	.0	44.0	
9. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	2000.	3.5	.0	44.0	
10. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	365.	3.7	.0	32.0	
11. SBL	MD201	*	335124.0	471252.0	335434.3	473234.8	*	2007.	9. AG	87.	100.0	.0	12.0	1.83 102.0
12. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1260.	3.7	.0	44.0	
13. SBT	MD201	*	335110.0	471271.0	335173.5	471649.4	*	384.	10. AG	122.	100.0	.0	24.0	.95 19.5
14. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	165.	3.7	.0	32.0	
15. SBR	MD201	*	335092.0	471287.0	335093.8	471296.8	*	10.	11. AG	7.	100.0	.0	12.0	.12 .5
16. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	1790.	3.7	.0	44.0	
17. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	1790.	3.7	.0	44.0	
18. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	1790.	3.7	.0	44.0	
19. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1830.	3.7	.0	44.0	
20. SBR	MD201	*	334996.0	471263.0	335099.0	471319.0	*	117.	61. AG	165.	3.6	.0	32.0	
21. EBL	MD410	*	335119.0	471188.0	334753.0	471292.0	*	380.	286. AG	585.	3.5	.0	44.0	
22. EBL	MD410	*	335012.0	471218.0	333905.8	471531.3	*	1150.	286. AG	173.	100.0	.0	24.0	1.42 58.4
23. EBT&R	MD410	*	335119.0	471163.0	334749.0	471264.0	*	384.	285. AG	1840.	3.5	.0	56.0	
24. EBT&R	MD410	*	335011.0	471192.0	334688.4	471280.9	*	335.	285. AG	176.	100.0	.0	36.0	.91 17.0
25. EBDP	MD410	*	336090.0	471018.0	335726.0	471037.0	*	364.	273. AG	1820.	3.5	.0	56.0	
26. EBDP	MD410	*	335726.0	471037.0	335543.0	471060.0	*	184.	277. AG	1820.	3.5	.0	56.0	
27. EBDP	MD410	*	335543.0	471060.0	335123.0	471161.0	*	432.	284. AG	1820.	3.5	.0	56.0	
28. WBL	MD410	*	335121.0	471191.0	335396.0	471121.0	*	284.	104. AG	135.	3.8	.0	32.0	
29. WBL	MD410	*	335175.0	471177.0	335851.5	471009.3	*	697.	104. AG	94.	100.0	.0	12.0	1.65 35.4
30. WBL	MD410	*	335396.0	471121.0	335543.0	471097.0	*	149.	99. AG	135.	3.8	.0	32.0	
31. WBT	MD410	*	335110.0	471215.0	335399.0	471140.0	*	299.	105. AG	1435.	3.8	.0	44.0	
32. WBT	MD410	*	335163.0	471202.0	337112.2	470685.7	*	2016.	105. AG	132.	100.0	.0	24.0	1.27 102.4
33. WBT	MD410	*	335399.0	471140.0	335546.0	471114.0	*	149.	100. AG	1435.	3.8	.0	44.0	
34. WBR	MD410	*	335149.0	471281.0	335193.0	471223.0	*	73.	143. AG	265.	3.8	.0	32.0	
35. WBR	MD410	*	335192.0	471223.0	335238.0	471201.0	*	51.	116. AG	265.	3.8	.0	32.0	
36. WBR	MD410	*	335238.0	471201.0	335553.0	471128.0	*	323.	103. AG	265.	3.8	.0	32.0	
37. WBALL	MD410	*	335547.0	471114.0	335816.0	471081.0	*	271.	97. AG	1835.	3.8	.0	56.0	
38. WBALL	MD410	*	335816.0	471081.0	336099.0	471068.0	*	283.	93. AG	1835.	3.8	.0	56.0	
39. WBDP	MD410	*	334145.0	471469.0	335112.0	471222.0	*	998.	104. AG	2000.	3.8	.0	44.0	
40. WBR	MD410	*	335072.0	471121.0	335017.0	471187.0	*	86.	320. AG	265.	3.8	.0	32.0	
41. WBALL	MD410	*	334747.0	471268.0	334134.0	471442.0	*	637.	286. AG	1835.	3.8	.0	44.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. NBL	MD201	*	150	130	2.0	400	1717	37.80	1	3
4. NBT&R	MD201	*	150	91	2.0	1200	1770	37.80	1	3
11. SBL	MD201	*	150	129	2.0	365	1770	37.80	1	3
13. SBT	MD201	*	150	90	2.0	1260	1770	37.80	1	3
15. SBR	MD201	*	150	11	2.0	165	1583	37.80	1	3
22. EBL	MD410	*	150	128	2.0	585	1717	37.80	1	3
24. EBT&R	MD410	*	150	87	2.0	1840	1707	37.80	1	3
29. WBL	MD410	*	150	139	2.0	135	1770	37.80	1	3
32. WBT	MD410	*	150	98	2.0	1435	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	335164.0	471081.0	5.0	*
2. SE 82S		*	335147.0	471029.0	5.0	*
3. SE 164S		*	335148.0	470946.0	5.0	*
4. SE 256S		*	335148.0	470862.0	5.0	*
5. SE MIDS		*	335145.0	470710.0	5.0	*
6. SE 82E		*	335216.0	471067.0	5.0	*
7. SE 164E		*	335302.0	471046.0	5.0	*
8. SE 256E		*	335384.0	471027.0	5.0	*
9. SE MIDE		*	335669.0	470972.0	5.0	*
10. NE COR		*	335193.0	471253.0	5.0	*
11. NE 82N		*	335187.0	471316.0	5.0	*
12. NE 164N		*	335204.0	471401.0	5.0	*



13. NE 256N	*	335207.0	471489.0	5.0	*
14. NE MIDN	*	335262.0	471780.0	5.0	*
15. NE 82E	*	335243.0	471223.0	5.0	*
16. NE 164E	*	335325.0	471200.0	5.0	*
17. NE 256E	*	335407.0	471180.0	5.0	*
18. NE MIDE	*	335678.0	471126.0	5.0	*
19. SW COR	*	335023.0	471122.0	5.0	*
20. SW 82S	*	335048.0	471070.0	5.0	*
21. SW 164S	*	335049.0	470999.0	5.0	*
22. SW 256S	*	335048.0	470923.0	5.0	*
23. SW MIDS	*	335042.0	470711.0	5.0	*
24. SW 82W	*	334975.0	471140.0	5.0	*
25. SW 164W	*	334890.0	471168.0	5.0	*
26. SW 256W	*	334818.0	471192.0	5.0	*
27. SW MIDW	*	334609.0	471258.0	5.0	*
28. NW COR	*	335028.0	471298.0	5.0	*
29. NW 82N	*	335060.0	471344.0	5.0	*
30. NW 164N	*	335077.0	471429.0	5.0	*
31. NW 256N	*	335092.0	471505.0	5.0	*
32. NW MIDN	*	335149.0	471783.0	5.0	*
33. NW 82W	*	334970.0	471290.0	5.0	*
34. NW 164W	*	334887.0	471314.0	5.0	*
35. NW 256W	*	334809.0	471339.0	5.0	*
36. NW MIDW	*	334620.0	471379.0	5.0	*

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.6	.7	.8	.8	1.1	.7	.5	.3	.5	.5	.6	.6	.8	.7	.2	.1	.0	.0	.4	.5
5.	*	.6	.7	.6	.6	.7	.6	.4	.3	.5	.4	.5	.5	.7	.6	.1	.0	.0	.0	.6	.6
10.	*	.7	.6	.6	.3	.4	.5	.4	.3	.5	.2	.5	.2	.5	.6	.1	.0	.0	.0	.4	.7
15.	*	.6	.6	.5	.3	.2	.4	.4	.3	.5	.2	.2	.2	.4	.4	.0	.0	.0	.0	.5	.8
20.	*	.4	.4	.3	.3	.2	.4	.4	.4	.5	.0	.1	.1	.2	.2	.0	.0	.0	.0	.6	.8
25.	*	.4	.4	.2	.1	.1	.4	.4	.4	.5	.0	.0	.0	.1	.1	.0	.0	.0	.0	.7	.7
30.	*	.4	.4	.2	.1	.1	.4	.4	.4	.5	.0	.0	.0	.1	.1	.0	.0	.0	.0	.7	.7
35.	*	.4	.4	.2	.1	.1	.4	.4	.4	.5	.0	.0	.0	.1	.1	.0	.0	.0	.0	.7	.5
40.	*	.4	.4	.3	.1	.1	.4	.3	.4	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.7	.5
45.	*	.4	.4	.3	.1	.1	.4	.3	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6
50.	*	.4	.3	.3	.1	.1	.4	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6
55.	*	.4	.3	.3	.1	.1	.4	.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
60.	*	.5	.3	.3	.1	.1	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7
65.	*	.5	.3	.3	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8
70.	*	.5	.3	.2	.1	.1	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
75.	*	.4	.3	.2	.1	.1	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.8
80.	*	.4	.3	.1	.1	.1	.4	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	.8
85.	*	.4	.3	.1	.1	.1	.4	.4	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.7	.9
90.	*	.4	.2	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.1	.1	.1	.2	.6	.9
95.	*	.4	.1	.1	.1	.0	.4	.4	.3	.2	.1	.0	.0	.0	.0	.1	.1	.2	.4	.6	.9
100.	*	.3	.1	.1	.0	.0	.3	.1	.1	.2	.2	.1	.0	.0	.0	.3	.3	.3	.5	.5	.8
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.3	.1	.1	.0	.0	.5	.6	.6	.6	.5	.8
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.5	.1	.1	.1	.0	.5	.7	.6	.7	.5	.8
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.7	.7	.8	.4	.8
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.9	.8	.8	.5	.8
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.8	.8	.8	.6	.8
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.1	.7	.8	.7	.8	.6	.8
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.1	.1	.7	.6	.7	.8	.6	.8
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.1	.1	.7	.6	.7	.8	.6	.9
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.1	.1	.7	.6	.6	.6	.8	.9
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.2	.1	.1	.7	.6	.6	.7	.7	1.0
155.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.4	.2	.1	.0	.6	.6	.6	.6	.6	.9
160.	*	.0	.2	.1	.0	.1	.0	.0	.0	.0	.5	.4	.2	.1	.0	.6	.6	.6	.6	.5	.9
165.	*	.0	.2	.2	.2	.1	.0	.0	.0	.0	.5	.4	.1	.2	.0	.6	.6	.6	.6	.6	.8
170.	*	.1	.4	.4	.2	.2	.0	.0	.0	.0	.5	.4	.1	.2	.1	.6	.6	.6	.6	.6	.8
175.	*	.2	.6	.5	.5	.2	.0	.0	.0	.0	.6	.5	.1	.2	.2	.6	.6	.6	.6	.3	.7
180.	*	.6	.9	.7	.6	.3	.0	.0	.0	.0	.7	.5	.2	.4	.2	.6	.6	.6	.6	.2	.5
185.	*	.7	1.1	.9	.8	.4	.3	.0	.0	.0	.8	.6	.5	.4	.4	.8	.6	.7	.6	.1	.3
190.	*	.8	1.2	1.1	.9	.4	.4	.0	.0	.0	.9	.8	.5	.7	.6	.9	.6	.7	.6	.1	.3
195.	*	.9	1.3	1.2	1.0	.4	.4	.0	.0	.0	.9	.7	.4	.8	.6	.9	.6	.7	.6	.0	.1
200.	*	.8	1.2	1.3	1.1	.4	.4	.1	.0	.0	.9	.6	.4	.8	.6	.9	.7	.6	.6	.0	.1
205.	*	.8	1.2	1.3	1.1	.4	.5	.3	.0	.0	.7	.5	.6	.6	.7	.9	.9	.6	.6	.0	.0

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JOB: S12 410&amp;201 LLRT 2015PM

RUN: S12 410&amp;201 LLRT 2015PM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.8	1.2	1.2	1.2	.4	.6	.3	.0	.0	.7	.4	.6	.7	.7	1.0	.9	.7	.6	.0	.0
215.	*	.8	1.2	1.2	1.2	.3	.6	.3	.0	.0	.6	.3	.5	.8	.7	1.0	.9	.7	.6	.0	.0
220.	*	.8	1.2	1.1	1.1	.3	.6	.3	.1	.0	.3	.7	.7	.9	.8	1.0	.9	.8	.6	.0	.0

225.	*	.8	1.1	1.1	1.1	.3	.6	.3	.2	.0	.4	.6	.8	1.1	.7	1.0	.9	.8	.6	.0	.0
230.	*	.8	1.1	1.1	1.1	.3	.6	.3	.2	.0	.4	.8	.9	1.1	.6	.9	.9	.8	.6	.0	.0
235.	*	.8	1.1	1.0	1.0	.4	.6	.3	.2	.0	.4	.9	.9	1.0	.6	.7	1.0	.8	.7	.0	.0
240.	*	.8	.9	.9	1.0	.4	.6	.3	.2	.0	.6	.9	.9	1.0	.6	.6	.9	.9	.7	.0	.0
245.	*	.7	.9	.9	1.0	.4	.6	.3	.2	.0	.5	.9	.9	.9	.6	.6	.7	.8	.9	.0	.0
250.	*	.6	.9	.9	1.0	.5	.5	.3	.2	.0	.6	.9	.9	.9	.5	.6	.7	.7	1.0	.0	.0
255.	*	.6	.9	.9	.9	.5	.5	.3	.2	.1	.6	1.0	.9	.8	.4	.6	.7	.7	.8	.0	.0
260.	*	.6	.9	.9	.9	.5	.5	.3	.2	.1	.8	1.1	.9	.8	.4	.6	1.0	.7	.8	.0	.0
265.	*	.6	.9	.9	.9	.6	.4	.3	.2	.1	.9	1.0	.8	.7	.4	.6	1.0	.9	.8	.0	.0
270.	*	.4	.9	.9	.9	.6	.4	.3	.2	.1	1.0	1.0	.8	.7	.4	.8	.7	1.0	.8	.0	.0
275.	*	.4	.9	.9	.9	.6	.4	.3	.2	.0	1.1	1.0	.7	.7	.4	.8	.8	.7	.8	.0	.0
280.	*	.6	.9	.9	.9	.6	.6	.5	.3	.2	1.0	.8	.7	.6	.4	.8	.7	.6	.6	.2	.0
285.	*	.7	1.0	.9	.9	.6	.8	.3	.3	.3	.9	.8	.6	.6	.5	.5	.5	.5	.3	.2	.1
290.	*	.7	1.1	1.0	.9	.6	.7	.4	.4	.4	.7	.7	.6	.6	.5	.5	.4	.4	.3	.7	.2
295.	*	.8	1.3	1.0	1.0	.8	.7	.6	.4	.4	.7	.6	.6	.6	.4	.5	.4	.1	.1	.7	.5
300.	*	.8	1.4	1.1	1.0	.8	.7	.5	.5	.5	.5	.6	.6	.6	.4	.4	.2	.1	.1	.9	.7
305.	*	.8	1.6	1.3	1.1	.9	.7	.5	.5	.5	.5	.6	.6	.6	.4	.4	.2	.1	.0	.8	.6
310.	*	.6	1.5	1.3	1.3	.9	.6	.3	.4	.5	.6	.6	.6	.6	.4	.4	.3	.1	.0	.8	.6
315.	*	.6	1.3	1.4	1.3	1.0	.5	.3	.4	.4	.6	.6	.6	.6	.4	.4	.3	.1	.0	.9	.6
320.	*	.6	1.3	1.5	1.4	1.0	.3	.4	.4	.5	.6	.6	.6	.7	.5	.3	.3	.1	.0	.8	.6
325.	*	.5	1.2	1.4	1.4	1.2	.2	.6	.5	.5	.6	.6	.6	.7	.5	.3	.3	.1	.0	.7	.6
330.	*	.4	1.2	1.5	1.4	1.2	.2	.6	.5	.5	.6	.6	.6	.8	.5	.3	.3	.0	.0	.7	.6
335.	*	.4	.9	1.4	1.4	1.3	.5	.7	.5	.5	.6	.7	.6	.8	.5	.3	.3	.0	.0	.7	.5
340.	*	.4	.9	.9	1.1	1.2	.6	.7	.5	.5	.6	.8	.6	.8	.5	.3	.3	.1	.0	.6	.4
345.	*	.6	.6	.9	1.1	1.2	.7	.7	.5	.5	.6	.8	.7	.7	.6	.4	.1	.1	.0	.6	.5
350.	*	.7	.7	.9	.9	1.2	.7	.5	.5	.5	.6	.8	.6	.7	.6	.4	.1	.1	.0	.5	.5
355.	*	.6	.8	.9	1.1	1.1	.7	.5	.4	.5	.5	.8	.6	.7	.3	.1	.0	.0	.4	.4	.4
360.	*	.6	.7	.8	.8	1.1	.7	.5	.3	.5	.5	.6	.6	.8	.7	.2	.1	.0	.0	.4	.5
MAX	*	.9	1.6	1.5	1.4	1.3	.8	.7	.6	.6	1.1	1.1	.9	1.1	.8	1.0	1.0	1.0	1.0	.9	1.0
DEGR.	*	195	305	320	320	335	285	335	80	40	275	260	230	225	220	210	235	270	250	300	150

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JOB: S12 410&201 LLRT 2015PM

RUN: S12 410&201 LLRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
0.	*	.6	.3	.3	.7	.7	.8	.5	.0	.0	.0	.0	.1	.0	.0	.0	.0
5.	*	.6	.6	.7	.7	.7	.8	.5	.1	.1	.1	.1	.1	.0	.0	.0	.0
10.	*	.7	.7	.7	.8	.7	.9	.5	.1	.3	.3	.2	.1	.0	.0	.0	.0
15.	*	.7	.8	.7	.9	.7	.9	.5	.3	.3	.3	.2	.1	.0	.0	.0	.0
20.	*	.7	.9	.9	.8	.8	.9	.5	.3	.4	.3	.3	.4	.1	.0	.0	.0
25.	*	.7	.7	.9	.8	.8	.9	.5	.4	.5	.5	.4	.4	.2	.1	.0	.0
30.	*	.6	.9	.9	.8	.9	1.0	.5	.5	.5	.6	.5	.4	.3	.1	.0	.0
35.	*	.8	.9	1.0	.8	.9	1.0	.5	.5	.5	.6	.6	.3	.4	.1	.0	.0
40.	*	.9	1.0	1.0	.7	.9	.9	.6	.5	.6	.6	.6	.3	.4	.1	.0	.0
45.	*	1.0	1.0	.9	.7	1.0	1.0	.6	.5	.6	.6	.6	.3	.3	.2	.0	.0
50.	*	.9	1.0	.9	.5	1.1	1.0	.6	.5	.5	.6	.3	.3	.2	.0	.0	.0
55.	*	1.0	1.0	.8	.3	1.0	1.0	.7	.5	.5	.6	.3	.3	.2	.0	.0	.0
60.	*	1.0	.9	.8	.3	1.0	1.0	.7	.5	.5	.5	.3	.3	.2	.1	.0	.0
65.	*	1.1	.9	.8	.3	.7	1.0	.7	.5	.5	.5	.4	.3	.2	.1	.0	.0
70.	*	1.1	.9	.8	.4	.7	.9	.8	.5	.5	.5	.4	.3	.2	.1	.0	.0
75.	*	1.1	.9	.8	.5	.8	.9	.8	.5	.5	.5	.4	.4	.2	.1	.0	.0
80.	*	1.0	.9	.7	.6	.7	1.0	.9	.4	.5	.5	.4	.3	.2	.1	.0	.0
85.	*	.9	.9	.6	.7	.5	.8	.9	.4	.5	.5	.3	.4	.1	.1	.0	.0
90.	*	.9	.9	.5	.6	.5	.7	1.0	.4	.5	.5	.3	.4	.1	.1	.1	.1
95.	*	.9	.9	.5	.5	.7	.6	.9	.5	.5	.5	.3	.4	.3	.2	.3	.3
100.	*	.9	.8	.5	.5	.6	.5	.9	.5	.6	.5	.3	.5	.2	.2	.5	.5
105.	*	.8	.8	.4	.4	.3	.3	.5	.7	.6	.6	.5	.3	.5	.3	.3	.6
110.	*	.8	.8	.4	.4	.3	.2	.5	.7	.7	.6	.6	.3	.7	.6	.4	.9
115.	*	.8	.8	.4	.3	.3	.1	.1	.8	.8	.6	.6	.3	.7	.6	.6	1.0
120.	*	.8	.8	.3	.3	.3	.2	.2	.8	.8	.6	.6	.4	.6	.8	.7	1.0
125.	*	.8	.8	.3	.3	.3	.3	.1	.7	1.0	.7	.6	.4	.6	.8	.7	1.2
130.	*	.8	.7	.3	.3	.3	.1	.6	1.0	.7	.6	.5	.6	.7	.9	1.1	1.1
135.	*	.9	.8	.3	.4	.3	.3	.0	.5	.8	.7	.6	.5	.6	1.0	.9	1.2
140.	*	.9	.9	.4	.4	.3	.3	.0	.2	.8	.7	.6	.6	.7	1.2	1.1	1.0
145.	*	.9	.9	.4	.4	.3	.2	.0	.2	.7	.6	.6	.6	.9	1.2	1.1	1.0
150.	*	.9	.8	.4	.4	.3	.2	.0	.6	.6	.6	.7	.5	1.0	1.1	1.1	.9
155.	*	.9	.8	.4	.4	.2	.1	.0	.7	.3	.6	.7	.5	.9	1.2	1.1	.7
160.	*	.8	.8	.4	.3	.2	.0	.0	.7	.5	.5	.6	.5	1.0	1.1	.9	.7
165.	*	.9	.8	.4	.2	.1	.0	.0	.6	.5	.5	.5	.5	1.0	1.1	.9	.6
170.	*	.8	.7	.4	.2	.0	.0	.0	.6	.5	.6	.6	.5	1.0	.9	.9	.6
175.	*	.8	.6	.4	.2	.0	.0	.0	.6	.5	.5	.7	.6	1.0	.9	.9	.6
180.	*	.5	.5	.3	.1	.0	.0	.0	.7	.5	.6	.4	.5	.9	.9	.8	.6
185.	*	.4	.4	.2	.0	.0	.0	.0	.7	.4	.3	.4	.4	.9	.9	.9	.6
190.	*	.2	.2	.1	.0	.0	.0	.0	.6	.5	.3	.2	.3	.9	.9	.9	.6
195.	*	.1	.1	.1	.0	.0	.0	.0	.5	.5	.3	.1	.2	.9	.9	.9	.6
200.	*	.1	.1	.1	.0	.0	.0	.0	.7	.4	.4	.3	.1	.9	.9	.9	.6
205.	*	.1	.1	.0	.0	.0	.0	.0	.7	.4	.4	.3	.1	.9	.9	.8	.6

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JOB: S12 410&201 LLRT 2015PM

RUN: S12 410&201 LLRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
210.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.2	.9	.9	.8	.6	
215.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.9	.8	.8	.6	
220.	*	.0	.0	.0	.0	.0	.0	.7	.5	.4	.3	.1	.9	.9	.8	.6	
225.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.9	.9	.8	.6	
230.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.9	.9	.8	.6	
235.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.9	.9	.8	.7	
240.	*	.0	.0	.0	.0	.0	.0	.8	.6	.3	.3	.1	1.0	.9	.8	.8	
245.	*	.0	.0	.0	.0	.0	.0	.8	.6	.3	.2	.1	1.0	.9	.7	.8	
250.	*	.0	.0	.0	.0	.0	.0	.8	.6	.3	.2	.1	1.0	1.0	.7	.8	
255.	*	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.0	1.0	1.0	.8	.8	
260.	*	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.0	1.0	1.0	.8	.8	
265.	*	.0	.0	.0	.0	.0	.0	.9	.5	.2	.1	.0	1.1	.9	.8	.8	
270.	*	.0	.0	.0	.0	.0	.0	.7	.5	.2	.1	.0	1.1	.9	.8	.8	
275.	*	.0	.0	.0	.1	.1	.1	.7	.3	.1	.1	.0	.9	.8	.6	.8	
280.	*	.0	.0	.0	.2	.3	.2	.6	.2	.1	.0	.0	.8	.7	.6	.7	
285.	*	.0	.0	.0	.4	.5	.5	.2	.3	.2	.0	.0	.5	.5	.5	.6	
290.	*	.1	.0	.0	.7	.5	.5	.4	.2	.1	.0	.0	.4	.4	.3	.4	
295.	*	.1	.1	.0	.7	.8	.7	.6	.2	.0	.0	.0	.2	.2	.2	.2	
300.	*	.2	.1	.0	.9	.9	.8	.6	.0	.0	.0	.0	.2	.2	.0	.2	
305.	*	.3	.1	.0	.9	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.3	.2	.1	.9	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.4	.3	.1	1.0	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.4	.3	.1	1.0	1.0	1.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.5	.3	.1	1.0	1.0	1.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.4	.3	.1	.9	1.0	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.4	.3	.2	.8	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.5	.4	.3	.7	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.5	.4	.3	.7	.7	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.5	.3	.2	.7	.7	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.5	.3	.3	.7	.7	.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	
360.	*	.6	.3	.3	.7	.7	.8	.5	.0	.0	.0	.1	.0	.0	.0	.0	
MAX	*	1.1	1.0	1.0	1.0	1.1	1.0	1.0	.9	1.0	.7	.7	.6	1.1	1.2	1.1	1.2
DEGR.	*	65	40	35	315	50	30	90	265	125	125	150	140	265	140	140	125

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 305 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 320 DEGREES FROM REC3 .  
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 320 DEGREES FROM REC4 .

S12 410&201 HLRT 2015AM			60.0321.0.0000.000360.30480000	1	1
SE COR	335164.	471081.	5.0		
SE 82S	335147.	471029.	5.0		
SE 164S	335148.	470946.	5.0		
SE 256S	335148.	470862.	5.0		
SE MIDS	335145.	470710.	5.0		
SE 82E	335216.	471067.	5.0		
SE 164E	335302.	471046.	5.0		
SE 256E	335384.	471027.	5.0		
SE MIDE	335669.	470972.	5.0		
NE COR	335193.	471253.	5.0		
NE 82N	335187.	471316.	5.0		
NE 164N	335204.	471401.	5.0		
NE 256N	335207.	471489.	5.0		
NE MIDN	335262.	471780.	5.0		
NE 82E	335243.	471223.	5.0		
NE 164E	335325.	471200.	5.0		
NE 256E	335407.	471180.	5.0		
NE MIDE	335678.	471126.	5.0		
SW COR	335023.	471122.	5.0		
SW 82S	335048.	471070.	5.0		
SW 164S	335049.	470999.	5.0		
SW 256S	335048.	470923.	5.0		
SW MIDS	335042.	470711.	5.0		
SW 82W	334975.	471140.	5.0		
SW 164W	334890.	471168.	5.0		
SW 256W	334818.	471192.	5.0		
SW MIDW	334609.	471258.	5.0		
NW COR	335028.	471298.	5.0		
NW 82N	335060.	471344.	5.0		
NW 164N	335077.	471429.	5.0		
NW 256N	335092.	471505.	5.0		
NW MIDN	335149.	471783.	5.0		
NW 82W	334970.	471290.	5.0		
NW 164W	334887.	471314.	5.0		
NW 256W	334809.	471339.	5.0		
NW MIDW	334620.	471379.	5.0		
S12 410&201 HLRT 2015AM		41	1	0	
1					
NBL	MD201	AG335103.471187.335103.470844.	355	3.5	0. 44 30
2					
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2
150	130	2.0 355 37.8 1717 1 3			
1					
NBT&R	MD201	AG335127.471184.335127.470844.	825	3.5	0. 44 30
2					
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2
150	91	2.0 825 37.8 1770 1 3			
1					
NBR	MD201	AG335215.471131.335128.471086.	35	3.5	0. 32 30
1					
NBALL	MD201	AG335117.470845.335128.470197.	1180	3.5	0. 56 30
1					
NBDP	MD201	AG335351.472166.335281.471962.	1580	3.5	0. 44 30
1					
NBDP	MD201	AG335281.471962.335220.471692.	1580	3.5	0. 44 30
1					
NBDP	MD201	AG335220.471692.335134.471213.	1580	3.5	0. 44 30
1					
SBL	MD201	AG335116.471204.335153.471436.	110	3.7	0. 32 23
2					
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1
150	129	2.0 110 37.8 1770 1 3			
1					
SBT	MD201	AG335099.471207.335138.471435.	1595	3.7	0. 44 23
2					
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2
150	90	2.0 1595 37.8 1770 1 3			
1					
SBR	MD201	AG335081.471226.335119.471436.	295	3.7	0. 32 23
2					
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1
150	11	2.0 295 37.8 1583 1 3			
1					
SBALL	MD201	AG335136.471437.335203.471800.	2000	3.7	0. 44 23
1					
SBALL	MD201	AG335203.471800.335240.471959.	2000	3.7	0. 44 23
1					
SBALL	MD201	AG335240.471959.335319.472174.	2000	3.7	0. 44 23
1					
SBDP	MD201	AG335061.470196.335076.471195.	1960	3.7	0. 44 23
1					
SBR	MD201	AG334996.471263.335099.471319.	295	3.6	0. 32 24
1					
EBL	MD410	AG335119.471188.334753.471292.	305	3.5	0. 44 40
2					
EBL	MD410	AG335012.471218.334892.471252.	0.	24	2
150	128	2.0 305 37.8 1717 1 3			
1					
EBT&R	MD410	AG335119.471163.334749.471264.	1160	3.5	0. 56 40
2					
EBT&R	MD410	AG335011.471192.334833.471241.	0.	36	3
150	87	2.0 1160 37.8 1707 1 3			
1					
EBDP	MD410	AG336090.471018.335726.471037.	985	3.5	0. 56 40

1									
EBDP	MD410	AG335726.471037.335543.471060.	985	3.5	0.	56	40		
1									
EBDP	MD410	AG335543.471060.335123.471161.	985	3.5	0.	56	40		
1									
WBL	MD410	AG335121.471191.335396.471121.	45	3.8	0.	32	34		
2									
WBL	MD410	AG335175.471177.335304.471145.	0.	12	1				
150		139 2.0 45 37.8 1770 1 3							
1									
WBL	MD410	AG335396.471121.335543.471097.	45	3.8	0.	32	34		
1									
WBT	MD410	AG335110.471215.335399.471140.	1475	3.8	0.	44	34		
2									
WBT	MD410	AG335163.471202.335367.471148.	0.	24	2				
150		98 2.0 1475 37.8 1770 1 3							
1									
WBT	MD410	AG335399.471140.335546.471114.	1475	3.8	0.	44	34		
1									
WBR	MD410	AG335149.471281.335193.471223.	485	3.8	0.	32	34		
1									
WBR	MD410	AG335192.471223.335238.471201.	485	3.8	0.	32	34		
1									
WBR	MD410	AG335238.471201.335553.471128.	485	3.8	0.	32	34		
1									
WBALL	MD410	AG335547.471114.335816.471081.	2005	3.8	0.	56	34		
1									
WBALL	MD410	AG335816.471081.336099.471068.	2005	3.8	0.	56	34		
1									
WBDP	MD410	AG334145.471469.335112.471222.	2125	3.8	0.	44	34		
1									
WBR	MD410	AG335072.471121.335017.471187.	485	3.8	0.	32	34		
1									
WBALL	MD410	AG334747.471268.334134.471442.	2005	3.8	0.	44	34		
1.0	04	1000	0Y	5	0	72			

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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
-----														
1. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	355.	3.5	.0	44.0	
2. NBL	MD201	*	335103.0	471079.0	335103.0	470901.3	*	178.	180. AG	176.	100.0	.0	24.0	.97 9.0
3. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	825.	3.5	.0	44.0	
4. NBT&R	MD201	*	335127.0	471081.0	335127.0	470876.0	*	205.	180. AG	123.	100.0	.0	24.0	.63 10.4
5. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	35.	3.5	.0	32.0	
6. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1180.	3.5	.0	56.0	
7. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	1580.	3.5	.0	44.0	
8. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	1580.	3.5	.0	44.0	
9. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	1580.	3.5	.0	44.0	
10. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	110.	3.7	.0	32.0	
11. SBL	MD201	*	335124.0	471252.0	335136.0	471328.6	*	78.	9. AG	87.	100.0	.0	12.0	.55 3.9
12. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1595.	3.7	.0	44.0	
13. SBT	MD201	*	335110.0	471271.0	335423.0	473135.8	*	1891.	10. AG	122.	100.0	.0	24.0	1.21 96.1
14. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	295.	3.7	.0	32.0	
15. SBR	MD201	*	335092.0	471287.0	335095.2	471304.4	*	18.	11. AG	7.	100.0	.0	12.0	.21 .9
16. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2000.	3.7	.0	44.0	
17. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2000.	3.7	.0	44.0	
18. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2000.	3.7	.0	44.0	
19. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1960.	3.7	.0	44.0	
20. SBR	MD201	*	334996.0	471263.0	335099.0	471319.0	*	117.	61. AG	295.	3.6	.0	32.0	
21. EBL	MD410	*	335119.0	471188.0	334753.0	471292.0	*	380.	286. AG	305.	3.5	.0	44.0	
22. EBL	MD410	*	335012.0	471218.0	334903.3	471248.8	*	113.	286. AG	173.	100.0	.0	24.0	.74 5.7
23. EBT&R	MD410	*	335119.0	471163.0	334749.0	471264.0	*	384.	285. AG	1160.	3.5	.0	56.0	
24. EBT&R	MD410	*	335011.0	471192.0	334834.0	471240.8	*	184.	285. AG	176.	100.0	.0	36.0	.58 9.3
25. EBDP	MD410	*	336090.0	471018.0	335726.0	471037.0	*	364.	273. AG	985.	3.5	.0	56.0	
26. EBDP	MD410	*	335726.0	471037.0	335543.0	471060.0	*	184.	277. AG	985.	3.5	.0	56.0	
27. EBDP	MD410	*	335543.0	471060.0	335123.0	471161.0	*	432.	284. AG	985.	3.5	.0	56.0	
28. WBL	MD410	*	335121.0	471191.0	335396.0	471121.0	*	284.	104. AG	45.	3.8	.0	32.0	
29. WBL	MD410	*	335175.0	471177.0	335209.2	471168.5	*	35.	104. AG	94.	100.0	.0	12.0	.55 1.8
30. WBL	MD410	*	335396.0	471121.0	335543.0	471097.0	*	149.	99. AG	45.	3.8	.0	32.0	
31. WBT	MD410	*	335110.0	471215.0	335399.0	471140.0	*	299.	105. AG	1475.	3.8	.0	44.0	
32. WBT	MD410	*	335163.0	471202.0	337316.8	470631.5	*	2228.	105. AG	132.	100.0	.0	24.0	1.30 113.2
33. WBT	MD410	*	335399.0	471140.0	335546.0	471114.0	*	149.	100. AG	1475.	3.8	.0	44.0	
34. WBR	MD410	*	335149.0	471281.0	335193.0	471223.0	*	73.	143. AG	485.	3.8	.0	32.0	
35. WBR	MD410	*	335192.0	471223.0	335238.0	471201.0	*	51.	116. AG	485.	3.8	.0	32.0	
36. WBR	MD410	*	335238.0	471201.0	335553.0	471128.0	*	323.	103. AG	485.	3.8	.0	32.0	
37. WBALL	MD410	*	335547.0	471114.0	335816.0	471081.0	*	271.	97. AG	2005.	3.8	.0	56.0	
38. WBALL	MD410	*	335816.0	471081.0	336099.0	471068.0	*	283.	93. AG	2005.	3.8	.0	56.0	
39. WBDP	MD410	*	334145.0	471469.0	335112.0	471222.0	*	998.	104. AG	2125.	3.8	.0	44.0	
40. WBR	MD410	*	335072.0	471121.0	335017.0	471187.0	*	86.	320. AG	485.	3.8	.0	32.0	
41. WBALL	MD410	*	334747.0	471268.0	334134.0	471442.0	*	637.	286. AG	2005.	3.8	.0	44.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
-----										
2. NBL	MD201	*	150	130	2.0	355	1717	37.80	1	3
4. NBT&R	MD201	*	150	91	2.0	825	1770	37.80	1	3
11. SBL	MD201	*	150	129	2.0	110	1770	37.80	1	3
13. SBT	MD201	*	150	90	2.0	1595	1770	37.80	1	3
15. SBR	MD201	*	150	11	2.0	295	1583	37.80	1	3
22. EBL	MD410	*	150	128	2.0	305	1717	37.80	1	3
24. EBT&R	MD410	*	150	87	2.0	1160	1707	37.80	1	3
29. WBL	MD410	*	150	139	2.0	45	1770	37.80	1	3
32. WBT	MD410	*	150	98	2.0	1475	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
-----						
1. SE COR		*	335164.0	471081.0	5.0	*
2. SE 82S		*	335147.0	471029.0	5.0	*
3. SE 164S		*	335148.0	470946.0	5.0	*
4. SE 256S		*	335148.0	470862.0	5.0	*
5. SE MIDS		*	335145.0	470710.0	5.0	*
6. SE 82E		*	335216.0	471067.0	5.0	*
7. SE 164E		*	335302.0	471046.0	5.0	*
8. SE 256E		*	335384.0	471027.0	5.0	*
9. SE MIDE		*	335669.0	470972.0	5.0	*
10. NE COR		*	335193.0	471253.0	5.0	*
11. NE 82N		*	335187.0	471316.0	5.0	*
12. NE 164N		*	335204.0	471401.0	5.0	*

13. NE 256N	*	335207.0	471489.0	5.0	*
14. NE MIDN	*	335262.0	471780.0	5.0	*
15. NE 82E	*	335243.0	471223.0	5.0	*
16. NE 164E	*	335325.0	471200.0	5.0	*
17. NE 256E	*	335407.0	471180.0	5.0	*
18. NE MIDE	*	335678.0	471126.0	5.0	*
19. SW COR	*	335023.0	471122.0	5.0	*
20. SW 82S	*	335048.0	471070.0	5.0	*
21. SW 164S	*	335049.0	470999.0	5.0	*
22. SW 256S	*	335048.0	470923.0	5.0	*
23. SW MIDS	*	335042.0	470711.0	5.0	*
24. SW 82W	*	334975.0	471140.0	5.0	*
25. SW 164W	*	334890.0	471168.0	5.0	*
26. SW 256W	*	334818.0	471192.0	5.0	*
27. SW MIDW	*	334609.0	471258.0	5.0	*
28. NW COR	*	335028.0	471298.0	5.0	*
29. NW 82N	*	335060.0	471344.0	5.0	*
30. NW 164N	*	335077.0	471429.0	5.0	*
31. NW 256N	*	335092.0	471505.0	5.0	*
32. NW MIDN	*	335149.0	471783.0	5.0	*
33. NW 82W	*	334970.0	471290.0	5.0	*
34. NW 164W	*	334887.0	471314.0	5.0	*
35. NW 256W	*	334809.0	471339.0	5.0	*
36. NW MIDW	*	334620.0	471379.0	5.0	*

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.6	.5	.5	.6	.5	.5	.4	.3	.4	.4	.5	.5	.6	.7	.1	.1	.1	.0	.5	.5
5.	*	.6	.5	.4	.5	.4	.4	.4	.2	.4	.4	.5	.4	.5	.5	.1	.1	.0	.0	.5	.6
10.	*	.5	.5	.4	.3	.3	.4	.3	.2	.4	.2	.4	.4	.5	.5	.1	.0	.0	.0	.4	.8
15.	*	.4	.4	.4	.4	.1	.3	.3	.2	.4	.1	.2	.2	.3	.3	.0	.0	.0	.0	.5	.9
20.	*	.3	.3	.1	.2	.0	.3	.3	.3	.4	.0	.2	.1	.2	.2	.0	.0	.0	.0	.6	.7
25.	*	.3	.2	.1	.1	.1	.3	.3	.3	.4	.0	.0	.0	.1	.1	.0	.0	.0	.0	.7	.6
30.	*	.3	.2	.1	.1	.1	.3	.3	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.6	.5
35.	*	.3	.2	.1	.1	.1	.3	.3	.3	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.6	.3
40.	*	.3	.2	.1	.1	.1	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5
45.	*	.3	.2	.1	.1	.1	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
50.	*	.3	.2	.1	.1	.1	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5
55.	*	.3	.1	.1	.1	.1	.3	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
60.	*	.4	.1	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
65.	*	.4	.1	.1	.1	.1	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
70.	*	.4	.1	.1	.1	.1	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
75.	*	.3	.1	.1	.1	.1	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.6
80.	*	.3	.1	.1	.1	.1	.3	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.6
85.	*	.3	.1	.1	.1	.1	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7
90.	*	.3	.1	.1	.1	.0	.3	.2	.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	.3	.5	.6
95.	*	.2	.1	.1	.1	.0	.2	.2	.2	.2	.1	.0	.0	.0	.0	.1	.1	.2	.4	.5	.6
100.	*	.1	.1	.1	.0	.0	.1	.1	.1	.2	.2	.1	.0	.0	.0	.2	.4	.4	.4	.4	.7
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.5	.6	.6	.6	.3	.7
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.4	.2	.1	.1	.0	.5	.7	.6	.8	.5	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.8	.7	.8	.4	.7
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.7	.7	.7	.4	.7
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.7	.7	.6	.7	.5	.7
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.1	.8	.8	.7	.7	.5	.8
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.1	.7	.6	.6	.7	.5	.9
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.1	.7	.6	.6	.6	.5	.8
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.1	.7	.6	.7	.5	.5	.8
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.7	.6	.6	.5	.5	.7
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.7	.6	.4	.5	.7
160.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.6	.4	.5	.6
165.	*	.0	.2	.0	.1	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.6	.4	.4	.7
170.	*	.0	.2	.3	.1	.1	.0	.0	.0	.0	.4	.2	.1	.2	.0	.5	.6	.6	.5	.3	.5
175.	*	.1	.3	.3	.1	.2	.0	.0	.0	.0	.3	.2	.1	.2	.1	.5	.6	.6	.5	.3	.5
180.	*	.2	.7	.4	.2	.3	.0	.0	.0	.0	.6	.3	.1	.2	.2	.5	.6	.6	.5	.1	.4
185.	*	.5	.7	.5	.3	.3	.0	.0	.0	.0	.7	.5	.3	.3	.3	.5	.6	.7	.6	.1	.2
190.	*	.5	.8	.5	.3	.3	.1	.0	.0	.0	.7	.6	.4	.4	.4	.6	.6	.7	.6	.1	.2
195.	*	.7	.9	.6	.3	.3	.2	.0	.0	.0	.7	.6	.3	.5	.5	.8	.6	.7	.5	.0	.1
200.	*	.7	1.0	.6	.3	.3	.2	.0	.0	.0	.8	.5	.3	.6	.6	.8	.6	.6	.5	.0	.1
205.	*	.7	1.1	.7	.2	.3	.3	.1	.0	.0	.7	.4	.5	.5	.6	.8	.7	.6	.5	.0	.0

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JOB: S12 410&amp;201 HLRT 2015AM

RUN: S12 410&amp;201 HLRT 2015AM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.8	1.1	.7	.2	.3	.3	.1	.0	.0	.6	.2	.6	.6	.7	.8	.7	.6	.5	.0	.0
215.	*	.8	1.0	.7	.3	.3	.3	.1	.0	.0	.5	.4	.6	.7	.9	.7	.6	.5	.0	.0	
220.	*	.8	1.1	.8	.3	.3	.3	.1	.0	.0	.4	.6	.7	.8	.6	1.0	.9	.6	.5	.0	.0

225.	*	.8	1.0	.8	.3	.3	.5	.2	.0	.0	.3	.5	.6	.8	.6	.9	.9	.6	.6	.0	.0
230.	*	.8	1.0	.8	.3	.2	.5	.3	.0	.0	.4	.7	.8	.8	.6	.8	1.0	.7	.6	.0	.0
235.	*	.8	.9	.9	.3	.2	.5	.3	.0	.0	.4	.8	.8	.8	.6	.8	1.0	.9	.5	.0	.0
240.	*	.8	.9	.9	.3	.2	.5	.3	.0	.0	.7	.8	.8	.6	.6	.9	.9	.5	.0	.0	
245.	*	.7	.9	.9	.3	.2	.5	.3	.1	.0	.7	.8	.7	.6	.5	.6	.8	.8	.5	.0	.0
250.	*	.6	.9	.9	.2	.2	.4	.3	.2	.0	.8	.8	.7	.6	.5	.5	.7	.7	.6	.0	.0
255.	*	.6	.9	.9	.2	.2	.4	.3	.2	.0	.7	.8	.6	.6	.5	.7	.6	.7	.6	.0	.0
260.	*	.6	.9	.9	.2	.2	.4	.3	.2	.0	.8	.9	.5	.6	.5	.6	.6	.7	.6	.0	.0
265.	*	.6	.9	.9	.2	.2	.3	.3	.2	.0	.8	.8	.5	.5	.5	.7	.7	.6	.7	.0	.0
270.	*	.4	.9	.9	.2	.2	.3	.3	.2	.0	.8	.7	.5	.5	.5	.6	.6	.8	.5	.0	.0
275.	*	.4	.9	.9	.2	.2	.3	.3	.2	.0	.9	.7	.5	.5	.5	.7	.6	.6	.5	.0	.0
280.	*	.4	.9	.9	.3	.2	.3	.3	.1	.0	.9	.7	.5	.5	.5	.7	.5	.5	.4	.0	.0
285.	*	.5	.9	.9	.3	.2	.5	.3	.1	.1	.6	.7	.5	.5	.6	.4	.3	.4	.2	.3	.0
290.	*	.5	.9	.9	.3	.2	.3	.2	.2	.1	.6	.5	.4	.5	.6	.4	.2	.3	.2	.3	.0
295.	*	.6	1.1	.9	.4	.2	.4	.2	.2	.2	.6	.5	.5	.5	.6	.4	.2	.0	.1	.4	.3
300.	*	.6	1.1	.9	.5	.2	.5	.2	.3	.2	.5	.5	.5	.5	.5	.3	.1	.1	.1	.5	.3
305.	*	.6	1.1	1.0	.5	.2	.5	.3	.3	.2	.5	.5	.5	.5	.5	.3	.1	.1	.0	.5	.2
310.	*	.6	1.3	1.1	.6	.2	.4	.2	.3	.3	.6	.5	.5	.5	.5	.3	.2	.1	.0	.6	.3
315.	*	.6	1.2	1.2	.8	.3	.1	.4	.3	.3	.5	.5	.5	.5	.5	.3	.2	.1	.0	.6	.5
320.	*	.5	1.2	1.2	1.0	.3	.2	.3	.4	.4	.5	.5	.5	.6	.5	.3	.2	.1	.0	.6	.5
325.	*	.4	1.1	1.1	1.0	.3	.2	.4	.4	.4	.4	.5	.5	.6	.5	.3	.2	.1	.0	.7	.5
330.	*	.2	.9	1.2	1.1	.3	.3	.4	.4	.4	.4	.5	.5	.6	.5	.2	.2	.1	.0	.7	.5
335.	*	.4	.7	1.2	1.0	.4	.6	.4	.4	.4	.4	.6	.5	.6	.5	.2	.1	.1	.0	.7	.5
340.	*	.3	.7	.8	.9	.5	.6	.4	.4	.4	.5	.6	.5	.6	.5	.3	.1	.1	.0	.6	.4
345.	*	.5	.6	.9	1.0	.5	.5	.4	.4	.4	.5	.5	.5	.8	.6	.3	.1	.1	.0	.5	.5
350.	*	.5	.5	.8	1.0	.5	.5	.4	.4	.4	.4	.5	.5	.7	.6	.3	.1	.1	.0	.5	.5
355.	*	.7	.6	.6	.9	.5	.5	.4	.4	.4	.4	.5	.5	.7	.7	.3	.1	.1	.0	.4	.5
360.	*	.6	.5	.5	.6	.5	.5	.4	.3	.4	.4	.5	.5	.6	.7	.1	.1	.1	.0	.5	.5
MAX		.8	1.3	1.2	1.1	.5	.6	.4	.4	.5	.9	.9	.8	.8	.7	1.0	1.0	.9	.8	.7	.9
DEGR.	*	210	310	315	330	0	335	0	55	55	275	260	230	220	0	220	230	235	110	25	15

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JOB: S12 410&amp;201 HLRT 2015AM

RUN: S12 410&amp;201 HLRT 2015AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.4	.4	.5	.7	.6	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.4	.5	.6	.8	.6	.3	.3	.1	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.5	.5	.6	.8	.7	.3	.3	.1	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
15.	*	.6	.6	.6	.8	.7	.5	.3	.3	.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0
20.	*	.6	.8	.5	.8	.8	.5	.3	.3	.4	.4	.5	.1	.1	.1	.0	.0	.0	.0	.0
25.	*	.5	.7	.5	.7	.8	.5	.3	.3	.5	.5	.4	.5	.2	.1	.1	.0	.0	.0	.0
30.	*	.5	.8	.5	.8	.8	.6	.3	.4	.5	.6	.5	.5	.2	.1	.1	.0	.0	.0	.0
35.	*	.7	.9	.5	.8	.8	.6	.4	.4	.5	.6	.6	.6	.2	.1	.1	.1	.1	.1	.1
40.	*	.7	1.0	.5	.6	.8	.6	.4	.5	.5	.5	.6	.2	.1	.1	.1	.1	.1	.1	.1
45.	*	.8	1.0	.5	.6	.8	.7	.4	.4	.5	.5	.6	.3	.2	.1	.1	.1	.1	.1	.1
50.	*	.8	.9	.5	.6	.8	.8	.4	.4	.4	.5	.5	.2	.2	.1	.1	.1	.1	.1	.1
55.	*	.8	.9	.4	.3	.8	.8	.4	.4	.4	.4	.5	.2	.1	.1	.1	.1	.1	.1	.1
60.	*	.7	.8	.4	.3	.8	.8	.4	.4	.4	.4	.5	.3	.1	.1	.1	.1	.1	.1	.1
65.	*	.8	.8	.4	.3	.6	.9	.3	.4	.4	.4	.5	.3	.1	.1	.1	.0	.0	.0	.0
70.	*	.8	.8	.4	.4	.6	.8	.3	.4	.4	.4	.5	.3	.1	.1	.1	.0	.0	.0	.0
75.	*	.8	.8	.4	.4	.7	.8	.3	.4	.4	.4	.5	.3	.1	.1	.1	.0	.0	.0	.0
80.	*	.8	.8	.4	.4	.6	.8	.4	.3	.4	.4	.5	.3	.1	.1	.1	.0	.0	.0	.0
85.	*	.8	.8	.4	.5	.4	.7	.3	.4	.4	.5	.4	.3	.1	.1	.0	.0	.0	.0	.0
90.	*	.8	.9	.3	.5	.3	.7	.5	.4	.4	.5	.4	.3	.2	.1	.1	.1	.1	.1	.1
95.	*	.8	.7	.3	.4	.5	.5	.5	.5	.4	.4	.5	.4	.3	.2	.2	.2	.2	.2	.2
100.	*	.8	.6	.3	.3	.3	.4	.5	.5	.5	.4	.5	.4	.2	.2	.2	.3	.3	.3	.3
105.	*	.7	.5	.3	.2	.2	.2	.3	.7	.6	.5	.5	.5	.4	.2	.4	.4	.4	.4	.4
110.	*	.7	.5	.3	.4	.3	.2	.2	.6	.7	.5	.6	.5	.6	.5	.4	.5	.5	.5	.5
115.	*	.7	.4	.3	.3	.2	.2	.0	.6	.7	.5	.5	.5	.4	.5	.5	.5	.5	.5	.5
120.	*	.7	.4	.3	.3	.3	.2	.0	.5	.7	.5	.5	.5	.5	.6	.6	.6	.6	.6	.6
125.	*	.7	.5	.3	.3	.3	.2	.0	.4	.8	.5	.5	.6	.4	.8	.7	.5	.5	.5	.5
130.	*	.8	.4	.4	.3	.3	.2	.0	.4	.8	.5	.5	.6	.4	.7	.7	.5	.5	.5	.5
135.	*	.7	.3	.4	.3	.3	.2	.0	.4	.6	.5	.5	.6	.6	.9	.7	.4	.4	.4	.4
140.	*	.7	.3	.4	.3	.2	.1	.0	.2	.6	.5	.5	.5	.6	1.0	.8	.4	.4	.4	.4
145.	*	.6	.4	.4	.3	.2	.1	.0	.3	.6	.5	.6	.7	.9	1.0	.7	.4	.4	.4	.4
150.	*	.6	.4	.4	.3	.1	.1	.0	.3	.4	.5	.6	.7	1.0	1.0	.6	.4	.4	.4	.4
155.	*	.6	.4	.4	.2	.1	.1	.0	.5	.3	.5	.6	.7	1.0	.9	.6	.4	.4	.4	.4
160.	*	.6	.5	.4	.2	.1	.0	.0	.6	.3	.4	.6	.6	1.1	.9	.6	.4	.4	.4	.4
165.	*	.6	.5	.5	.1	.1	.0	.0	.6	.5	.3	.4	.6	.9	.8	.4	.3	.3	.3	.3
170.	*	.6	.5	.4	.1	.0	.0	.0	.7	.5	.3	.4	.6	.9	.8	.4	.3	.3	.3	.3
175.	*	.5	.5	.3	.1	.0	.0	.0	.6	.4	.4	.6	.9	.7	.4	.3	.3	.3	.3	.3
180.	*	.3	.3	.3	.1	.0	.0	.0	.7	.3	.5	.3	.4	.9	.7	.3	.3	.3	.3	.3
185.	*	.3	.3	.2	.0	.0	.0	.0	.6	.3	.2	.3	.4	.9	.6	.3	.3	.3	.3	.3
190.	*	.2	.2	.2	.0	.0	.0	.0	.6	.3	.2	.2	.3	.9	.5	.3	.3	.3	.3	.3
195.	*	.1	.1	.1	.0	.0	.0	.0	.5	.4	.3	.2	.2	.9	.5	.3	.3	.3	.3	.3
200.	*	.1	.1	.1	.0	.0	.0	.0	.7	.3	.3	.2	.1	.9	.5	.3	.3	.3	.3	.3
205.	*	.1	.1	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.9	.5	.3	.3	.3	.3	.3

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JOB: S12 410&amp;201 HLRT 2015AM

RUN: S12 410&amp;201 HLRT 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.9	.5	.2	.3
215.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.9	.4	.2	.3
220.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.0	.8	.4	.3	.3
225.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.0	.7	.4	.3	.3
230.	*	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.8	.4	.3	.4
235.	*	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.8	.4	.3	.4
240.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.7	.4	.3	.4
245.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.7	.4	.4	.4
250.	*	.0	.0	.0	.0	.0	.0	.6	.2	.1	.1	.0	.7	.4	.4	.5
255.	*	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.4	.4	.5
260.	*	.0	.0	.0	.0	.0	.0	.4	.2	.2	.1	.0	.6	.4	.4	.5
265.	*	.0	.0	.0	.0	.0	.0	.4	.2	.1	.0	.0	.6	.4	.4	.6
270.	*	.0	.0	.0	.0	.0	.0	.3	.2	.1	.0	.0	.5	.4	.4	.4
275.	*	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.4	.4	.4	.4
280.	*	.0	.0	.0	.0	.1	.1	.3	.1	.0	.0	.0	.4	.4	.3	.4
285.	*	.0	.0	.0	.2	.2	.2	.1	.1	.0	.0	.0	.4	.3	.3	.3
290.	*	.0	.0	.0	.3	.2	.2	.3	.1	.0	.0	.0	.2	.2	.1	.2
295.	*	.0	.0	.0	.4	.2	.3	.3	.1	.0	.0	.0	.1	.1	.1	.1
300.	*	.1	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.1	.1	.0	.1
305.	*	.1	.0	.0	.5	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.2	.1	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.2	.1	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.2	.1	.0	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.2	.2	.0	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.3	.2	.0	.6	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.3	.2	.0	.7	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.4	.3	.1	.7	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.3	.1	.7	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.4	.3	.1	.7	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.5	.3	.2	.7	.5	.2	.3	.0	.0	.0	.1	.0	.0	.0	.0
360.	*	.4	.4	.5	.7	.6	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0
MAX	*	.8	1.0	.6	.8	.8	.9	.5	.7	.8	.6	.6	.7	1.1	1.0	.6
DEGR.	*	45	40	5	5	20	65	90	105	125	30	35	145	160	140	120

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 310 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 315 DEGREES FROM REC3 .  
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 330 DEGREES FROM REC4 .

S12 410&201 HLRT 2015PM			60.0321.0.0000.000360.30480000	1	1
SE COR	335164.	471081.	5.0		
SE 82S	335147.	471029.	5.0		
SE 164S	335148.	470946.	5.0		
SE 256S	335148.	470862.	5.0		
SE MIDS	335145.	470710.	5.0		
SE 82E	335216.	471067.	5.0		
SE 164E	335302.	471046.	5.0		
SE 256E	335384.	471027.	5.0		
SE MIDE	335669.	470972.	5.0		
NE COR	335193.	471253.	5.0		
NE 82N	335187.	471316.	5.0		
NE 164N	335204.	471401.	5.0		
NE 256N	335207.	471489.	5.0		
NE MIDN	335262.	471780.	5.0		
NE 82E	335243.	471223.	5.0		
NE 164E	335325.	471200.	5.0		
NE 256E	335407.	471180.	5.0		
NE MIDE	335678.	471126.	5.0		
SW COR	335023.	471122.	5.0		
SW 82S	335048.	471070.	5.0		
SW 164S	335049.	470999.	5.0		
SW 256S	335048.	470923.	5.0		
SW MIDS	335042.	470711.	5.0		
SW 82W	334975.	471140.	5.0		
SW 164W	334890.	471168.	5.0		
SW 256W	334818.	471192.	5.0		
SW MIDW	334609.	471258.	5.0		
NW COR	335028.	471298.	5.0		
NW 82N	335060.	471344.	5.0		
NW 164N	335077.	471429.	5.0		
NW 256N	335092.	471505.	5.0		
NW MIDN	335149.	471783.	5.0		
NW 82W	334970.	471290.	5.0		
NW 164W	334887.	471314.	5.0		
NW 256W	334809.	471339.	5.0		
NW MIDW	334620.	471379.	5.0		
S12 410&201 HLRT 2015PM		41	1	0	
1					
NBL	MD201	AG335103.471187.335103.470844.	400	3.5	0. 44 30
2					
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2
150	130	2.0 400 37.8 1717 1 3			
1					
NBT&R	MD201	AG335127.471184.335127.470844.	1200	3.5	0. 44 30
2					
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2
150	91	2.0 1200 37.8 1770 1 3			
1					
NBR	MD201	AG335215.471131.335128.471086.	50	3.5	0. 32 30
1					
NBALL	MD201	AG335117.470845.335128.470197.	1600	3.5	0. 56 30
1					
NBDP	MD201	AG335351.472166.335281.471962.	2000	3.5	0. 44 30
1					
NBDP	MD201	AG335281.471962.335220.471692.	2000	3.5	0. 44 30
1					
NBDP	MD201	AG335220.471692.335134.471213.	2000	3.5	0. 44 30
1					
SBL	MD201	AG335116.471204.335153.471436.	365	3.7	0. 32 23
2					
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1
150	129	2.0 365 37.8 1770 1 3			
1					
SBT	MD201	AG335099.471207.335138.471435.	1260	3.7	0. 44 23
2					
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2
150	90	2.0 1260 37.8 1770 1 3			
1					
SBR	MD201	AG335081.471226.335119.471436.	165	3.7	0. 32 23
2					
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1
150	11	2.0 165 37.8 1583 1 3			
1					
SBALL	MD201	AG335136.471437.335203.471800.	1790	3.7	0. 44 23
1					
SBALL	MD201	AG335203.471800.335240.471959.	1790	3.7	0. 44 23
1					
SBALL	MD201	AG335240.471959.335319.472174.	1790	3.7	0. 44 23
1					
SBDP	MD201	AG335061.470196.335076.471195.	1830	3.7	0. 44 23
1					
SBR	MD201	AG334996.471263.335099.471319.	165	3.6	0. 32 24
1					
EBL	MD410	AG335119.471188.334753.471292.	585	3.5	0. 44 40
2					
EBL	MD410	AG335012.471218.334892.471252.	0.	24	2
150	128	2.0 585 37.8 1717 1 3			
1					
EBT&R	MD410	AG335119.471163.334749.471264.	1840	3.5	0. 56 40
2					
EBT&R	MD410	AG335011.471192.334833.471241.	0.	36	3
150	87	2.0 1840 37.8 1707 1 3			
1					
EBDP	MD410	AG336090.471018.335726.471037.	1820	3.5	0. 56 40

EBDP 1	MD410	AG335726.471037.335543.471060.	1820	3.5	0.	56	40
EBDP 1	MD410	AG335543.471060.335123.471161.	1820	3.5	0.	56	40
WBL 2	MD410	AG335121.471191.335396.471121.	135	3.8	0.	32	34
WBL 1	MD410	AG335175.471177.335304.471145.	0.	12	1		
WBL 1	MD410	AG335396.471121.335543.471097.	135	3.8	0.	32	34
WBT 2	MD410	AG335110.471215.335399.471140.	1435	3.8	0.	44	34
WBT 1	MD410	AG335163.471202.335367.471148.	0.	24	2		
WBT 1	MD410	AG335399.471140.335546.471114.	1435	3.8	0.	44	34
WBR 1	MD410	AG335149.471281.335193.471223.	265	3.8	0.	32	34
WBR 1	MD410	AG335192.471223.335238.471201.	265	3.8	0.	32	34
WBR 1	MD410	AG335238.471201.335553.471128.	265	3.8	0.	32	34
WBALL 1	MD410	AG335547.471114.335816.471081.	1835	3.8	0.	56	34
WBALL 1	MD410	AG335816.471081.336099.471068.	1835	3.8	0.	56	34
WBDDP 1	MD410	AG334145.471469.335112.471222.	2000	3.8	0.	44	34
WBR 1	MD410	AG335072.471121.335017.471187.	265	3.8	0.	32	34
WBALL 1.0	MD410	AG334747.471268.334134.471442.	1835	3.8	0.	44	34
04	1000	0Y 5 0 72					

JOB: S12 410&201 HLRT 2015PM  
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RUN: S12 410&201 HLRT 2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	400.	3.5	.0	44.0		
2. NBL	MD201	*	335103.0	471079.0	335103.0	470697.6	*	381.	180. AG	176.	100.0	.0	24.0	1.09	19.4
3. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	1200.	3.5	.0	44.0		
4. NBT&R	MD201	*	335127.0	471081.0	335127.0	470732.2	*	349.	180. AG	123.	100.0	.0	24.0	.92	17.7
5. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	50.	3.5	.0	32.0		
6. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1600.	3.5	.0	56.0		
7. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	2000.	3.5	.0	44.0		
8. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	2000.	3.5	.0	44.0		
9. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	2000.	3.5	.0	44.0		
10. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	365.	3.7	.0	32.0		
11. SBL	MD201	*	335124.0	471252.0	335434.3	473234.8	*	2007.	9. AG	87.	100.0	.0	12.0	1.83	102.0
12. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1260.	3.7	.0	44.0		
13. SBT	MD201	*	335110.0	471271.0	335173.5	471649.4	*	384.	10. AG	122.	100.0	.0	24.0	.95	19.5
14. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	165.	3.7	.0	32.0		
15. SBR	MD201	*	335092.0	471287.0	335093.8	471296.8	*	10.	11. AG	7.	100.0	.0	12.0	.12	.5
16. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	1790.	3.7	.0	44.0		
17. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	1790.	3.7	.0	44.0		
18. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	1790.	3.7	.0	44.0		
19. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1830.	3.7	.0	44.0		
20. SBR	MD201	*	334996.0	471263.0	335099.0	471319.0	*	117.	61. AG	165.	3.6	.0	32.0		
21. EBL	MD410	*	335119.0	471188.0	334753.0	471292.0	*	380.	286. AG	585.	3.5	.0	44.0		
22. EBL	MD410	*	335012.0	471218.0	333905.8	471531.3	*	1150.	286. AG	173.	100.0	.0	24.0	1.42	58.4
23. EBT&R	MD410	*	335119.0	471163.0	334749.0	471264.0	*	384.	285. AG	1840.	3.5	.0	56.0		
24. EBT&R	MD410	*	335011.0	471192.0	334688.4	471280.9	*	335.	285. AG	176.	100.0	.0	36.0	.91	17.0
25. EBDP	MD410	*	336090.0	471018.0	335726.0	471037.0	*	364.	273. AG	1820.	3.5	.0	56.0		
26. EBDP	MD410	*	335726.0	471037.0	335543.0	471060.0	*	184.	277. AG	1820.	3.5	.0	56.0		
27. EBDP	MD410	*	335543.0	471060.0	335123.0	471161.0	*	432.	284. AG	1820.	3.5	.0	56.0		
28. WBL	MD410	*	335121.0	471191.0	335396.0	471121.0	*	284.	104. AG	135.	3.8	.0	32.0		
29. WBL	MD410	*	335175.0	471177.0	335851.5	471009.3	*	697.	104. AG	94.	100.0	.0	12.0	1.65	35.4
30. WBL	MD410	*	335396.0	471121.0	335543.0	471097.0	*	149.	99. AG	135.	3.8	.0	32.0		
31. WBT	MD410	*	335110.0	471215.0	335399.0	471140.0	*	299.	105. AG	1435.	3.8	.0	44.0		
32. WBT	MD410	*	335163.0	471202.0	337112.2	470685.7	*	2016.	105. AG	132.	100.0	.0	24.0	1.27	102.4
33. WBT	MD410	*	335399.0	471140.0	335546.0	471114.0	*	149.	100. AG	1435.	3.8	.0	44.0		
34. WBR	MD410	*	335149.0	471281.0	335193.0	471223.0	*	73.	143. AG	265.	3.8	.0	32.0		
35. WBR	MD410	*	335192.0	471223.0	335238.0	471201.0	*	51.	116. AG	265.	3.8	.0	32.0		
36. WBR	MD410	*	335238.0	471201.0	335553.0	471128.0	*	323.	103. AG	265.	3.8	.0	32.0		
37. WBALL	MD410	*	335547.0	471114.0	335816.0	471081.0	*	271.	97. AG	1835.	3.8	.0	56.0		
38. WBALL	MD410	*	335816.0	471081.0	336099.0	471068.0	*	283.	93. AG	1835.	3.8	.0	56.0		
39. WBDP	MD410	*	334145.0	471469.0	335112.0	471222.0	*	998.	104. AG	2000.	3.8	.0	44.0		
40. WBR	MD410	*	335072.0	471121.0	335017.0	471187.0	*	86.	320. AG	265.	3.8	.0	32.0		
41. WBALL	MD410	*	334747.0	471268.0	334134.0	471442.0	*	637.	286. AG	1835.	3.8	.0	44.0		

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. NBL	MD201	*	150	130	2.0	400	1717	37.80	1	3
4. NBT&R	MD201	*	150	91	2.0	1200	1770	37.80	1	3
11. SBL	MD201	*	150	129	2.0	365	1770	37.80	1	3
13. SBT	MD201	*	150	90	2.0	1260	1770	37.80	1	3
15. SBR	MD201	*	150	11	2.0	165	1583	37.80	1	3
22. EBL	MD410	*	150	128	2.0	585	1717	37.80	1	3
24. EBT&R	MD410	*	150	87	2.0	1840	1707	37.80	1	3
29. WBL	MD410	*	150	139	2.0	135	1770	37.80	1	3
32. WBT	MD410	*	150	98	2.0	1435	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	335164.0	471081.0	5.0	*
2. SE 82S		*	335147.0	471029.0	5.0	*
3. SE 164S		*	335148.0	470946.0	5.0	*
4. SE 256S		*	335148.0	470862.0	5.0	*
5. SE MIDS		*	335145.0	470710.0	5.0	*
6. SE 82E		*	335216.0	471067.0	5.0	*
7. SE 164E		*	335302.0	471046.0	5.0	*
8. SE 256E		*	335384.0	471027.0	5.0	*
9. SE MIDE		*	335669.0	470972.0	5.0	*
10. NE COR		*	335193.0	471253.0	5.0	*
11. NE 82N		*	335187.0	471316.0	5.0	*
12. NE 164N		*	335204.0	471401.0	5.0	*

13. NE 256N	*	335207.0	471489.0	5.0	*
14. NE MIDN	*	335262.0	471780.0	5.0	*
15. NE 82E	*	335243.0	471223.0	5.0	*
16. NE 164E	*	335325.0	471200.0	5.0	*
17. NE 256E	*	335407.0	471180.0	5.0	*
18. NE MIDE	*	335678.0	471126.0	5.0	*
19. SW COR	*	335023.0	471122.0	5.0	*
20. SW 82S	*	335048.0	471070.0	5.0	*
21. SW 164S	*	335049.0	470999.0	5.0	*
22. SW 256S	*	335048.0	470923.0	5.0	*
23. SW MIDS	*	335042.0	470711.0	5.0	*
24. SW 82W	*	334975.0	471140.0	5.0	*
25. SW 164W	*	334890.0	471168.0	5.0	*
26. SW 256W	*	334818.0	471192.0	5.0	*
27. SW MIDW	*	334609.0	471258.0	5.0	*
28. NW COR	*	335028.0	471298.0	5.0	*
29. NW 82N	*	335060.0	471344.0	5.0	*
30. NW 164N	*	335077.0	471429.0	5.0	*
31. NW 256N	*	335092.0	471505.0	5.0	*
32. NW MIDN	*	335149.0	471783.0	5.0	*
33. NW 82W	*	334970.0	471290.0	5.0	*
34. NW 164W	*	334887.0	471314.0	5.0	*
35. NW 256W	*	334809.0	471339.0	5.0	*
36. NW MIDW	*	334620.0	471379.0	5.0	*

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JOB: S12 410&amp;201 HLRT 2015PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.6	.7	.8	.8	1.1	.7	.5	.3	.5	.5	.6	.6	.8	.7	.2	.1	.0	.0	.4	.5
5.	*	.6	.7	.6	.6	.7	.6	.4	.3	.5	.4	.5	.5	.7	.6	.1	.0	.0	.0	.6	.6
10.	*	.7	.6	.6	.3	.4	.5	.4	.3	.5	.2	.5	.2	.5	.6	.1	.0	.0	.0	.4	.7
15.	*	.6	.6	.5	.3	.2	.4	.4	.3	.5	.2	.2	.2	.4	.4	.0	.0	.0	.0	.5	.8
20.	*	.4	.4	.3	.3	.2	.4	.4	.4	.5	.0	.1	.1	.2	.2	.0	.0	.0	.0	.6	.8
25.	*	.4	.4	.2	.1	.1	.4	.4	.4	.5	.0	.0	.1	.1	.0	.0	.0	.0	.0	.7	.7
30.	*	.4	.4	.2	.1	.1	.4	.4	.4	.5	.0	.0	.0	.1	.1	.0	.0	.0	.0	.7	.7
35.	*	.4	.4	.2	.1	.1	.4	.4	.4	.5	.0	.0	.0	.1	.1	.0	.0	.0	.0	.7	.5
40.	*	.4	.4	.3	.1	.1	.4	.3	.4	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.7	.5
45.	*	.4	.4	.3	.1	.1	.4	.3	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6
50.	*	.4	.3	.3	.1	.1	.4	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6
55.	*	.4	.3	.3	.1	.1	.4	.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
60.	*	.5	.3	.3	.1	.1	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7
65.	*	.5	.3	.3	.1	.1	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8
70.	*	.5	.3	.2	.1	.1	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
75.	*	.4	.3	.2	.1	.1	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.8
80.	*	.4	.3	.1	.1	.1	.4	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	.8
85.	*	.4	.3	.1	.1	.1	.4	.4	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.7	.9
90.	*	.4	.2	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.1	.1	.1	.2	.6	.9
95.	*	.4	.1	.1	.1	.0	.4	.4	.3	.2	.1	.0	.0	.0	.0	.1	.1	.2	.4	.6	.9
100.	*	.3	.1	.1	.0	.0	.3	.1	.1	.2	.2	.1	.0	.0	.0	.3	.3	.3	.5	.5	.8
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.3	.1	.1	.0	.0	.5	.6	.6	.6	.5	.8
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.5	.1	.1	.1	.0	.5	.7	.6	.7	.5	.8
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.7	.7	.8	.4	.8
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.9	.8	.8	.5	.8
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.8	.8	.8	.6	.8
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.1	.7	.8	.7	.8	.6	.8
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.1	.1	.7	.6	.7	.8	.6	.8
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.1	.1	.7	.6	.7	.8	.6	.9
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.1	.1	.7	.6	.6	.6	.8	.9
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.2	.1	.1	.7	.6	.6	.7	.7	1.0
155.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.4	.2	.1	.0	.6	.6	.6	.6	.6	.9
160.	*	.0	.2	.1	.0	.1	.0	.0	.0	.0	.5	.4	.2	.1	.0	.6	.6	.6	.6	.5	.9
165.	*	.0	.2	.2	.2	.1	.0	.0	.0	.0	.5	.4	.1	.2	.0	.6	.6	.6	.6	.6	.8
170.	*	.1	.4	.4	.2	.2	.0	.0	.0	.0	.5	.4	.1	.2	.1	.6	.6	.6	.6	.6	.8
175.	*	.2	.6	.5	.5	.2	.0	.0	.0	.0	.6	.5	.1	.2	.2	.6	.6	.6	.6	.3	.7
180.	*	.6	.9	.7	.6	.3	.0	.0	.0	.0	.7	.5	.2	.4	.2	.6	.6	.6	.6	.2	.5
185.	*	.7	1.1	.9	.8	.4	.3	.0	.0	.0	.8	.6	.5	.4	.4	.8	.6	.7	.6	.1	.3
190.	*	.8	1.2	1.1	.9	.4	.4	.0	.0	.0	.9	.8	.5	.7	.6	.9	.6	.7	.6	.1	.3
195.	*	.9	1.3	1.2	1.0	.4	.4	.0	.0	.0	.9	.7	.4	.8	.6	.9	.6	.7	.6	.0	.1
200.	*	.8	1.2	1.3	1.1	.4	.4	.1	.0	.0	.9	.6	.4	.8	.6	.9	.7	.6	.6	.0	.1
205.	*	.8	1.2	1.3	1.1	.4	.5	.3	.0	.0	.7	.5	.6	.6	.7	.9	.9	.6	.6	.0	.0

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JOB: S12 410&amp;201 HLRT 2015PM

RUN: S12 410&amp;201 HLRT 2015PM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.8	1.2	1.2	1.2	.4	.6	.3	.0	.0	.7	.4	.6	.7	.7	1.0	.9	.7	.6	.0	.0
215.	*	.8	1.2	1.2	1.2	.3	.6	.3	.0	.0	.6	.3	.5	.8	.7	1.0	.9	.7	.6	.0	.0
220.	*	.8	1.2	1.1	1.1	.3	.6	.3	.1	.0	.3	.7	.7	.9	.8	1.0	.9	.8	.6	.0	.0

225.	*	.8	1.1	1.1	1.1	.3	.6	.3	.2	.0	.4	.6	.8	1.1	.7	1.0	.9	.8	.6	.0	.0
230.	*	.8	1.1	1.1	1.1	.3	.6	.3	.2	.0	.4	.8	.9	1.1	.6	.9	.9	.8	.6	.0	.0
235.	*	.8	1.1	1.0	1.0	.4	.6	.3	.2	.0	.4	.9	.9	1.0	.6	.7	1.0	.8	.7	.0	.0
240.	*	.8	.9	.9	1.0	.4	.6	.3	.2	.0	.6	.9	.9	1.0	.6	.6	.9	.9	.7	.0	.0
245.	*	.7	.9	.9	1.0	.4	.6	.3	.2	.0	.5	.9	.9	.9	.6	.6	.7	.8	.9	.0	.0
250.	*	.6	.9	.9	1.0	.5	.5	.3	.2	.0	.6	.9	.9	.9	.5	.6	.7	.7	1.0	.0	.0
255.	*	.6	.9	.9	.9	.5	.5	.3	.2	.1	.6	1.0	.9	.8	.4	.6	.7	.7	.8	.0	.0
260.	*	.6	.9	.9	.9	.5	.5	.3	.2	.1	.8	1.1	.9	.8	.4	.6	1.0	.7	.8	.0	.0
265.	*	.6	.9	.9	.9	.6	.4	.3	.2	.1	.9	1.0	.8	.7	.4	.6	1.0	.9	.8	.0	.0
270.	*	.4	.9	.9	.9	.6	.4	.3	.2	.1	1.0	1.0	.8	.7	.4	.8	.7	1.0	.8	.0	.0
275.	*	.4	.9	.9	.9	.6	.4	.3	.2	.0	1.1	1.0	.7	.7	.4	.8	.8	.7	.8	.0	.0
280.	*	.6	.9	.9	.9	.6	.6	.5	.3	.2	1.0	.8	.7	.6	.4	.8	.7	.6	.6	.2	.0
285.	*	.7	1.0	.9	.9	.6	.8	.3	.3	.3	.9	.8	.6	.6	.5	.5	.5	.5	.3	.2	.1
290.	*	.7	1.1	1.0	.9	.6	.7	.4	.4	.4	.7	.7	.6	.6	.5	.5	.4	.4	.3	.7	.2
295.	*	.8	1.3	1.0	1.0	.8	.7	.6	.4	.4	.7	.6	.6	.6	.4	.5	.4	.1	.1	.7	.5
300.	*	.8	1.4	1.1	1.0	.8	.7	.5	.5	.5	.5	.6	.6	.6	.4	.4	.2	.1	.1	.9	.7
305.	*	.8	1.6	1.3	1.1	.9	.7	.5	.5	.5	.5	.6	.6	.6	.4	.4	.2	.1	.0	.8	.6
310.	*	.6	1.5	1.3	1.3	.9	.6	.3	.4	.5	.6	.6	.6	.6	.4	.4	.3	.1	.0	.8	.6
315.	*	.6	1.3	1.4	1.3	1.0	.5	.3	.4	.4	.6	.6	.6	.6	.4	.4	.3	.1	.0	.9	.6
320.	*	.6	1.3	1.5	1.4	1.0	.3	.4	.4	.5	.6	.6	.6	.7	.5	.3	.3	.1	.0	.8	.6
325.	*	.5	1.2	1.4	1.4	1.2	.2	.6	.5	.5	.6	.6	.6	.7	.5	.3	.3	.1	.0	.7	.6
330.	*	.4	1.2	1.5	1.4	1.2	.2	.6	.5	.5	.6	.6	.6	.8	.5	.3	.3	.0	.0	.7	.6
335.	*	.4	.9	1.4	1.4	1.3	.5	.7	.5	.5	.6	.7	.6	.8	.5	.3	.3	.0	.0	.7	.5
340.	*	.4	.9	.9	1.1	1.2	.6	.7	.5	.5	.6	.8	.6	.8	.5	.3	.3	.1	.0	.6	.4
345.	*	.6	.6	.9	1.1	1.2	.7	.7	.5	.5	.6	.8	.7	.7	.6	.4	.1	.1	.0	.6	.5
350.	*	.7	.7	.9	.9	1.2	.7	.5	.5	.5	.6	.8	.6	.7	.6	.4	.1	.1	.0	.5	.5
355.	*	.6	.8	.9	1.1	1.1	.7	.5	.4	.5	.5	.8	.6	.7	.3	.1	.1	.0	.4	.4	.4
360.	*	.6	.7	.8	.8	1.1	.7	.5	.3	.5	.5	.6	.6	.8	.7	.2	.1	.0	.0	.4	.5
MAX	*	.9	1.6	1.5	1.4	1.3	.8	.7	.6	.6	1.1	1.1	.9	1.1	.8	1.0	1.0	1.0	1.0	.9	1.0
DEGR.	*	195	305	320	320	335	285	335	80	40	275	260	230	225	220	210	235	270	250	300	150

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JOB: S12 410&201 HLRT 2015PM

RUN: S12 410&201 HLRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
0.	*	.6	.3	.3	.7	.7	.8	.5	.0	.0	.0	.0	.1	.0	.0	.0	.0
5.	*	.6	.6	.7	.7	.7	.8	.5	.1	.1	.1	.1	.1	.0	.0	.0	.0
10.	*	.7	.7	.7	.8	.7	.9	.5	.1	.3	.3	.2	.1	.0	.0	.0	.0
15.	*	.7	.8	.7	.9	.7	.9	.5	.3	.3	.3	.2	.1	.0	.0	.0	.0
20.	*	.7	.9	.9	.8	.8	.9	.5	.3	.4	.3	.3	.4	.1	.0	.0	.0
25.	*	.7	.7	.9	.8	.8	.9	.5	.4	.5	.5	.4	.4	.2	.1	.0	.0
30.	*	.6	.9	.9	.8	.9	1.0	.5	.5	.5	.6	.5	.4	.3	.1	.0	.0
35.	*	.8	.9	1.0	.8	.9	1.0	.5	.5	.5	.6	.6	.3	.4	.1	.0	.0
40.	*	.9	1.0	1.0	.7	.9	.9	.6	.5	.6	.6	.6	.3	.4	.1	.0	.0
45.	*	1.0	1.0	.9	.7	1.0	1.0	.6	.5	.6	.6	.6	.3	.3	.2	.0	.0
50.	*	.9	1.0	.9	.5	1.1	1.0	.6	.5	.5	.6	.3	.3	.2	.0	.0	.0
55.	*	1.0	1.0	.8	.3	1.0	1.0	.7	.5	.5	.6	.3	.3	.2	.0	.0	.0
60.	*	1.0	.9	.8	.3	1.0	1.0	.7	.5	.5	.5	.3	.3	.2	.1	.0	.0
65.	*	1.1	.9	.8	.3	.7	1.0	.7	.5	.5	.5	.4	.3	.2	.1	.0	.0
70.	*	1.1	.9	.8	.4	.7	.9	.8	.5	.5	.5	.4	.3	.2	.1	.0	.0
75.	*	1.1	.9	.8	.5	.8	.9	.8	.5	.5	.5	.4	.4	.2	.1	.0	.0
80.	*	1.0	.9	.7	.6	.7	1.0	.9	.4	.5	.5	.4	.3	.2	.1	.0	.0
85.	*	.9	.9	.6	.7	.5	.8	.9	.4	.5	.5	.3	.4	.1	.1	.0	.0
90.	*	.9	.9	.5	.6	.5	.7	1.0	.4	.5	.5	.3	.4	.1	.1	.1	.1
95.	*	.9	.9	.5	.5	.7	.6	.9	.5	.5	.5	.3	.4	.3	.2	.3	.5
100.	*	.9	.8	.5	.5	.6	.5	.9	.5	.6	.5	.3	.5	.2	.2	.5	.6
105.	*	.8	.8	.4	.4	.3	.3	.5	.7	.6	.6	.5	.3	.5	.3	.3	.6
110.	*	.8	.8	.4	.4	.3	.2	.5	.7	.7	.6	.6	.3	.7	.6	.4	.9
115.	*	.8	.8	.4	.3	.3	.1	.1	.8	.8	.6	.6	.3	.7	.6	.6	1.0
120.	*	.8	.8	.3	.3	.3	.2	.2	.8	.8	.6	.6	.4	.6	.8	.7	1.0
125.	*	.8	.8	.3	.3	.3	.3	.1	.7	1.0	.7	.6	.4	.6	.8	.7	1.2
130.	*	.8	.7	.3	.3	.3	.1	.6	1.0	.7	.6	.5	.6	.7	.9	1.1	.1
135.	*	.9	.8	.3	.4	.3	.3	.0	.5	.8	.7	.6	.5	.6	1.0	.9	1.2
140.	*	.9	.9	.4	.4	.3	.3	.0	.2	.8	.7	.6	.6	.7	1.2	1.1	1.0
145.	*	.9	.9	.4	.4	.3	.2	.0	.2	.7	.6	.6	.6	.9	1.2	1.1	1.0
150.	*	.9	.8	.4	.4	.3	.2	.0	.6	.6	.7	.5	1.0	1.1	1.1	.9	.9
155.	*	.9	.8	.4	.4	.2	.1	.0	.7	.3	.6	.7	.5	.9	1.2	1.1	.7
160.	*	.8	.8	.4	.3	.2	.0	.0	.7	.5	.5	.6	.5	1.0	1.1	.9	.7
165.	*	.9	.8	.4	.2	.1	.0	.0	.6	.5	.5	.5	1.0	1.1	.9	.6	.6
170.	*	.8	.7	.4	.2	.0	.0	.0	.6	.5	.6	.6	.5	1.0	.9	.9	.6
175.	*	.8	.6	.4	.2	.0	.0	.0	.6	.5	.5	.7	.6	1.0	.9	.9	.6
180.	*	.5	.5	.3	.1	.0	.0	.0	.7	.5	.6	.4	.5	.9	.9	.8	.6
185.	*	.4	.4	.2	.0	.0	.0	.0	.7	.4	.3	.4	.4	.9	.9	.9	.6
190.	*	.2	.2	.1	.0	.0	.0	.0	.6	.5	.3	.2	.3	.9	.9	.9	.6
195.	*	.1	.1	.1	.0	.0	.0	.0	.5	.5	.3	.1	.2	.9	.9	.9	.6
200.	*	.1	.1	.1	.0	.0	.0	.0	.7	.4	.4	.3	.1	.9	.9	.9	.6
205.	*	.1	.1	.0	.0	.0	.0	.0	.7	.4	.4	.3	.1	.9	.9	.8	.6

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JOB: S12 410&201 HLRT 2015PM

RUN: S12 410&201 HLRT 2015PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
210.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.2	.9	.9	.8	.6	
215.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.9	.8	.8	.6	
220.	*	.0	.0	.0	.0	.0	.0	.7	.5	.4	.3	.1	.9	.9	.8	.6	
225.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.9	.9	.8	.6	
230.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.9	.9	.8	.6	
235.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.9	.9	.8	.7	
240.	*	.0	.0	.0	.0	.0	.0	.8	.6	.3	.3	.1	1.0	.9	.8	.8	
245.	*	.0	.0	.0	.0	.0	.0	.8	.6	.3	.2	.1	1.0	.9	.7	.8	
250.	*	.0	.0	.0	.0	.0	.0	.8	.6	.3	.2	.1	1.0	1.0	.7	.8	
255.	*	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.0	1.0	1.0	.8	.8	
260.	*	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.0	1.0	1.0	.8	.8	
265.	*	.0	.0	.0	.0	.0	.0	.9	.5	.2	.1	.0	1.1	.9	.8	.8	
270.	*	.0	.0	.0	.0	.0	.0	.7	.5	.2	.1	.0	1.1	.9	.8	.8	
275.	*	.0	.0	.0	.1	.1	.1	.7	.3	.1	.1	.0	.9	.8	.6	.8	
280.	*	.0	.0	.0	.2	.3	.2	.6	.2	.1	.0	.0	.8	.7	.6	.7	
285.	*	.0	.0	.0	.4	.5	.5	.2	.3	.2	.0	.0	.5	.5	.5	.6	
290.	*	.1	.0	.0	.7	.5	.5	.4	.2	.1	.0	.0	.4	.4	.3	.4	
295.	*	.1	.1	.0	.7	.8	.7	.6	.2	.0	.0	.0	.2	.2	.2	.2	
300.	*	.2	.1	.0	.9	.9	.8	.6	.0	.0	.0	.0	.2	.2	.0	.2	
305.	*	.3	.1	.0	.9	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.3	.2	.1	.9	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.4	.3	.1	1.0	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.4	.3	.1	1.0	1.0	1.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.5	.3	.1	1.0	1.0	1.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.4	.3	.1	.9	1.0	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.4	.3	.2	.8	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.5	.4	.3	.7	.9	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.5	.4	.3	.7	.7	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.5	.3	.2	.7	.7	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.5	.3	.3	.7	.7	.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	
360.	*	.6	.3	.3	.7	.7	.8	.5	.0	.0	.0	.1	.0	.0	.0	.0	
MAX	*	1.1	1.0	1.0	1.0	1.1	1.0	1.0	.9	1.0	.7	.7	.6	1.1	1.2	1.1	1.2
DEGR.	*	65	40	35	315	50	30	90	265	125	125	150	140	265	140	140	125

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 305 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 320 DEGREES FROM REC3 .  
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 320 DEGREES FROM REC4 .

Site 12

MD 201 at MD 410

2030



S12 MD410&201 NB30AM				60.0321.0.0000.000360.30480000	1	1
SE COR			1217.	802.	5.0	
SE 82E			1266.	808.	5.0	
SE 164E			1348.	792.	5.0	
SE 256E			1439.	774.	5.0	
SE MIDE			1701.	721.	5.0	
SE 82S			1189.	744.	5.0	
SE 164S			1189.	662.	5.0	
SE 256S			1189.	574.	5.0	
SE MIDS			1098.	233.	5.0	
NE COR			1229.	958.	5.0	
NE 82E			1290.	923.	5.0	
NE 164E			1368.	903.	5.0	
NE 256E			1449.	884.	5.0	
NE MIDE			1727.	839.	5.0	
NE 82N			1217.	1017.	5.0	
NE 164N			1228.	1094.	5.0	
NE 256N			1241.	1181.	5.0	
NE MIDN			1280.	1355.	5.0	
SW COR			1073.	842.	5.0	
SW 82W			1014.	883.	5.0	
SW 164W			931.	907.	5.0	
SW 256W			849.	931.	5.0	
SW MIDW			564.	1020.	5.0	
SW 82S			1093.	794.	5.0	
SW 164S			1093.	680.	5.0	
SW 256S			1093.	621.	5.0	
SW MIDS			1027.	317.	5.0	
NW COR			1084.	1013.	5.0	
NW 82N			1117.	1065.	5.0	
NW 164N			1134.	1139.	5.0	
NW 256N			1149.	1230.	5.0	
NW MIDN			1178.	1380.	5.0	
NW 82W			1027.	998.	5.0	
NW 164W			953.	1015.	5.0	
NW 256W			849.	1044.	5.0	
NW MIDW			567.	1110.	5.0	
S12 MD410&201 NB30AM				57	1	0
1						
EBL	MD410	AG	1157.	902.	660.	1035.
2						
EBL	MD410	AG	1074.	924.	894.	972.
160	138		2.0	345	32.1	1717 1 3
1						
EBT	MD410	AG	1155.	879.	656.	1020.
2						
EBT	MD410	AG	1069.	903.	832.	970.
160	93		2.0	955	32.1	1770 1 3
1						
EBR	MD410	AG	1117.	791.	1082.	863.
1						
EBR	MD410	AG	1082.	863.	1029.	898.
1						
EBR	MD410	AG	1029.	898.	859.	946.
2						
EBR	MD410	AG	1007.	904.	899.	934.
160	93		2.0	365	32.1	1583 1 3
1						
EBR	MD410	AG	859.	946.	655.	1011.
1						
EBALL	MD410	AG	654.	1022.	183.	1153.
1						
EBDP	MD410	AG	2140.	728.	1906.	735.
1						
EBDP	MD410	AG	1906.	735.	1616.	769.
1						
EBDP	MD410	AG	1616.	769.	1339.	822.
1						
EBDP	MD410	AG	1339.	822.	1155.	879.
1						
WBL	MD410	AG	1158.	898.	1371.	844.
2						
WBL	MD410	AG	1220.	882.	1334.	853.
160	149		2.0	50	32.1	1770 1 3
1						
WBL	MD410	AG	1371.	844.	1565.	809.
1						
WBT	MD410	AG	1157.	927.	1456.	842.
2						
WBT	MD410	AG	1213.	911.	1357.	870.
160	104		2.0	1675	32.1	1770 1 3
1						
WBT	MD410	AG	1456.	842.	1568.	823.
1						
WBR	MD410	AG	1183.	1004.	1223.	933.
1						
WBR	MD410	AG	1223.	933.	1269.	910.
1						
WBR	MD410	AG	1269.	910.	1429.	867.
1						
WBR	MD410	AG	1429.	867.	1570.	838.
1						
WBALL	MD410	AG	1570.	826.	1837.	793.
1						
WBALL	MD410	AG	1837.	793.	2147.	777.

[illegible]

JOB: S12 MD410&amp;201 NB30AM

RUN: S12 MD410&amp;201 NB30AM

DATE: 01/11/2008 TIME: 11:46:20.29

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	1157.0	902.0	660.0	1035.0	*	514.	285. AG	345.	3.3	.0	44.0		
2. EBL	MD410	*	1074.0	924.0	920.5	964.9	*	159.	285. AG	149.	100.0	.0	24.0	.89	8.1
3. EBT	MD410	*	1155.0	879.0	656.0	1020.0	*	519.	286. AG	955.	3.3	.0	44.0		
4. EBT	MD410	*	1069.0	903.0	835.6	969.0	*	243.	286. AG	100.	100.0	.0	24.0	.69	12.3
5. EBR	MD410	*	1117.0	791.0	1082.0	863.0	*	80.	334. AG	365.	3.3	.0	32.0		
6. EBR	MD410	*	1082.0	863.0	1029.0	898.0	*	64.	303. AG	365.	3.3	.0	32.0		
7. EBR	MD410	*	1029.0	898.0	859.0	946.0	*	177.	286. AG	365.	3.3	.0	32.0		
8. EBR	MD410	*	1007.0	904.0	828.2	953.7	*	186.	286. AG	50.	100.0	.0	12.0	.59	9.4
9. EBR	MD410	*	859.0	946.0	655.0	1011.0	*	214.	288. AG	365.	3.3	.0	32.0		
10. EBALL	MD410	*	654.0	1022.0	183.0	1153.0	*	489.	286. AG	1665.	3.3	.0	44.0		
11. EBDP	MD410	*	2140.0	728.0	1906.0	735.0	*	234.	272. AG	1120.	3.3	.0	56.0		
12. EBDP	MD410	*	1906.0	735.0	1616.0	769.0	*	292.	277. AG	1120.	3.3	.0	56.0		
13. EBDP	MD410	*	1616.0	769.0	1339.0	822.0	*	282.	281. AG	1120.	3.3	.0	56.0		
14. EBDP	MD410	*	1339.0	822.0	1155.0	879.0	*	193.	287. AG	1120.	3.3	.0	56.0		
15. WBL	MD410	*	1158.0	898.0	1371.0	844.0	*	220.	104. AG	50.	3.0	.0	32.0		
16. WBL	MD410	*	1220.0	882.0	1262.7	871.1	*	44.	104. AG	80.	100.0	.0	12.0	.65	2.2
17. WBL	MD410	*	1371.0	844.0	1565.0	809.0	*	197.	100. AG	50.	3.0	.0	32.0		
18. WBT	MD410	*	1157.0	927.0	1456.0	842.0	*	311.	106. AG	1675.	3.0	.0	44.0		
19. WBT	MD410	*	1213.0	911.0	4313.4	28.3	*	3224.	106. AG	112.	100.0	.0	24.0	1.46	163.8
20. WBT	MD410	*	1456.0	842.0	1568.0	823.0	*	114.	100. AG	1675.	3.0	.0	44.0		
21. WBR	MD410	*	1183.0	1004.0	1223.0	933.0	*	81.	151. AG	550.	3.0	.0	32.0		
22. WBR	MD410	*	1223.0	933.0	1269.0	910.0	*	51.	117. AG	550.	3.0	.0	32.0		
23. WBR	MD410	*	1269.0	910.0	1429.0	867.0	*	166.	105. AG	550.	3.0	.0	32.0		
24. WBR	MD410	*	1429.0	867.0	1570.0	838.0	*	144.	102. AG	550.	3.0	.0	32.0		
25. WBALL	MD410	*	1570.0	826.0	1837.0	793.0	*	269.	97. AG	2275.	3.0	.0	56.0		
26. WBALL	MD410	*	1837.0	793.0	2147.0	777.0	*	310.	93. AG	2275.	3.0	.0	56.0		
27. WBDP	MD410	*	197.0	1189.0	733.0	1045.0	*	555.	105. AG	2415.	3.0	.0	44.0		
28. WBDP	MD410	*	733.0	1045.0	1157.0	929.0	*	440.	105. AG	2415.	3.0	.0	44.0		
29. NBR	MD201	*	1276.0	839.0	1214.0	827.0	*	63.	259. AG	40.	3.0	.0	32.0		
30. NBR	MD201	*	1214.0	827.0	1170.0	793.0	*	56.	232. AG	40.	3.0	.0	32.0		
31. NBL	MD201	*	1149.0	910.0	1141.0	612.0	*	298.	182. AG	405.	3.0	.0	44.0		
32. NBL	MD201	*	1147.0	822.0	1131.4	287.4	*	535.	182. AG	151.	100.0	.0	24.0	1.18	27.2
33. NBT&R	MD201	*	1173.0	916.0	1162.0	599.0	*	317.	182. AG	935.	3.0	.0	44.0		
34. NBT&R	MD201	*	1170.0	823.0	1161.5	593.3	*	230.	182. AG	97.	100.0	.0	24.0	.64	11.7
35. NBALL	MD201	*	1156.0	599.0	1150.0	473.0	*	126.	183. AG	1340.	3.0	.0	56.0		
36. NBALL	MD201	*	1150.0	473.0	1120.0	348.0	*	129.	193. AG	1340.	3.0	.0	56.0		
37. NBALL	MD201	*	1120.0	348.0	1041.0	193.0	*	174.	207. AG	1340.	3.0	.0	56.0		
38. NBALL	MD201	*	1041.0	193.0	861.0	-52.0	*	304.	216. AG	1340.	3.0	.0	44.0		
39. NBDP	MD201	*	1372.0	1882.0	1286.0	1563.0	*	330.	195. AG	1790.	3.0	.0	56.0		
40. NBDP	MD201	*	1286.0	1563.0	1213.0	1203.0	*	367.	191. AG	1790.	3.0	.0	44.0		
41. NBDP	MD201	*	1213.0	1203.0	1170.0	919.0	*	287.	189. AG	1790.	3.0	.0	44.0		
42. SBL	MD201	*	1144.0	917.0	1180.0	1142.0	*	228.	9. AG	125.	3.2	.0	32.0		
43. SBL	MD201	*	1155.0	981.0	1169.7	1073.5	*	94.	9. AG	74.	100.0	.0	12.0	.60	4.8
44. SBT	MD201	*	1127.0	905.0	1167.0	1150.0	*	248.	9. AG	1815.	3.2	.0	44.0		

JOB: S12 MD410&amp;201 NB30AM

RUN: S12 MD410&amp;201 NB30AM

DATE: 01/11/2008 TIME: 11:46:20.29

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD201	*	1140.0	980.0	1478.4	3075.0	*	2122.	9. AG	95.	100.0	.0	24.0	1.21	107.8
46. SBR	MD201	*	1070.0	980.0	1127.0	1030.0	*	76.	49. AG	335.	3.2	.0	32.0		
47. SBR	MD201	*	1127.0	1030.0	1153.0	1151.0	*	124.	12. AG	335.	3.2	.0	25.0		
48. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	335.	3.2	.0	32.0		
49. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	335.	3.2	.0	32.0		
50. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	335.	3.2	.0	32.0		
51. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	335.	3.2	.0	32.0		
52. SBALL	MD201	*	1160.0	1154.0	1232.0	1516.0	*	369.	11. AG	2275.	3.2	.0	56.0		
53. SBALL	MD201	*	1232.0	1516.0	1331.0	1894.0	*	391.	15. AG	2275.	3.2	.0	56.0		
54. SBDP	MD201	*	813.0	-33.0	1016.0	226.0	*	329.	38. AG	2230.	3.2	.0	44.0		
55. SBDP	MD201	*	1016.0	226.0	1095.0	405.0	*	196.	24. AG	2230.	3.2	.0	44.0		
56. SBDP	MD201	*	1095.0	405.0	1122.0	589.0	*	186.	8. AG	2230.	3.2	.0	44.0		
57. SBDP	MD201	*	1120.0	590.0	1120.0	911.0	*	321.	360. AG	2230.	3.2	.0	44.0		

JOB: S12 MD410&amp;201 NB30AM

RUN: S12 MD410&amp;201 NB30AM

DATE: 01/11/2008 TIME: 11:46:20.29

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	160	138	2.0	345	1717	32.10	1	3

4. EBT	MD410	*	160	93	2.0	955	1770	32.10	1	3
8. EBR	MD410	*	160	93	2.0	365	1583	32.10	1	3
16. WBL	MD410	*	160	149	2.0	50	1770	32.10	1	3
19. WBT	MD410	*	160	104	2.0	1675	1770	32.10	1	3
32. NBL	MD201	*	160	140	2.0	405	1717	32.10	1	3
34. NBT&R	MD201	*	160	90	2.0	935	1770	32.10	1	3
43. SBL	MD201	*	160	137	2.0	125	1770	32.10	1	3
45. SBT	MD201	*	160	88	2.0	1815	1770	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1217.0	802.0	5.0	*
2. SE 82E	*	1266.0	808.0	5.0	*
3. SE 164E	*	1348.0	792.0	5.0	*
4. SE 256E	*	1439.0	774.0	5.0	*
5. SE MIDE	*	1701.0	721.0	5.0	*
6. SE 82S	*	1189.0	744.0	5.0	*
7. SE 164S	*	1189.0	662.0	5.0	*
8. SE 256S	*	1189.0	574.0	5.0	*
9. SE MIDS	*	1098.0	233.0	5.0	*
10. NE COR	*	1229.0	958.0	5.0	*
11. NE 82E	*	1290.0	923.0	5.0	*
12. NE 164E	*	1368.0	903.0	5.0	*
13. NE 256E	*	1449.0	884.0	5.0	*
14. NE MIDE	*	1727.0	839.0	5.0	*
15. NE 82N	*	1217.0	1017.0	5.0	*
16. NE 164N	*	1228.0	1094.0	5.0	*
17. NE 256N	*	1241.0	1181.0	5.0	*
18. NE MIDN	*	1280.0	1355.0	5.0	*
19. SW COR	*	1073.0	842.0	5.0	*
20. SW 82W	*	1014.0	883.0	5.0	*
21. SW 164W	*	931.0	907.0	5.0	*
22. SW 256W	*	849.0	931.0	5.0	*
23. SW MIDW	*	564.0	1020.0	5.0	*
24. SW 82S	*	1093.0	794.0	5.0	*
25. SW 164S	*	1093.0	680.0	5.0	*
26. SW 256S	*	1093.0	621.0	5.0	*
27. SW MIDS	*	1027.0	317.0	5.0	*
28. NW COR	*	1084.0	1013.0	5.0	*
29. NW 82N	*	1117.0	1065.0	5.0	*
30. NW 164N	*	1134.0	1139.0	5.0	*
31. NW 256N	*	1149.0	1230.0	5.0	*
32. NW MIDN	*	1178.0	1380.0	5.0	*
33. NW 82W	*	1027.0	998.0	5.0	*
34. NW 164W	*	953.0	1015.0	5.0	*
35. NW 256W	*	849.0	1044.0	5.0	*
36. NW MIDW	*	567.0	1110.0	5.0	*

1

JOB: S12 MD410&201 NB30AM

RUN: S12 MD410&201 NB30AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.5	.4	.4	.4	.4	.5	.5	.6	.3	.1	.1	.0	.0	.5	.5	.5	.4	.5	.6	
5.	*	.5	.4	.3	.4	.4	.4	.3	.4	.7	.3	.1	.0	.0	.5	.5	.5	.4	.6	.7	
10.	*	.5	.4	.3	.4	.4	.3	.3	.2	.6	.1	.1	.0	.0	.4	.4	.2	.4	.6	.7	
15.	*	.5	.3	.4	.3	.4	.3	.3	.1	.5	.1	.0	.0	.0	.2	.2	.2	.2	.5	.7	
20.	*	.4	.3	.3	.4	.4	.1	.1	.1	.4	.0	.0	.0	.0	.0	.0	.1	.0	.7	.8	
25.	*	.4	.3	.3	.4	.4	.1	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	
30.	*	.3	.3	.3	.4	.4	.1	.1	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	
35.	*	.3	.3	.3	.4	.4	.1	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	
40.	*	.3	.3	.4	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	
45.	*	.3	.3	.4	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9	
50.	*	.3	.3	.4	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.9	
55.	*	.3	.4	.4	.4	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	
60.	*	.3	.4	.4	.4	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	
65.	*	.3	.4	.4	.5	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	
70.	*	.3	.4	.4	.5	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	
75.	*	.4	.5	.4	.5	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	
80.	*	.3	.5	.5	.5	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	
85.	*	.4	.4	.5	.5	.5	.1	.1	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.6	.5	
90.	*	.3	.4	.5	.4	.5	.1	.1	.1	.0	.0	.1	.1	.2	.0	.0	.0	.0	.5	.4	
95.	*	.3	.4	.4	.4	.4	.1	.1	.1	.0	.1	.1	.1	.2	.3	.0	.0	.0	.6	.5	
100.	*	.2	.4	.3	.3	.4	.1	.1	.1	.0	.2	.3	.3	.3	.1	.0	.0	.0	.6	.4	
105.	*	.1	.2	.3	.3	.2	.1	.1	.0	.0	.2	.5	.4	.5	.1	.1	.0	.0	.5	.2	
110.	*	.1	.1	.2	.2	.2	.1	.0	.0	.0	.4	.6	.5	.6	.5	.1	.1	.0	.5	.3	
115.	*	.0	.1	.2	.1	.1	.0	.0	.0	.0	.4	.6	.6	.6	.5	.2	.1	.1	.0	.5	.3
120.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.8	.6	.6	.5	.2	.1	.1	.5	.3	
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.7	.6	.5	.2	.1	.1	.5	.3	
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.6	.6	.5	.3	.1	.1	.5	.3	

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135. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .7 .6 .6 .5 .3 .1 .1 .1 .5 .3
140. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .6 .6 .6 .5 .2 .1 .1 .1 .5 .4
145. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .6 .7 .6 .5 .2 .1 .1 .1 .5 .4
150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .6 .7 .6 .5 .2 .1 .1 .1 .5 .4
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .6 .7 .6 .5 .2 .1 .1 .1 .6 .3
160. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .6 .6 .5 .5 .2 .1 .1 .0 .5 .2
165. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .6 .6 .5 .5 .2 .1 .1 .0 .5 .1
170. * .0 .0 .0 .0 .0 .3 .1 .0 .0 .5 .6 .6 .5 .5 .2 .1 .1 .0 .3 .1
175. * .1 .0 .0 .0 .0 .3 .1 .1 .0 .6 .6 .6 .5 .5 .3 .2 .1 .0 .3 .1
180. * .1 .0 .0 .0 .0 .5 .2 .2 .0 .6 .6 .6 .5 .5 .4 .3 .2 .0 .2 .0
185. * .2 .1 .0 .0 .0 .5 .5 .3 .0 .6 .7 .6 .5 .5 .4 .2 .2 .1 .1 .0
190. * .3 .1 .0 .0 .0 .8 .7 .3 .0 .6 .7 .5 .5 .5 .5 .3 .2 .3 .0 .0
195. * .3 .1 .0 .0 .0 .9 .7 .3 .0 .8 .7 .5 .5 .5 .5 .3 .4 .4 .0 .0
200. * .6 .2 .1 .0 .0 1.0 .8 .5 .0 .8 .8 .6 .5 .5 .5 .4 .5 .3 .0 .0
205. * .7 .3 .1 .0 .0 1.0 .8 .6 .0 .7 .8 .6 .4 .5 .3 .5 .4 .4 .0 .0

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JOB: S12 MD410&201 NB30AM

RUN: S12 MD410&201 NB30AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR) * REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----
210. * .7 .3 .1 .0 .0 1.0 .8 .6 .2 .6 1.0 .6 .5 .5 .4 .5 .4 .4 .0 .0
215. * .7 .3 .1 .1 .0 .8 .8 .5 .3 .4 .9 .7 .5 .5 .4 .6 .4 .4 .0 .0
220. * .6 .4 .1 .1 .0 .8 .9 .5 .3 .4 .9 .8 .5 .5 .5 .6 .5 .4 .0 .0
225. * .6 .4 .1 .1 .0 .8 .9 .5 .3 .3 .9 .8 .5 .5 .4 .7 .6 .4 .0 .0
230. * .6 .4 .2 .1 .0 .8 .9 .5 .3 .4 1.0 .8 .5 .4 .4 .7 .7 .4 .0 .0
235. * .6 .4 .2 .1 .0 .8 .8 .5 .3 .4 .9 .9 .4 .4 .6 .8 .6 .4 .0 .0
240. * .6 .4 .2 .1 .0 .8 .8 .5 .3 .5 .9 1.0 .5 .4 .8 .8 .5 .4 .0 .0
245. * .6 .4 .3 .1 .0 .8 .8 .5 .3 .6 .6 .9 .6 .5 .8 .8 .5 .4 .0 .0
250. * .6 .3 .3 .1 .1 .8 .8 .5 .2 .7 .5 .8 .6 .4 .8 .5 .4 .4 .0 .0
255. * .6 .3 .3 .2 .1 .8 .8 .5 .2 .8 .5 .7 .6 .4 .8 .5 .4 .3 .0 .0
260. * .6 .3 .3 .2 .1 .8 .8 .5 .3 .7 .5 .6 .6 .4 .8 .5 .4 .3 .0 .0
265. * .6 .3 .3 .1 .0 .8 .8 .5 .3 .7 .7 .5 .6 .4 .7 .4 .4 .3 .0 .0
270. * .6 .3 .3 .2 .0 .8 .8 .5 .3 .7 .5 .6 .5 .4 .6 .4 .4 .3 .0 .0
275. * .6 .3 .3 .2 .0 .8 .8 .5 .2 .7 .5 .6 .5 .3 .6 .4 .4 .3 .0 .0
280. * .4 .3 .2 .1 .2 .8 .8 .6 .2 .5 .7 .5 .4 .2 .5 .4 .4 .3 .0 .2
285. * .5 .4 .1 .1 .3 .8 .8 .6 .2 .5 .5 .3 .3 .2 .5 .4 .3 .3 .0 .3
290. * .7 .6 .2 .3 .4 .8 .8 .6 .2 .5 .3 .3 .2 .2 .5 .4 .3 .3 .1 .4
295. * .8 .6 .3 .5 .4 .8 .8 .6 .2 .5 .3 .0 .0 .0 .5 .4 .3 .3 .3 .8
300. * .7 .6 .2 .3 .4 .9 .8 .6 .2 .5 .3 .0 .0 .0 .5 .4 .4 .3 .5 .8
305. * .7 .3 .4 .3 .5 1.1 .8 .6 .2 .5 .3 .1 .0 .0 .5 .4 .4 .3 .6 .8
310. * .6 .2 .3 .4 .5 1.1 .8 .6 .2 .5 .3 .1 .0 .0 .5 .5 .4 .3 .5 .9
315. * .4 .2 .3 .4 .4 1.1 .8 .8 .2 .5 .3 .1 .1 .0 .5 .5 .4 .4 .6 .9
320. * .4 .4 .3 .4 .4 1.1 1.0 .8 .2 .5 .3 .1 .1 .0 .5 .5 .5 .4 .6 .9
325. * .4 .4 .4 .5 .4 .9 1.0 .7 .2 .4 .2 .1 .1 .0 .5 .5 .5 .4 .6 .9
330. * .4 .7 .6 .5 .4 .9 1.0 .8 .2 .4 .2 .1 .1 .0 .5 .5 .4 .4 .6 .8
335. * .5 .7 .6 .5 .4 .8 .9 .8 .2 .3 .2 .1 .1 .0 .6 .5 .6 .5 .6 .8
340. * .4 .6 .6 .5 .4 .7 .7 .8 .2 .4 .3 .1 .1 .0 .6 .5 .5 .6 .5 .8
345. * .5 .6 .6 .5 .4 .7 .7 .8 .3 .3 .2 .1 .1 .0 .6 .6 .5 .6 .5 .8
350. * .5 .6 .6 .5 .4 .6 .8 .8 .3 .4 .2 .1 .1 .0 .5 .6 .5 .6 .4 .6
355. * .5 .4 .5 .5 .4 .6 .5 .7 .5 .4 .1 .1 .1 .0 .6 .5 .5 .5 .4 .6
360. * .5 .4 .4 .4 .4 .4 .5 .5 .6 .3 .1 .1 .0 .0 .5 .5 .5 .4 .5 .6
-----
MAX * .8 .7 .6 .5 .5 1.1 1.0 .8 .7 .8 1.0 1.0 .6 .5 .8 .8 .7 .6 .7 .9
DEGR. * 295 330 330 65 60 305 320 315 5 195 230 240 110 105 240 235 230 340 20 45

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JOB: S12 MD410&201 NB30AM

RUN: S12 MD410&201 NB30AM

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MODEL RESULTS  
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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR) * REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36
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0. * .7 .5 .3 .4 .3 .4 .0 .1 .2 .3 .3 .4 .0 .0 .0 .0
5. * .7 .5 .3 .5 .4 .5 .2 .2 .3 .4 .4 .5 .1 .0 .0 .0
10. * .7 .5 .3 .6 .5 .6 .4 .3 .3 .6 .7 .6 .1 .0 .0 .0
15. * .8 .5 .3 .6 .5 .7 .4 .3 .6 .7 .7 .6 .1 .1 .0 .0
20. * .8 .6 .3 .6 .7 .7 .4 .3 .6 .7 .8 .8 .2 .1 .1 .0
25. * .9 .6 .3 .6 .6 .8 .5 .4 .6 .7 .8 .9 .2 .1 .1 .0
30. * .9 .6 .3 .5 .6 .8 .5 .4 .6 .7 .8 .9 .2 .1 .1 .0
35. * .9 .6 .3 .3 .8 .8 .5 .5 .7 .7 .7 .8 .2 .2 .1 .0
40. * .9 .6 .3 .3 .9 .9 .5 .4 .7 .6 .7 .7 .2 .2 .1 .0
45. * .9 .6 .3 .3 .9 1.0 .6 .4 .5 .6 .7 .7 .1 .2 .1 .0
50. * .9 .7 .3 .5 .8 .9 .6 .4 .5 .7 .7 .7 .2 .2 .1 .0
55. * .9 .7 .3 .5 .8 .8 .6 .4 .5 .7 .7 .7 .3 .1 .1 .0
60. * 1.0 .9 .3 .6 .7 .8 .5 .5 .5 .6 .7 .3 .1 .1 .0
65. * .9 .8 .3 .7 .7 .8 .5 .5 .5 .6 .6 .3 .1 .1 .0
70. * .9 .9 .3 .8 .7 .8 .5 .5 .5 .6 .6 .3 .1 .1 .0
75. * .8 .9 .3 .6 .7 .7 .5 .5 .5 .6 .6 .3 .1 .1 .1
80. * .9 1.0 .4 .6 .7 .7 .5 .4 .5 .5 .6 .3 .1 .0 .1
85. * .9 1.1 .4 .6 .7 .7 .4 .4 .6 .4 .5 .6 .3 .2 .0 .1
90. * .8 1.0 .5 .6 .7 .7 .4 .4 .6 .4 .5 .6 .4 .3 .1 .1

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95.	*	.5	.9	.4	.7	.7	.7	.4	.5	.6	.5	.5	.6	.4	.3	.2	.3
100.	*	.5	.7	.5	.7	.7	.7	.4	.5	.7	.5	.5	.6	.4	.2	.2	.4
105.	*	.5	.5	.4	.7	.6	.6	.4	.6	.7	.6	.5	.6	.5	.3	.4	.5
110.	*	.3	.4	.3	.7	.6	.6	.4	.6	.7	.6	.6	.6	.5	.3	.4	.5
115.	*	.3	.4	.1	.6	.6	.7	.3	.6	.7	.6	.6	.6	.6	.5	.6	.6
120.	*	.2	.1	.0	.6	.6	.6	.3	.6	.8	.6	.6	.7	.5	.5	.6	.6
125.	*	.3	.1	.0	.6	.6	.7	.3	.5	.7	.6	.6	.7	.4	.6	.7	.5
130.	*	.3	.1	.0	.6	.6	.7	.3	.5	.8	.6	.6	.7	.3	.6	.8	.5
135.	*	.2	.1	.0	.7	.6	.7	.3	.4	.8	.6	.6	.7	.4	.9	.7	.4
140.	*	.2	.1	.0	.7	.7	.6	.3	.3	.8	.6	.7	.8	.5	.9	.7	.4
145.	*	.1	.1	.0	.7	.7	.6	.3	.2	.8	.7	.7	.8	.6	.9	.7	.4
150.	*	.1	.1	.0	.7	.6	.7	.3	.4	.8	.8	.8	.8	.8	1.0	.7	.4
155.	*	.1	.1	.0	.7	.6	.7	.3	.5	.6	.8	.8	.7	.9	.9	.5	.4
160.	*	.1	.0	.0	.7	.6	.7	.4	.5	.6	.7	.8	.7	.9	.8	.5	.4
165.	*	.1	.0	.0	.7	.6	.6	.4	.5	.5	.7	.7	.7	.8	.7	.4	.4
170.	*	.0	.0	.0	.7	.6	.6	.4	.5	.7	.7	.8	.8	.8	.7	.4	.3
175.	*	.0	.0	.0	.4	.5	.5	.2	.3	.6	.8	.7	.7	.7	.6	.4	.3
180.	*	.0	.0	.0	.4	.4	.4	.3	.4	.5	.6	.7	.8	.7	.6	.4	.3
185.	*	.0	.0	.0	.2	.3	.2	.4	.4	.4	.5	.6	.7	.6	.6	.4	.3
190.	*	.0	.0	.0	.2	.3	.2	.4	.5	.4	.5	.5	.5	.6	.6	.4	.4
195.	*	.0	.0	.0	.1	.0	.1	.4	.3	.3	.3	.3	.3	.6	.6	.4	.4
200.	*	.0	.0	.0	.0	.0	.0	.4	.3	.2	.3	.2	.3	.6	.6	.3	.4
205.	*	.0	.0	.0	.0	.0	.0	.2	.4	.3	.2	.2	.2	.6	.6	.3	.3

1

JOB: S12 MD410&201 NB30AM

RUN: S12 MD410&201 NB30AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.0	.0	.0	.2	.4	.3	.3	.2	.1	.6	.5	.3	.3
215.	*	.0	.0	.0	.0	.0	.0	.2	.4	.3	.3	.1	.1	.6	.5	.3	.3
220.	*	.0	.0	.0	.0	.0	.0	.1	.4	.3	.3	.0	.1	.6	.5	.3	.3
225.	*	.0	.0	.0	.0	.0	.0	.1	.4	.3	.3	.0	.0	.6	.5	.3	.4
230.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.0	.0	.6	.4	.3	.4
235.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.0	.0	.6	.4	.3	.4
240.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.6	.5	.3	.4
245.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.6	.5	.3	.4
250.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.0	.0	.7	.5	.3	.4
255.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.6	.5	.2	.5
260.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.6	.4	.3	.5
265.	*	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.6	.3	.4	.5
270.	*	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.4	.4	.4	.5
275.	*	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.4	.4	.5
280.	*	.1	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.3	.4	.5
285.	*	.4	.3	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.3	.2	.5
290.	*	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.3
295.	*	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2
300.	*	.5	.3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2
305.	*	.6	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
310.	*	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
315.	*	.6	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	.6	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.5	.5	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.5	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.6	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.6	.4	.3	.3	.3	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
345.	*	.6	.4	.3	.3	.4	.2	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0
350.	*	.6	.5	.3	.4	.3	.2	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0
355.	*	.7	.5	.3	.4	.3	.3	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0
360.	*	.7	.5	.3	.4	.3	.4	.0	.1	.2	.3	.3	.4	.0	.0	.0	.0

MAX	*	1.0	1.1	.5	.8	.9	1.0	.6	.6	.8	.8	.8	.9	.9	1.0	.8	.6
DEGR.	*	60	85	90	70	40	45	45	105	120	150	20	25	155	150	130	115

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 305 DEGREES FROM REC6 .  
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 85 DEGREES FROM REC22.  
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 230 DEGREES FROM REC11.

S12 MD410&201 NB30PM				60.0321.0.0000.000360.30480000	1	1					
SE COR	1217.	802.	5.0								
SE 82E	1266.	808.	5.0								
SE 164E	1348.	792.	5.0								
SE 256E	1439.	774.	5.0								
SE MIDE	1701.	721.	5.0								
SE 82S	1189.	744.	5.0								
SE 164S	1189.	662.	5.0								
SE 256S	1189.	574.	5.0								
SE MIDS	1098.	233.	5.0								
NE COR	1229.	958.	5.0								
NE 82E	1290.	923.	5.0								
NE 164E	1368.	903.	5.0								
NE 256E	1449.	884.	5.0								
NE MIDE	1727.	839.	5.0								
NE 82N	1217.	1017.	5.0								
NE 164N	1228.	1094.	5.0								
NE 256N	1241.	1181.	5.0								
NE MIDN	1280.	1355.	5.0								
SW COR	1073.	842.	5.0								
SW 82W	1014.	883.	5.0								
SW 164W	931.	907.	5.0								
SW 256W	849.	931.	5.0								
SW MIDW	564.	1020.	5.0								
SW 82S	1093.	794.	5.0								
SW 164S	1093.	680.	5.0								
SW 256S	1093.	621.	5.0								
SW MIDS	1027.	317.	5.0								
NW COR	1084.	1013.	5.0								
NW 82N	1117.	1065.	5.0								
NW 164N	1134.	1139.	5.0								
NW 256N	1149.	1230.	5.0								
NW MIDN	1178.	1380.	5.0								
NW 82W	1027.	998.	5.0								
NW 164W	953.	1015.	5.0								
NW 256W	849.	1044.	5.0								
NW MIDW	567.	1110.	5.0								
S12 MD410&201 NB30PM		57	1	0							
1											
EBL	MD410	AG	1157.	902.	660.	1035.	665	3.0	0.	44	42
2											
EBL	MD410	AG	1074.	924.	894.	972.	0.	24	2		
	130	108	2.0	665	32.1	1660	1	3			
1											
EBT	MD410	AG	1155.	879.	656.	1020.	1595	3.0	0.	44	42
2											
EBT	MD410	AG	1069.	903.	832.	970.	0.	24	2		
	130	82	2.0	1595	32.1	1711	1	3			
1											
EBR	MD410	AG	1117.	791.	1082.	863.	495	3.0	0.	32	42
1											
EBR	MD410	AG	1082.	863.	1029.	898.	495	3.0	0.	32	42
1											
EBR	MD410	AG	1029.	898.	859.	946.	495	3.0	0.	32	42
2											
EBR	MD410	AG	1007.	904.	899.	934.	0.	12	1		
	130	82	2.0	495	32.1	1531	1	3			
1											
EBR	MD410	AG	859.	946.	655.	1011.	495	3.0	0.	32	42
1											
EBALL	MD410	AG	654.	1022.	183.	1153.	2755	3.0	0.	44	42
1											
EBDP	MD410	AG	2140.	728.	1906.	735.	2065	3.0	0.	56	42
1											
EBDP	MD410	AG	1906.	735.	1616.	769.	2065	3.0	0.	56	42
1											
EBDP	MD410	AG	1616.	769.	1339.	822.	2065	3.0	0.	56	42
1											
EBDP	MD410	AG	1339.	822.	1155.	879.	2065	3.0	0.	56	42
1											
WBL	MD410	AG	1158.	898.	1371.	844.	155	3.0	0.	32	38
2											
WBL	MD410	AG	1220.	882.	1334.	853.	0.	12	1		
	130	109	2.0	155	32.1	1711	1	3			
1											
WBL	MD410	AG	1371.	844.	1565.	809.	155	3.0	0.	32	38
1											
WBT	MD410	AG	1157.	927.	1456.	842.	1630	3.0	0.	44	38
2											
WBT	MD410	AG	1213.	911.	1357.	870.	0.	24	2		
	130	86	2.0	1630	32.1	1711	1	3			
1											
WBT	MD410	AG	1456.	842.	1568.	823.	1630	3.0	0.	44	38
1											
WBR	MD410	AG	1183.	1004.	1223.	933.	300	3.0	0.	32	38
1											
WBR	MD410	AG	1223.	933.	1269.	910.	300	3.0	0.	32	38
1											
WBR	MD410	AG	1269.	910.	1429.	867.	300	3.0	0.	32	38
1											
WBR	MD410	AG	1429.	867.	1570.	838.	300	3.0	0.	32	38
1											
WBALL	MD410	AG	1570.	826.	1837.	793.	2085	3.0	0.	56	38
1											
WBALL	MD410	AG	1837.	793.	2147.	777.	2085	3.0	0.	56	38

[illegible]



JOB: S12 MD410&amp;201 NB30PM

RUN: S12 MD410&amp;201 NB30PM

DATE: 01/11/2008 TIME: 11:48:47.82

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	1157.0	902.0	660.0	1035.0	*	514.	285. AG	665.	3.0	.0	44.0		
2. EBL	MD410	*	1074.0	924.0	-198.1	1263.2	*	1317.	285. AG	143.	100.0	.0	24.0	1.45	66.9
3. EBT	MD410	*	1155.0	879.0	656.0	1020.0	*	519.	286. AG	1595.	3.0	.0	44.0		
4. EBT	MD410	*	1069.0	903.0	-1494.4	1627.7	*	2664.	286. AG	109.	100.0	.0	24.0	1.38	135.3
5. EBR	MD410	*	1117.0	791.0	1082.0	863.0	*	80.	334. AG	495.	3.0	.0	32.0		
6. EBR	MD410	*	1082.0	863.0	1029.0	898.0	*	64.	303. AG	495.	3.0	.0	32.0		
7. EBR	MD410	*	1029.0	898.0	859.0	946.0	*	177.	286. AG	495.	3.0	.0	32.0		
8. EBR	MD410	*	1007.0	904.0	725.8	982.1	*	292.	286. AG	54.	100.0	.0	12.0	.96	14.8
9. EBR	MD410	*	859.0	946.0	655.0	1011.0	*	214.	288. AG	495.	3.0	.0	32.0		
10. EBALL	MD410	*	654.0	1022.0	183.0	1153.0	*	489.	286. AG	2755.	3.0	.0	44.0		
11. EBDP	MD410	*	2140.0	728.0	1906.0	735.0	*	234.	272. AG	2065.	3.0	.0	56.0		
12. EBDP	MD410	*	1906.0	735.0	1616.0	769.0	*	292.	277. AG	2065.	3.0	.0	56.0		
13. EBDP	MD410	*	1616.0	769.0	1339.0	822.0	*	282.	281. AG	2065.	3.0	.0	56.0		
14. EBDP	MD410	*	1339.0	822.0	1155.0	879.0	*	193.	287. AG	2065.	3.0	.0	56.0		
15. WBL	MD410	*	1158.0	898.0	1371.0	844.0	*	220.	104. AG	155.	3.0	.0	32.0		
16. WBL	MD410	*	1220.0	882.0	1313.1	858.3	*	96.	104. AG	72.	100.0	.0	12.0	.70	4.9
17. WBL	MD410	*	1371.0	844.0	1565.0	809.0	*	197.	100. AG	155.	3.0	.0	32.0		
18. WBT	MD410	*	1157.0	927.0	1456.0	842.0	*	311.	106. AG	1630.	3.0	.0	44.0		
19. WBT	MD410	*	1213.0	911.0	4483.3	-20.1	*	3400.	106. AG	114.	100.0	.0	24.0	1.55	172.7
20. WBT	MD410	*	1456.0	842.0	1568.0	823.0	*	114.	100. AG	1630.	3.0	.0	44.0		
21. WBR	MD410	*	1183.0	1004.0	1223.0	933.0	*	81.	151. AG	300.	3.0	.0	32.0		
22. WBR	MD410	*	1223.0	933.0	1269.0	910.0	*	51.	117. AG	300.	3.0	.0	32.0		
23. WBR	MD410	*	1269.0	910.0	1429.0	867.0	*	166.	105. AG	300.	3.0	.0	32.0		
24. WBR	MD410	*	1429.0	867.0	1570.0	838.0	*	144.	102. AG	300.	3.0	.0	32.0		
25. WBALL	MD410	*	1570.0	826.0	1837.0	793.0	*	269.	97. AG	2085.	3.0	.0	56.0		
26. WBALL	MD410	*	1837.0	793.0	2147.0	777.0	*	310.	93. AG	2085.	3.0	.0	56.0		
27. WBDP	MD410	*	197.0	1189.0	733.0	1045.0	*	555.	105. AG	2275.	3.0	.0	44.0		
28. WBDP	MD410	*	733.0	1045.0	1157.0	929.0	*	440.	105. AG	2275.	3.0	.0	44.0		
29. NBR	MD201	*	1276.0	839.0	1214.0	827.0	*	63.	259. AG	55.	3.0	.0	32.0		
30. NBR	MD201	*	1214.0	827.0	1170.0	793.0	*	56.	232. AG	55.	3.0	.0	32.0		
31. NBL	MD201	*	1149.0	910.0	1141.0	612.0	*	298.	182. AG	455.	3.0	.0	44.0		
32. NBL	MD201	*	1147.0	822.0	1122.9	-4.1	*	826.	182. AG	150.	100.0	.0	24.0	1.37	42.0
33. NBT&R	MD201	*	1173.0	916.0	1162.0	599.0	*	317.	182. AG	1360.	3.0	.0	44.0		
34. NBT&R	MD201	*	1170.0	823.0	1102.1	-1021.8	*	1846.	182. AG	113.	100.0	.0	24.0	1.26	93.8
35. NBALL	MD201	*	1156.0	599.0	1150.0	473.0	*	126.	183. AG	1815.	3.0	.0	56.0		
36. NBALL	MD201	*	1150.0	473.0	1120.0	348.0	*	129.	193. AG	1815.	3.0	.0	56.0		
37. NBALL	MD201	*	1120.0	348.0	1041.0	193.0	*	174.	207. AG	1815.	3.0	.0	56.0		
38. NBALL	MD201	*	1041.0	193.0	861.0	-52.0	*	304.	216. AG	1815.	3.0	.0	44.0		
39. NBDP	MD201	*	1372.0	1882.0	1286.0	1563.0	*	330.	195. AG	2270.	3.0	.0	56.0		
40. NBDP	MD201	*	1286.0	1563.0	1213.0	1203.0	*	367.	191. AG	2270.	3.0	.0	44.0		
41. NBDP	MD201	*	1213.0	1203.0	1170.0	919.0	*	287.	189. AG	2270.	3.0	.0	44.0		
42. SBL	MD201	*	1144.0	917.0	1180.0	1142.0	*	228.	9. AG	415.	3.2	.0	32.0		
43. SBL	MD201	*	1155.0	981.0	1404.5	2556.2	*	1595.	9. AG	69.	100.0	.0	12.0	1.44	81.0
44. SBT	MD201	*	1127.0	905.0	1167.0	1150.0	*	248.	9. AG	1430.	3.2	.0	44.0		

JOB: S12 MD410&amp;201 NB30PM

RUN: S12 MD410&amp;201 NB30PM

DATE: 01/11/2008 TIME: 11:48:47.82

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD201	*	1140.0	980.0	1298.4	1960.8	*	993.	9. AG	101.	100.0	.0	24.0	1.09	50.5
46. SBR	MD201	*	1070.0	980.0	1127.0	1030.0	*	76.	49. AG	190.	3.2	.0	32.0		
47. SBR	MD201	*	1127.0	1030.0	1153.0	1151.0	*	124.	12. AG	190.	3.2	.0	25.0		
48. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	190.	3.2	.0	32.0		
49. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	190.	3.2	.0	32.0		
50. SBR	MD201	*	929.0	993.0	1036.0	978.0	*	108.	98. AG	190.	3.2	.0	32.0		
51. SBR	MD201	*	1036.0	978.0	1070.0	981.0	*	34.	85. AG	190.	3.2	.0	32.0		
52. SBALL	MD201	*	1160.0	1154.0	1232.0	1516.0	*	369.	11. AG	2035.	3.2	.0	56.0		
53. SBALL	MD201	*	1232.0	1516.0	1331.0	1894.0	*	391.	15. AG	2035.	3.2	.0	56.0		
54. SBDP	MD201	*	813.0	-33.0	1016.0	226.0	*	329.	38. AG	2080.	3.2	.0	44.0		
55. SBDP	MD201	*	1016.0	226.0	1095.0	405.0	*	196.	24. AG	2080.	3.2	.0	44.0		
56. SBDP	MD201	*	1095.0	405.0	1122.0	589.0	*	186.	8. AG	2080.	3.2	.0	44.0		
57. SBDP	MD201	*	1120.0	590.0	1120.0	911.0	*	321.	360. AG	2080.	3.2	.0	44.0		

JOB: S12 MD410&amp;201 NB30PM

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## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	130	108	2.0	665	1660	32.10	1	3

4. EBT	MD410	*	130	82	2.0	1595	1711	32.10	1	3
8. EBR	MD410	*	130	82	2.0	495	1531	32.10	1	3
16. WBL	MD410	*	130	109	2.0	155	1711	32.10	1	3
19. WBT	MD410	*	130	86	2.0	1630	1711	32.10	1	3
32. NBL	MD201	*	130	113	2.0	455	1660	32.10	1	3
34. NBT&R	MD201	*	130	85	2.0	1360	1711	32.10	1	3
43. SBL	MD201	*	130	104	2.0	415	1711	32.10	1	3
45. SBT	MD201	*	130	76	2.0	1430	1711	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1217.0	802.0	5.0	*
2. SE 82E	*	1266.0	808.0	5.0	*
3. SE 164E	*	1348.0	792.0	5.0	*
4. SE 256E	*	1439.0	774.0	5.0	*
5. SE MIDE	*	1701.0	721.0	5.0	*
6. SE 82S	*	1189.0	744.0	5.0	*
7. SE 164S	*	1189.0	662.0	5.0	*
8. SE 256S	*	1189.0	574.0	5.0	*
9. SE MIDS	*	1098.0	233.0	5.0	*
10. NE COR	*	1229.0	958.0	5.0	*
11. NE 82E	*	1290.0	923.0	5.0	*
12. NE 164E	*	1368.0	903.0	5.0	*
13. NE 256E	*	1449.0	884.0	5.0	*
14. NE MIDE	*	1727.0	839.0	5.0	*
15. NE 82N	*	1217.0	1017.0	5.0	*
16. NE 164N	*	1228.0	1094.0	5.0	*
17. NE 256N	*	1241.0	1181.0	5.0	*
18. NE MIDN	*	1280.0	1355.0	5.0	*
19. SW COR	*	1073.0	842.0	5.0	*
20. SW 82W	*	1014.0	883.0	5.0	*
21. SW 164W	*	931.0	907.0	5.0	*
22. SW 256W	*	849.0	931.0	5.0	*
23. SW MIDW	*	564.0	1020.0	5.0	*
24. SW 82S	*	1093.0	794.0	5.0	*
25. SW 164S	*	1093.0	680.0	5.0	*
26. SW 256S	*	1093.0	621.0	5.0	*
27. SW MIDS	*	1027.0	317.0	5.0	*
28. NW COR	*	1084.0	1013.0	5.0	*
29. NW 82N	*	1117.0	1065.0	5.0	*
30. NW 164N	*	1134.0	1139.0	5.0	*
31. NW 256N	*	1149.0	1230.0	5.0	*
32. NW MIDN	*	1178.0	1380.0	5.0	*
33. NW 82W	*	1027.0	998.0	5.0	*
34. NW 164W	*	953.0	1015.0	5.0	*
35. NW 256W	*	849.0	1044.0	5.0	*
36. NW MIDW	*	567.0	1110.0	5.0	*

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JOB: S12 MD410&201 NB30PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.7	.5	.5	.5	.7	.6	.5	.8	.5	.2	.0	.0	.7	.6	.6	.6	.5	.7
5.	*	.6	.6	.4	.5	.5	.6	.4	.5	1.1	.4	.1	.0	.0	.6	.5	.5	.5	.6	.7
10.	*	.6	.5	.5	.5	.5	.7	.4	.3	.9	.2	.0	.0	.0	.4	.4	.4	.5	.6	.7
15.	*	.4	.5	.5	.4	.5	.4	.4	.1	.9	.0	.0	.0	.0	.4	.4	.3	.2	.7	.8
20.	*	.4	.5	.5	.5	.5	.3	.2	.1	1.0	.0	.0	.0	.0	.0	.1	.1	.1	.8	.8
25.	*	.4	.5	.5	.5	.5	.2	.2	.1	.9	.0	.0	.0	.0	.0	.0	.1	.0	.7	.8
30.	*	.4	.5	.4	.5	.5	.2	.1	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8
35.	*	.4	.5	.4	.5	.5	.2	.1	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0
40.	*	.4	.5	.5	.5	.5	.2	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.0
45.	*	.4	.4	.5	.5	.5	.2	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.4	.9
50.	*	.4	.5	.5	.5	.5	.2	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.3	.9
55.	*	.3	.5	.5	.5	.5	.2	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.3	.8
60.	*	.3	.5	.5	.5	.6	.2	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
65.	*	.3	.6	.5	.6	.6	.2	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
70.	*	.3	.6	.5	.7	.5	.2	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.8	.6
75.	*	.5	.6	.5	.6	.6	.2	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5
80.	*	.4	.4	.5	.6	.6	.2	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5
85.	*	.4	.4	.6	.7	.7	.2	.1	.1	.6	.0	.0	.0	.1	.0	.0	.0	.0	.8	.5
90.	*	.4	.4	.6	.6	.6	.1	.1	.1	.6	.0	.1	.1	.2	.0	.0	.0	.0	.7	.6
95.	*	.3	.4	.5	.6	.4	.1	.1	.1	.6	.1	.1	.1	.2	.3	.0	.0	.0	.8	.6
100.	*	.3	.4	.4	.5	.4	.1	.1	.1	.6	.2	.3	.2	.3	.3	.1	.0	.0	.9	.5
105.	*	.2	.4	.4	.5	.3	.1	.1	.0	.6	.2	.4	.4	.5	.5	.1	.1	.0	.8	.4
110.	*	.1	.2	.2	.2	.2	.1	.0	.0	.6	.4	.6	.5	.6	.6	.2	.1	.1	.0	.7
115.	*	.1	.2	.2	.2	.1	.0	.0	.0	.6	.5	.6	.7	.6	.6	.2	.1	.1	.0	.8
120.	*	.0	.0	.1	.1	.1	.0	.0	.0	.6	.5	.7	.6	.7	.6	.2	.1	.1	.7	.3
125.	*	.0	.0	.1	.0	.0	.0	.0	.0	.6	.5	.7	.6	.5	.5	.2	.1	.1	.7	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.7	.5	.5	.5	.3	.1	.1	.7	.3

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135. * .0 .0 .0 .0 .0 .0 .0 .0 .6 .5 .6 .5 .5 .5 .3 .1 .1 .1 .7 .3
140. * .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .6 .5 .5 .5 .3 .1 .1 .1 .7 .4
145. * .0 .0 .0 .0 .0 .0 .0 .0 .6 .5 .6 .5 .5 .5 .2 .1 .1 .1 .7 .4
150. * .0 .0 .0 .0 .0 .0 .0 .0 .6 .5 .7 .5 .5 .5 .2 .1 .1 .1 .8 .4
155. * .0 .0 .0 .0 .0 .0 .0 .0 .7 .5 .6 .5 .5 .5 .3 .1 .1 .1 .7 .4
160. * .0 .0 .0 .0 .0 .1 .0 .0 .7 .5 .5 .5 .4 .5 .3 .1 .1 .1 .7 .4
165. * .0 .0 .0 .0 .0 .2 .1 .1 .7 .5 .6 .5 .5 .5 .3 .1 .1 .0 .6 .3
170. * .1 .0 .0 .0 .0 .4 .3 .2 .6 .6 .6 .5 .5 .5 .2 .1 .0 .5 .2
175. * .2 .1 .0 .0 .0 .5 .3 .3 .5 .7 .6 .5 .5 .5 .3 .4 .0 .5 .2
180. * .3 .2 .0 .0 .0 .7 .7 .6 .4 .7 .7 .5 .4 .5 .4 .3 .2 .4 .2
185. * .4 .2 .1 .0 .0 .9 .9 .7 .4 .9 .8 .6 .4 .5 .9 .3 .3 .4 .0
190. * .6 .3 .2 .1 .0 .1 .0 .9 .2 .8 .8 .7 .5 .5 .9 .3 .4 .4 .0
195. * .7 .4 .2 .1 .0 .1 .1 .9 .2 .9 .9 .7 .5 .5 .8 .5 .4 .6 .0
200. * .7 .4 .2 .1 .0 .1 .2 .9 .0 .9 .1 .8 .6 .5 .6 .5 .7 .5 .0
205. * .8 .4 .2 .2 .0 .1 .3 .1 .2 .2 .8 .9 .7 .6 .5 .6 .4 .6 .0

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JOB: S12 MD410&201 NB30PM

RUN: S12 MD410&201 NB30PM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----
210. * .8 .4 .2 .2 .0 1.1 1.0 1.2 .2 .7 .9 .7 .6 .5 .4 .5 .6 .6 .0 .0
215. * .8 .5 .2 .2 .0 1.1 1.0 1.0 .2 .6 1.0 .7 .6 .5 .3 .5 .6 .6 .0 .0
220. * .6 .6 .2 .2 .0 1.0 1.0 .9 .3 .5 1.0 .7 .6 .5 .5 .6 .7 .7 .0 .0
225. * .6 .5 .2 .2 .0 1.0 1.0 .9 .3 .4 1.0 .7 .6 .5 .4 .7 .7 .7 .0 .0
230. * .6 .5 .2 .2 .0 1.0 .8 .9 .3 .3 1.0 .7 .6 .6 .5 .8 .8 .7 .0 .0
235. * .6 .5 .2 .2 .1 .9 .8 .9 .3 .4 1.0 .8 .7 .6 .7 .8 .8 .6 .0 .0
240. * .6 .5 .2 .2 .1 .8 .8 .9 .3 .5 .9 .9 .7 .7 .8 .8 .8 .6 .0 .0
245. * .6 .5 .2 .2 .1 .8 .8 .9 .4 .6 .7 .8 .8 .6 .9 .8 .7 .6 .0 .0
250. * .6 .4 .2 .2 .1 .8 .8 .9 .3 .6 .6 .8 .7 .6 .9 .8 .8 .7 .0 .0
255. * .6 .4 .3 .2 .1 .8 .8 .9 .3 .7 .6 .7 .6 .5 1.0 .8 .8 .7 .0 .0
260. * .6 .4 .3 .2 .1 .8 .8 .9 .3 .6 .8 .7 .6 .5 1.0 .8 .7 .7 .0 .0
265. * .6 .4 .3 .3 .0 .8 .8 .9 .4 .7 .7 .8 .8 .5 .9 .7 .7 .6 .0 .0
270. * .6 .4 .4 .3 .1 .8 .8 .9 .4 .9 .7 .8 .7 .5 .9 .7 .7 .5 .0 .1
275. * .8 .6 .5 .5 .3 .8 .8 .9 .3 .9 .9 .7 .5 .6 .9 .7 .7 .5 .2 .3
280. * .7 .8 .3 .4 .5 .9 .8 1.0 .3 .7 .9 .5 .6 .4 .7 .7 .5 .5 .2 .6
285. * .8 .8 .5 .5 .5 1.0 .9 .9 .3 .7 .6 .5 .5 .4 .7 .5 .5 .5 .7
290. * .9 .9 .6 .6 .6 1.0 1.0 .9 .3 .6 .4 .5 .4 .3 .7 .5 .5 .6 1.1
295. * 1.0 .8 .7 .7 .5 1.0 1.0 1.0 .3 .5 .5 .3 .1 .0 .5 .5 .6 .5 1.4
300. * .9 .8 .6 .7 .5 1.1 1.0 1.0 .3 .4 .2 .2 .0 .0 .5 .5 .5 .5 .8 1.3
305. * .8 .6 .9 .5 .7 1.2 1.0 1.1 .3 .4 .2 .2 .0 .0 .5 .5 .6 .5 .7 1.2
310. * .7 .4 .6 .5 .7 1.2 1.0 1.1 .3 .5 .2 .2 .1 .0 .5 .6 .6 .5 .7 1.2
315. * .7 .3 .6 .5 .6 1.4 1.1 1.1 .3 .5 .2 .2 .1 .0 .6 .6 .6 .5 .6 1.2
320. * .6 .4 .8 .5 .5 1.4 1.2 1.1 .3 .5 .3 .2 .1 .0 .6 .6 .6 .5 .6 1.1
325. * .3 .6 .8 .6 .5 1.3 1.2 1.1 .4 .5 .3 .1 .1 .0 .6 .6 .6 .6 1.1
330. * .3 .7 .9 .6 .5 1.2 1.3 1.2 .4 .5 .3 .1 .1 .0 .6 .6 .7 .6 1.1
335. * .5 .7 .6 .6 .5 .9 1.1 1.0 .3 .5 .3 .1 .1 .0 .7 .6 .6 .6 1.0
340. * .5 .8 .6 .6 .5 .7 .9 .9 .3 .5 .3 .1 .1 .0 .7 .6 .6 .6 1.0
345. * .7 .8 .6 .6 .5 .8 .8 .8 .4 .6 .4 .1 .1 .0 .6 .7 .6 .7 .9
350. * .5 .8 .6 .5 .5 .9 .9 .8 .4 .5 .2 .1 .0 .0 .6 .7 .6 .7 .8
355. * .6 .8 .6 .5 .5 .8 .7 .8 .7 .5 .2 .1 .0 .0 .7 .7 .6 .5 .4 .7
360. * .6 .7 .5 .5 .5 .7 .6 .5 .8 .5 .2 .0 .0 .0 .7 .6 .6 .6 .5 .7
-----
MAX * 1.0 .9 .9 .7 .7 1.4 1.3 1.2 1.1 .9 1.0 .9 .8 .7 1.0 .8 .8 .7 .9 1.4
DEGR. * 295 290 305 70 85 315 330 205 5 185 215 240 245 240 255 230 230 220 100 295

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JOB: S12 MD410&201 NB30PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36
-----
0. * .8 .8 1.0 .6 .3 .4 .0 .1 .2 .4 .4 .3 .0 .0 .0 .0
5. * .9 .9 1.0 .8 .5 .5 .1 .2 .4 .5 .5 .6 .0 .0 .0 .0
10. * .8 .9 1.0 .9 .6 .8 .4 .3 .4 .6 .6 .7 .1 .0 .0 .0
15. * .8 .9 1.0 .9 .6 .8 .4 .4 .6 .8 .8 .8 .2 .0 .0 .0
20. * .9 .9 1.0 .8 .8 .8 .5 .5 .7 .8 .8 .9 .3 .1 .0 .0
25. * 1.0 .9 1.0 .8 .7 .8 .5 .5 .7 .8 .8 1.2 .3 .1 .0 .0
30. * 1.0 .9 1.0 .5 .7 .9 .6 .6 .8 .8 .8 1.2 .3 .2 .0 .0
35. * 1.0 1.0 .9 .4 .8 .9 .7 .6 .8 .7 .8 1.1 .3 .3 .1 .0
40. * 1.0 1.0 1.0 .4 .9 1.0 .7 .5 .8 .7 .8 .8 .3 .2 .1 .0
45. * 1.0 1.0 1.0 .5 .9 .9 .6 .5 .6 .8 .8 .8 .2 .2 .1 .0
50. * 1.1 1.1 1.0 .7 .9 .9 .6 .5 .6 .8 .8 .8 .3 .1 .1 .0
55. * 1.1 1.1 1.0 .7 .9 .9 .6 .5 .5 .7 .7 .7 .4 .1 .1 .0
60. * 1.3 1.2 1.0 .7 .9 .9 .6 .5 .5 .7 .7 .7 .4 .1 .1 .0
65. * 1.2 1.3 1.1 .8 .9 .9 .7 .5 .5 .7 .7 .7 .4 .1 .1 .0
70. * 1.1 1.3 1.2 .9 .9 .9 .6 .5 .5 .6 .6 .7 .4 .1 .1 .0
75. * 1.1 1.3 1.2 .8 .9 .9 .6 .5 .5 .6 .6 .7 .4 .2 .1 .1
80. * 1.1 1.2 1.4 .8 .9 .9 .6 .5 .5 .6 .6 .7 .3 .2 .1 .1
85. * 1.0 1.2 1.4 .8 .9 .9 .6 .5 .5 .6 .6 .7 .3 .2 .0 .1
90. * .9 1.2 1.3 .7 .9 .9 .6 .5 .5 .5 .6 .7 .4 .3 .1 .1

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95.	*	.7	1.1	1.2	.8	.9	.9	.6	.5	.5	.5	.6	.7	.4	.2	.2	.4
100.	*	.6	.7	1.1	.8	.9	.8	.6	.5	.6	.5	.6	.7	.5	.2	.2	.6
105.	*	.4	.6	1.0	.8	.9	.7	.6	.6	.6	.6	.6	.7	.6	.3	.4	.9
110.	*	.4	.4	.7	.8	.8	.8	.6	.6	.6	.6	.8	.7	.6	.4	.4	.9
115.	*	.3	.5	.5	.8	.8	.8	.6	.6	.7	.6	.8	.7	.6	.4	.7	1.1
120.	*	.3	.1	.3	.8	.8	.8	.6	.6	.7	.6	.7	.8	.5	.5	.8	1.0
125.	*	.3	.2	.1	.8	.8	.9	.6	.5	.7	.6	.7	.8	.4	.7	.7	1.0
130.	*	.3	.2	.1	.8	.8	.9	.6	.6	.7	.6	.7	.8	.4	.7	.8	1.0
135.	*	.3	.2	.1	.8	.7	.9	.6	.6	.7	.7	.8	.8	.5	.9	1.1	1.1
140.	*	.3	.2	.1	.9	.7	.8	.6	.5	.7	.7	.8	.8	.7	1.0	1.1	1.0
145.	*	.2	.2	.0	.9	.8	.8	.6	.3	.7	.8	.8	.8	.7	.9	1.0	.9
150.	*	.2	.2	.0	.9	.8	.8	.6	.5	.8	.8	.8	.9	.8	.9	1.1	.9
155.	*	.2	.2	.0	.9	.9	.9	.6	.6	.5	.8	.8	.9	.9	.9	1.0	1.0
160.	*	.2	.2	.0	.8	.9	.9	.5	.6	.6	.7	.8	.8	.9	.8	1.0	1.0
165.	*	.2	.2	.0	.8	.9	.9	.5	.6	.6	.9	.8	1.0	1.0	.9	1.0	.9
170.	*	.2	.1	.0	.8	.8	.8	.5	.6	.6	.8	1.0	1.0	.9	.8	.9	.9
175.	*	.1	.0	.0	.7	.7	.8	.4	.6	.7	.8	1.0	1.1	.8	.8	.7	.9
180.	*	.0	.0	.0	.6	.6	.6	.6	.6	.7	.7	.9	1.0	.8	.6	.7	.9
185.	*	.0	.0	.0	.4	.5	.4	.5	.6	.5	.5	.9	1.0	.8	.6	.7	.9
190.	*	.0	.0	.0	.3	.4	.3	.4	.6	.5	.5	.6	.7	.6	.7	.7	.9
195.	*	.0	.0	.0	.2	.1	.2	.4	.4	.3	.4	.4	.4	.6	.7	.7	.9
200.	*	.0	.0	.0	.0	.0	.0	.3	.4	.3	.2	.3	.3	.6	.7	.7	.9
205.	*	.0	.0	.0	.0	.0	.0	.3	.5	.3	.3	.2	.2	.6	.7	.7	.9

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JOB: S12 MD410&201 NB30PM

RUN: S12 MD410&201 NB30PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.2	.5	.3	.3	.2	.2	.6	.7	.7	.9
215.	*	.0	.0	.0	.0	.0	.0	.2	.5	.3	.3	.2	.2	.6	.7	.6	.9
220.	*	.0	.0	.0	.0	.0	.0	.1	.5	.3	.3	.2	.1	.6	.8	.7	.9
225.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.1	.7	.8	.7	.9
230.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.1	.7	.8	.7	1.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.1	.8	.9	.8	1.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.1	.9	.9	.8	1.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.1	.9	.9	.8	1.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.2	.2	.9	.9	.8	1.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.2	1.0	.9	.8	1.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.2	.2	.9	.9	1.0	1.1
265.	*	.0	.0	.2	.0	.0	.0	.0	.6	.4	.2	.2	.1	.9	.9	.9	1.1
270.	*	.1	.2	.3	.0	.0	.0	.0	.5	.2	.2	.2	.0	.9	1.1	.9	1.1
275.	*	.3	.2	.5	.0	.0	.0	.0	.5	.2	.2	.1	.0	1.0	.9	.9	1.0
280.	*	.6	.7	.7	.2	.0	.0	.0	.4	.2	.2	.0	.0	.9	.9	.7	1.0
285.	*	.8	1.0	1.0	.2	.0	.0	.0	.3	.2	.0	.0	.0	.6	.8	.6	.8
290.	*	1.0	1.1	1.1	.2	.2	.1	.0	.2	.0	.0	.0	.0	.3	.4	.4	.5
295.	*	1.3	1.2	1.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	.3	.3	.3	.4
300.	*	1.5	1.4	1.3	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2
305.	*	1.4	1.4	1.3	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
310.	*	1.2	1.3	1.3	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
315.	*	1.2	1.3	1.3	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	1.2	1.2	1.2	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	1.2	1.2	1.1	.5	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	1.2	1.2	1.0	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	1.1	1.2	1.0	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	1.0	1.1	1.0	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	1.0	1.0	1.0	.4	.3	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
350.	*	.9	1.0	1.0	.5	.2	.2	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0
355.	*	.8	.8	1.0	.5	.2	.2	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0
360.	*	.8	.8	1.0	.6	.3	.4	.0	.1	.2	.4	.4	.3	.0	.0	.0	.0
MAX DEGR.	*	1.5	1.4	1.4	.9	.9	1.0	.7	.6	.8	.9	1.0	1.2	1.0	1.1	1.1	1.1
		300	300	80	10	40	40	35	30	30	165	170	25	275	270	135	115

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC21.  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 315 DEGREES FROM REC6 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 295 DEGREES FROM REC20.

S12 410&201 LBRT 2030AM				60.0321.0.0000.000360.30480000	1	1
SE COR		335164.	471081.	5.0		
SE 82S		335147.	471029.	5.0		
SE 164S		335148.	470946.	5.0		
SE 256S		335148.	470862.	5.0		
SE MIDS		335145.	470710.	5.0		
SE 82E		335223.	471085.	5.0		
SE 164E		335306.	471060.	5.0		
SE 256E		335383.	471039.	5.0		
SE MIDE		335665.	470987.	5.0		
NE COR		335193.	471253.	5.0		
NE 82N		335187.	471316.	5.0		
NE 164N		335204.	471401.	5.0		
NE 256N		335207.	471489.	5.0		
NE MIDN		335262.	471780.	5.0		
NE 82E		335243.	471230.	5.0		
NE 164E		335325.	471209.	5.0		
NE 256E		335406.	471189.	5.0		
NE MIDE		335678.	471145.	5.0		
SW COR		335031.	471127.	5.0		
SW 82S		335048.	471070.	5.0		
SW 164S		335049.	470999.	5.0		
SW 256S		335048.	470923.	5.0		
SW MIDS		335042.	470711.	5.0		
SW 82W		334979.	471168.	5.0		
SW 164W		334896.	471192.	5.0		
SW 256W		334823.	471211.	5.0		
SW MIDW		334609.	471258.	5.0		
NW COR		335028.	471298.	5.0		
NW 82N		335060.	471344.	5.0		
NW 164N		335077.	471429.	5.0		
NW 256N		335092.	471505.	5.0		
NW MIDN		335149.	471783.	5.0		
NW 82W		334970.	471290.	5.0		
NW 164W		334887.	471314.	5.0		
NW 256W		334809.	471339.	5.0		
NW MIDW		334612.	471375.	5.0		
S12 410&201 LBRT 2030AM				61	1	0
1						
EBL	MD410	AG335098.471196.334749.471287.	345	3.3	0.	44 40
2						
EBL	MD410	AG335037.471212.334873.471254.	0.	24	2	
160	137	2.0 345 32.1 1717 1 3				
1						
EBT&R	MD410	AG335098.471172.334738.471259.	1320	3.3	0.	44 40
2						
EBT	MD410	AG335029.471188.334859.471231.	0.	36	3	
160	98	2.0 1320 32.1 1707 1 3				
1						
EBALL	MD410	AG334729.471266.334123.471372.	1665	3.3	0.	44 40
1						
EBDP	MD410	AG336088.471006.335809.471021.	1120	3.3	0.	56 40
1						
EBDP	MD410	AG335809.471021.335558.471052.	1120	3.3	0.	56 40
1						
EBDP	MD410	AG335558.471052.335338.471099.	1120	3.3	0.	56 40
1						
EBDP	MD410	AG335338.471099.335097.471165.	1120	3.3	0.	56 40
1						
WBL	MD410	AG335099.471184.335402.471113.	50	3.0	0.	32 34
2						
WBL	MD410	AG335152.471171.335304.471136.	0.	12	1	
160	147	2.0 50 32.1 1770 1 3				
1						
WBT	MD410	AG335107.471202.335487.471112.	1675	3.0	0.	44 34
2						
WBT	MD410	AG335164.471188.335396.471133.	0.	24	2	
160	109	2.0 1675 32.1 1770 1 3				
1						
WBR	MD410	AG335151.471256.335204.471198.	550	3.0	0.	32 34
1						
WBR	MD410	AG335204.471198.335488.471129.	550	3.0	0.	32 34
1						
WBALL	MD410	AG335487.471118.335719.471081.	2275	3.0	0.	56 34
1						
WBALL	MD410	AG335719.471081.335974.471059.	2275	3.0	0.	56 34
1						
WBALL	MD410	AG335974.471059.336097.471059.	2275	3.0	0.	56 34
1						
WBDP	MD410	AG334136.471439.334790.471313.	2415	3.0	0.	56 34
1						
WBDP	MD410	AG334790.471313.335117.471214.	2415	3.0	0.	56 34
1						
NBL	MD201	AG335103.471187.335103.470844.	405	3.0	0.	44 30
2						
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2	
160	136	2.0 405 32.1 1717 1 3				
1						
NBT&R	MD201	AG335127.471184.335127.470844.	935	3.0	0.	44 30
2						
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2	
160	92	2.0 935 32.1 1770 1 3				
1						
NBR	MD201	AG335215.471131.335128.471086.	40	3.0	0.	32 30
1						

NBALL	MD201	AG335117.470845.335128.470197.	1340	3.0	0.	56	30
1							
NBDP	MD201	AG335351.472166.335281.471962.	1790	3.0	0.	44	30
1							
NBDP	MD201	AG335281.471962.335220.471692.	1790	3.0	0.	44	30
1							
NBDP	MD201	AG335220.471692.335134.471213.	1790	3.0	0.	44	30
1							
SBL	MD201	AG335116.471204.335153.471436.	125	3.2	0.	32	23
2							
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1		
160	138	2.0 125 32.1 1770 1 3					
1							
SBT	MD201	AG335099.471207.335138.471435.	1815	3.2	0.	44	23
2							
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2		
160	94	2.0 1815 32.1 1770 1 3					
1							
SBR	MD201	AG335081.471226.335119.471436.	335	3.2	0.	32	23
2							
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1		
160	13	2.0 335 32.1 1583 1 3					
1							
SBALL	MD201	AG335136.471437.335203.471800.	2275	3.2	0.	44	23
1							
SBALL	MD201	AG335203.471800.335240.471959.	2275	3.2	0.	44	23
1							
SBALL	MD201	AG335240.471959.335319.472174.	2275	3.2	0.	44	23
1							
SBDP	MD201	AG335061.470196.335076.471195.	1960	3.2	0.	44	23
1							
EBDP	201BUS	AG336082.470984.335797.470998.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335797.470998.335580.471026.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335580.471026.335336.471072.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335336.471072.335103.471135.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335103.471135.335067.471158.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335067.471158.335054.471207.	34	0.3	0.	32	40
1							
SBL	201BUS	AG335057.471207.335075.471326.	34	0.4	0.	32	40
1							
SBL	201BUS	AG335075.471326.335118.471555.	34	0.4	0.	32	40
2							
SBL	201BUS	AG335079.471347.335100.471461.	0.	12	1		
160	138	2.0 34 4.4 1583 1 3					
1							
SBL	201BUS	AG335118.471555.335164.471805.	34	0.4	0.	32	40
1							
SBL	201BUS	AG335164.471805.335210.471984.	34	0.4	0.	32	40
1							
SBL	201BUS	AG335210.471984.335279.472178.	34	0.4	0.	32	40
1							
SBDP	201BUS	AG335291.472178.335216.471957.	34	0.4	0.	32	23
1							
SBDP	201BUS	AG335216.471957.335170.471772.	34	0.4	0.	32	23
1							
SBDP	201BUS	AG335170.471772.335079.471276.	34	0.4	0.	32	23
1							
SBDP	201BUS	AG335079.471276.335092.471242.	34	0.4	0.	32	23
1							
WBR	410BUS	AG335093.471241.335242.471200.	34	0.4	0.	32	30
1							
WBR	410BUS	AG335242.471200.335481.471144.	1	0.4	0.	32	30
2							
WBR	410BUS	AG335252.471198.335381.471167.	0.	12	1		
160	120	2.0 1 4.4 1583 1 3					
1							
WBR	410BUS	AG335481.471144.335641.471115.	34	0.4	0.	32	30
1							
WBR	410BUS	AG335641.471115.335869.471088.	34	0.4	0.	32	30
1							
WBR	410BUS	AG335869.471088.336099.471080.	34	0.4	0.	32	30
1.0	04	1000 0Y 5 0 72					

JOB: S12 410&201 LBRT 2030AM  
 DATE: 01/11/2008 TIME: 13:53:36.52

RUN: S12 410&201 LBRT 2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1.	EBL	MD410	* 335098.0	471196.0	334749.0	471287.0	*	361.	285. AG	345.	3.3	.0	44.0		
2.	EBL	MD410	* 335037.0	471212.0	334892.8	471248.9	*	149.	284. AG	147.	100.0	.0	24.0	.85	7.6
3.	EET&R	MD410	* 335098.0	471172.0	334738.0	471259.0	*	370.	284. AG	1320.	3.3	.0	44.0		
4.	EET	MD410	* 335029.0	471188.0	334800.4	471245.8	*	236.	284. AG	158.	100.0	.0	36.0	.71	12.0
5.	EBALL	MD410	* 334729.0	471266.0	334123.0	471372.0	*	615.	280. AG	1665.	3.3	.0	44.0		
6.	EBDP	MD410	* 336088.0	471006.0	335809.0	471021.0	*	279.	273. AG	1120.	3.3	.0	56.0		
7.	EBDP	MD410	* 335809.0	471021.0	335558.0	471052.0	*	253.	277. AG	1120.	3.3	.0	56.0		
8.	EBDP	MD410	* 335558.0	471052.0	335338.0	471099.0	*	225.	282. AG	1120.	3.3	.0	56.0		
9.	EBDP	MD410	* 335338.0	471099.0	335097.0	471165.0	*	250.	285. AG	1120.	3.3	.0	56.0		
10.	WBL	MD410	* 335099.0	471184.0	335402.0	471113.0	*	311.	103. AG	50.	3.0	.0	32.0		
11.	WBL	MD410	* 335152.0	471171.0	335191.3	471161.9	*	40.	103. AG	79.	100.0	.0	12.0	.51	2.0
12.	WBT	MD410	* 335107.0	471202.0	335487.0	471112.0	*	391.	103. AG	1675.	3.0	.0	44.0		
13.	WBT	MD410	* 335164.0	471188.0	338867.9	470309.8	*	3807.	103. AG	117.	100.0	.0	24.0	1.61	193.4
14.	WBR	MD410	* 335151.0	471256.0	335204.0	471198.0	*	79.	138. AG	550.	3.0	.0	32.0		
15.	WBR	MD410	* 335204.0	471198.0	335488.0	471129.0	*	292.	104. AG	550.	3.0	.0	32.0		
16.	WBALL	MD410	* 335487.0	471118.0	335719.0	471081.0	*	235.	99. AG	2275.	3.0	.0	56.0		
17.	WBALL	MD410	* 335719.0	471081.0	335974.0	471059.0	*	256.	95. AG	2275.	3.0	.0	56.0		
18.	WBALL	MD410	* 335974.0	471059.0	336097.0	471059.0	*	123.	90. AG	2275.	3.0	.0	56.0		
19.	WBDP	MD410	* 334136.0	471439.0	334790.0	471313.0	*	666.	101. AG	2415.	3.0	.0	56.0		
20.	WBDP	MD410	* 334790.0	471313.0	335117.0	471214.0	*	342.	107. AG	2415.	3.0	.0	56.0		
21.	NBL	MD201	* 335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	405.	3.0	.0	44.0		
22.	NBL	MD201	* 335103.0	471079.0	335103.0	470882.7	*	196.	180. AG	146.	100.0	.0	24.0	.94	10.0
23.	NBT&R	MD201	* 335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	935.	3.0	.0	44.0		
24.	NBT&R	MD201	* 335127.0	471081.0	335127.0	470846.1	*	235.	180. AG	99.	100.0	.0	24.0	.66	11.9
25.	NBR	MD201	* 335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	40.	3.0	.0	32.0		
26.	NBALL	MD201	* 335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1340.	3.0	.0	56.0		
27.	NBDP	MD201	* 335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	1790.	3.0	.0	44.0		
28.	NBDP	MD201	* 335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	1790.	3.0	.0	44.0		
29.	NBDP	MD201	* 335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	1790.	3.0	.0	44.0		
30.	SBL	MD201	* 335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	125.	3.2	.0	32.0		
31.	SBL	MD201	* 335124.0	471252.0	335138.7	471345.8	*	95.	9. AG	74.	100.0	.0	12.0	.63	4.8
32.	SBT	MD201	* 335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1815.	3.2	.0	44.0		
33.	SBT	MD201	* 335110.0	471271.0	335576.6	474051.0	*	2819.	10. AG	101.	100.0	.0	24.0	1.32	143.2
34.	SBR	MD201	* 335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	335.	3.2	.0	32.0		
35.	SBR	MD201	* 335092.0	471287.0	335096.4	471310.4	*	24.	11. AG	7.	100.0	.0	12.0	.24	1.2
36.	SBALL	MD201	* 335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2275.	3.2	.0	44.0		
37.	SBALL	MD201	* 335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2275.	3.2	.0	44.0		
38.	SBALL	MD201	* 335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2275.	3.2	.0	44.0		
39.	SBDP	MD201	* 335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1960.	3.2	.0	44.0		
40.	EBDP	201BUS	* 336082.0	470984.0	335797.0	470998.0	*	285.	273. AG	34.	.3	.0	32.0		
41.	EBDP	201BUS	* 335797.0	470998.0	335580.0	471026.0	*	219.	277. AG	34.	.3	.0	32.0		
42.	EBDP	201BUS	* 335580.0	471026.0	33536.0	471072.0	*	248.	281. AG	34.	.3	.0	32.0		
43.	EBDP	201BUS	* 335336.0	471072.0	335103.0	471135.0	*	241.	285. AG	34.	.3	.0	32.0		
44.	EBDP	201BUS	* 335103.0	471135.0	335067.0	471158.0	*	43.	303. AG	34.	.3	.0	32.0		

JOB: S12 410&201 LBRT 2030AM  
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RUN: S12 410&201 LBRT 2030AM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45.	EBDP	201BUS	* 335067.0	471158.0	335054.0	471207.0	*	51.	345. AG	34.	.3	.0	32.0		
46.	SBL	201BUS	* 335057.0	471207.0	335075.0	471326.0	*	120.	9. AG	34.	.4	.0	32.0		
47.	SBL	201BUS	* 335075.0	471326.0	335118.0	471555.0	*	233.	11. AG	34.	.4	.0	32.0		
48.	SBL	201BUS	* 335079.0	471347.0	335083.6	471372.2	*	26.	10. AG	10.	100.0	.0	12.0	.19	1.3
49.	SBL	201BUS	* 335118.0	471555.0	335164.0	471805.0	*	254.	10. AG	34.	.4	.0	32.0		
50.	SBL	201BUS	* 335164.0	471805.0	335210.0	471984.0	*	185.	14. AG	34.	.4	.0	32.0		
51.	SBL	201BUS	* 335210.0	471984.0	335279.0	472178.0	*	206.	20. AG	34.	.4	.0	32.0		
52.	SBDP	201BUS	* 335291.0	472178.0	335216.0	471957.0	*	233.	199. AG	34.	.4	.0	32.0		
53.	SBDP	201BUS	* 335216.0	471957.0	335170.0	471772.0	*	191.	194. AG	34.	.4	.0	32.0		
54.	SBDP	201BUS	* 335170.0	471772.0	335079.0	471276.0	*	504.	190. AG	34.	.4	.0	32.0		
55.	SBDP	201BUS	* 335079.0	471276.0	335092.0	471242.0	*	36.	159. AG	34.	.4	.0	32.0		
56.	WBR	410BUS	* 335093.0	471241.0	335242.0	471200.0	*	155.	105. AG	34.	.4	.0	32.0		
57.	WBR	410BUS	* 335242.0	471200.0	335481.0	471144.0	*	245.	103. AG	1.	.4	.0	32.0		
58.	WBR	410BUS	* 335252.0	471198.0	335252.1	471198.0	*	0.	51. AG	1.	100.0	.0	12.0	.00	.0
59.	WBR	410BUS	* 335481.0	471144.0	335641.0	471115.0	*	163.	100. AG	34.	.4	.0	32.0		
60.	WBR	410BUS	* 335641.0	471115.0	335869.0	471088.0	*	230.	97. AG	34.	.4	.0	32.0		
61.	WBR	410BUS	* 335869.0	471088.0	336099.0	471080.0	*	230.	92. AG	34.	.4	.0	32.0		

JOB: S12 410&201 LBRT 2030AM  
 DATE: 01/11/2008 TIME: 13:53:36.52

RUN: S12 410&201 LBRT 2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
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RECEPTOR LOCATIONS  
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## MODEL RESULTS

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

[illegible]



50.	*	.3	.2	.1	.1	.1	.4	.3	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4
55.	*	.3	.2	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
60.	*	.3	.2	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
65.	*	.4	.1	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
70.	*	.4	.1	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
75.	*	.4	.1	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
80.	*	.4	.1	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
85.	*	.3	.1	.1	.1	.1	.5	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5
90.	*	.2	.1	.1	.1	.1	.4	.4	.3	.2	.0	.0	.0	.0	.0	.1	.1	.1	.0	.6
95.	*	.2	.1	.1	.1	.0	.3	.3	.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	.2	.5
100.	*	.2	.1	.1	.1	.0	.2	.3	.2	.2	.1	.1	.0	.0	.0	.2	.2	.3	.2	.5
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.2	.3	.3	.3	.6
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.1	.0	.4	.4	.4	.3	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.2	.1	.1	.0	.4	.5	.4	.3	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.4	.5	.4	.3	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.1	.4	.4	.4	.3	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.1	.1	.3	.3	.4	.3	.6
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.3	.4	.4	.6
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.4	.3	.4	.6
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.4	.4	.4	.7
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.4	.4	.4	.7
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.3	.3	.4	.4	.6
160.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.3	.4	.4	.6
165.	*	.0	.2	.0	.1	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.3	.4	.4	.6
170.	*	.0	.2	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.2	.0	.4	.3	.4	.4	.6
175.	*	.1	.3	.3	.1	.2	.0	.0	.0	.0	.4	.2	.1	.2	.1	.4	.3	.4	.4	.6
180.	*	.2	.6	.4	.2	.2	.0	.0	.0	.0	.4	.2	.1	.1	.2	.4	.3	.4	.4	.6
185.	*	.4	.7	.5	.3	.3	.0	.0	.0	.0	.6	.5	.3	.2	.3	.4	.3	.4	.4	.6
190.	*	.5	.7	.5	.3	.3	.1	.0	.0	.0	.6	.6	.2	.3	.4	.4	.3	.4	.5	.6
195.	*	.5	.8	.6	.3	.3	.1	.0	.0	.0	.6	.5	.3	.5	.5	.7	.4	.4	.4	.6
200.	*	.6	.8	.7	.3	.3	.2	.0	.0	.0	.6	.3	.2	.6	.5	.7	.4	.3	.4	.6
205.	*	.6	.9	.6	.3	.3	.3	.0	.0	.0	.5	.3	.4	.5	.6	.7	.4	.3	.4	.6

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JOB: S12 410&201 LBRT 2030AM

RUN: S12 410&201 LBRT 2030AM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.7	.9	.6	.3	.3	.3	.1	.0	.0	.4	.2	.5	.5	.7	.7	.5	.3	.5	.0	.0
215.	*	.6	.9	.7	.4	.3	.3	.1	.0	.0	.3	.4	.5	.7	.7	.7	.7	.3	.4	.0	.0
220.	*	.6	.9	.7	.4	.3	.3	.1	.0	.0	.2	.5	.7	.6	.6	.6	.7	.3	.4	.0	.0
225.	*	.6	.9	.7	.4	.2	.3	.2	.0	.0	.2	.6	.8	.7	.6	.6	.7	.3	.4	.0	.0
230.	*	.6	.8	.7	.5	.2	.3	.3	.0	.0	.3	.7	.7	.7	.6	.4	.5	.4	.4	.0	.0
235.	*	.6	.8	.8	.5	.2	.3	.3	.0	.0	.3	.8	.7	.7	.6	.3	.5	.4	.4	.0	.0
240.	*	.6	.8	.8	.5	.2	.3	.3	.0	.0	.4	.8	.7	.5	.6	.3	.4	.5	.4	.0	.0
245.	*	.6	.8	.8	.5	.2	.3	.2	.2	.0	.6	.8	.6	.5	.5	.3	.4	.4	.4	.0	.0
250.	*	.6	.8	.8	.4	.2	.3	.2	.2	.0	.6	.8	.6	.5	.5	.3	.3	.4	.4	.0	.0
255.	*	.6	.8	.8	.5	.2	.3	.2	.2	.0	.6	.7	.3	.5	.5	.4	.3	.4	.3	.0	.0
260.	*	.6	.8	.8	.5	.2	.3	.2	.2	.0	.6	.7	.3	.5	.4	.5	.3	.3	.3	.0	.0
265.	*	.4	.8	.8	.5	.2	.3	.2	.2	.0	.6	.6	.3	.5	.4	.4	.4	.4	.4	.0	.0
270.	*	.4	.8	.8	.5	.2	.3	.2	.1	.0	.5	.6	.3	.5	.4	.5	.4	.3	.4	.0	.0
275.	*	.4	.8	.8	.5	.2	.1	.1	.0	.0	.6	.6	.3	.5	.5	.5	.5	.4	.3	.0	.0
280.	*	.5	.8	.8	.6	.2	.2	.1	.0	.1	.8	.5	.3	.5	.5	.5	.2	.4	.1	.1	.0
285.	*	.3	.8	.8	.6	.2	.2	.1	.1	.1	.5	.5	.3	.5	.6	.3	.1	.0	.1	.1	.0
290.	*	.4	.8	.8	.6	.2	.4	.2	.2	.1	.5	.4	.3	.5	.5	.4	.0	.0	.0	.3	.0
295.	*	.5	.9	.8	.6	.2	.6	.3	.3	.2	.4	.4	.4	.5	.5	.3	.1	.0	.0	.4	.2
300.	*	.6	.9	.8	.7	.2	.5	.3	.2	.3	.4	.4	.3	.5	.5	.3	.1	.0	.0	.5	.2
305.	*	.6	.8	.9	.7	.2	.4	.3	.3	.4	.4	.5	.3	.5	.5	.3	.1	.1	.0	.7	.2
310.	*	.6	1.1	.9	.7	.2	.4	.4	.3	.4	.4	.5	.4	.5	.5	.3	.1	.1	.0	.6	.3
315.	*	.6	1.1	.9	.8	.2	.2	.3	.3	.4	.4	.5	.5	.5	.5	.3	.1	.1	.0	.6	.5
320.	*	.5	1.1	1.0	1.0	.3	.3	.3	.4	.4	.4	.5	.5	.5	.5	.3	.1	.1	.0	.7	.5
325.	*	.3	.9	1.1	1.0	.3	.3	.4	.4	.4	.4	.5	.5	.6	.5	.3	.2	.1	.0	.7	.5
330.	*	.3	.9	1.2	1.0	.3	.5	.4	.4	.4	.3	.5	.5	.6	.5	.2	.2	.1	.0	.7	.5
335.	*	.4	.7	1.0	1.0	.4	.6	.4	.4	.4	.4	.6	.5	.6	.5	.2	.1	.1	.0	.7	.5
340.	*	.5	.5	.7	.9	.5	.5	.4	.4	.4	.5	.6	.5	.6	.5	.3	.1	.1	.0	.6	.4
345.	*	.6	.4	.7	.9	.5	.5	.4	.4	.4	.5	.5	.5	.6	.5	.3	.1	.1	.0	.6	.4
350.	*	.5	.5	.7	.8	.4	.5	.4	.4	.4	.4	.5	.5	.5	.6	.3	.1	.1	.0	.6	.5
355.	*	.5	.5	.5	.8	.5	.5	.4	.4	.3	.4	.5	.5	.5	.7	.3	.1	.1	.0	.5	.6
360.	*	.6	.4	.5	.5	.4	.5	.4	.4	.4	.4	.5	.5	.5	.7	.1	.1	.1	.0	.5	.6
MAX	*	.7	1.1	1.2	1.0	.5	.6	.4	.4	.4	.8	.8	.8	.7	.7	.7	.7	.5	.5	.7	.7
DEGR.	*	210	310	330	320	340	295	0	0	0	280	235	225	225	0	195	215	240	190	20	145

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JOB: S12 410&201 LBRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																				
ANGLE *	(PPM)																			
(DEGR)*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																			
0.	*	.4	.3	.4	.8	.7	.6	.3	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
5.	*	.3	.5	.6	.9	.9	.7	.3	.1	.1	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0

10.	*	.4	.5	.6	.9	1.0	.7	.3	.1	.3	.3	.3	.2	.1	.0	.0	.0
15.	*	.5	.5	.6	.9	1.0	.8	.3	.3	.3	.3	.3	.3	.1	.1	.0	.0
20.	*	.6	.7	.5	.9	1.0	.8	.3	.3	.3	.3	.3	.5	.1	.1	.1	.0
25.	*	.5	.6	.5	.9	1.0	.8	.3	.3	.4	.4	.3	.5	.2	.1	.1	.0
30.	*	.4	.6	.5	1.0	1.0	.8	.3	.4	.4	.5	.4	.5	.2	.1	.1	.0
35.	*	.5	.7	.5	1.1	1.0	.8	.3	.4	.5	.5	.5	.3	.2	.1	.1	.0
40.	*	.7	.8	.3	1.1	1.1	.8	.3	.5	.5	.5	.5	.5	.2	.1	.1	.0
45.	*	.6	.7	.3	1.1	1.1	.8	.3	.4	.5	.5	.5	.5	.3	.2	.1	.0
50.	*	.6	.7	.3	1.0	1.1	.9	.3	.3	.4	.5	.5	.4	.2	.1	.1	.0
55.	*	.6	.7	.4	1.0	1.2	1.0	.3	.3	.4	.4	.5	.4	.2	.1	.1	.0
60.	*	.6	.7	.4	.9	1.2	1.0	.3	.3	.4	.4	.5	.4	.3	.1	.1	.0
65.	*	.6	.6	.4	.7	1.0	1.2	.3	.3	.4	.4	.5	.5	.3	.1	.1	.0
70.	*	.6	.6	.4	.5	1.0	1.1	.3	.3	.4	.4	.5	.5	.3	.1	.1	.0
75.	*	.6	.6	.4	.6	1.0	1.1	.4	.3	.4	.4	.5	.5	.3	.1	.1	.1
80.	*	.6	.6	.4	.6	1.1	1.1	.5	.4	.4	.4	.5	.5	.3	.1	.1	.1
85.	*	.6	.6	.4	.6	1.0	1.2	.5	.4	.4	.5	.5	.4	.2	.2	.1	.1
90.	*	.6	.6	.4	.7	.9	1.1	.6	.4	.4	.5	.5	.4	.4	.2	.1	.1
95.	*	.6	.6	.3	.7	1.0	1.0	.6	.5	.4	.4	.5	.4	.4	.2	.2	.4
100.	*	.6	.6	.3	.6	.6	.8	.5	.5	.6	.4	.5	.5	.3	.3	.3	.4
105.	*	.6	.5	.3	.3	.4	.6	.4	.5	.6	.5	.5	.5	.6	.3	.4	.6
110.	*	.5	.5	.3	.2	.4	.4	.2	.6	.6	.5	.5	.5	.6	.5	.5	.6
115.	*	.5	.5	.3	.2	.3	.3	.1	.5	.7	.5	.5	.5	.5	.5	.6	.6
120.	*	.6	.5	.3	.2	.3	.1	.0	.5	.7	.5	.5	.6	.5	.6	.6	.6
125.	*	.6	.4	.3	.3	.2	.1	.0	.4	.6	.5	.5	.6	.5	.7	.7	.4
130.	*	.6	.4	.3	.3	.3	.1	.0	.4	.6	.5	.5	.6	.5	.7	.7	.4
135.	*	.5	.4	.3	.3	.3	.2	.0	.4	.6	.5	.5	.6	.6	.8	.7	.5
140.	*	.6	.5	.3	.3	.2	.1	.0	.2	.6	.5	.5	.4	.7	.9	.7	.4
145.	*	.6	.4	.4	.3	.2	.1	.0	.2	.5	.5	.6	.5	.9	1.0	.7	.4
150.	*	.6	.4	.4	.3	.1	.1	.0	.3	.3	.5	.6	.5	1.0	1.0	.6	.4
155.	*	.6	.4	.4	.3	.1	.0	.0	.4	.3	.6	.6	.5	1.0	.9	.5	.3
160.	*	.6	.4	.4	.2	.1	.0	.0	.5	.3	.5	.5	.9	.8	.5	.5	.3
165.	*	.5	.4	.4	.2	.1	.0	.0	.6	.4	.3	.4	.5	.9	.8	.5	.3
170.	*	.5	.4	.4	.1	.0	.0	.0	.8	.5	.3	.4	.5	.8	.6	.5	.3
175.	*	.4	.4	.3	.1	.0	.0	.0	.7	.3	.3	.3	.5	.8	.6	.4	.3
180.	*	.3	.3	.2	.1	.0	.0	.0	.6	.3	.4	.3	.4	.8	.6	.4	.3
185.	*	.2	.2	.2	.0	.0	.0	.0	.6	.4	.2	.3	.4	.7	.6	.4	.3
190.	*	.2	.2	.1	.0	.0	.0	.0	.7	.4	.3	.1	.2	.7	.5	.4	.3
195.	*	.1	.1	.1	.0	.0	.0	.0	.7	.4	.3	.2	.2	.7	.5	.4	.3
200.	*	.1	.1	.1	.0	.0	.0	.0	.7	.3	.3	.3	.1	.7	.5	.4	.3
205.	*	.1	.1	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.7	.5	.4	.3

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JOB: S12 410&201 LBRT 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.7	.5	.2	.3
215.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.7	.5	.2	.3
220.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.7	.5	.2	.3
225.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.1	.0	.7	.5	.2	.3
230.	*	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.7	.4	.4	.4
235.	*	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.7	.4	.4	.4
240.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.7	.4	.4	.4
245.	*	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.7	.4	.4	.4
250.	*	.0	.0	.0	.0	.0	.0	.6	.2	.0	.1	.0	.7	.3	.4	.4
255.	*	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.5	.4	.4
260.	*	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.4	.5
265.	*	.0	.0	.0	.0	.0	.1	.4	.2	.1	.0	.0	.6	.4	.4	.5
270.	*	.0	.0	.0	.1	.0	.1	.2	.1	.1	.0	.0	.6	.5	.4	.5
275.	*	.0	.0	.0	.2	.3	.1	.2	.1	.0	.0	.0	.5	.5	.4	.4
280.	*	.0	.0	.0	.3	.4	.3	.2	.2	.1	.0	.0	.3	.5	.3	.3
285.	*	.0	.0	.0	.6	.5	.3	.2	.0	.0	.0	.0	.3	.3	.2	.3
290.	*	.0	.0	.0	.6	.6	.4	.3	.1	.0	.0	.0	.3	.2	.2	.2
295.	*	.0	.0	.0	.6	.7	.4	.4	.0	.0	.0	.0	.2	.2	.1	.1
300.	*	.0	.0	.0	1.0	.7	.4	.3	.0	.0	.0	.0	.1	.2	.1	.1
305.	*	.0	.0	.0	1.0	.8	.5	.3	.0	.0	.0	.0	.1	.1	.0	.1
310.	*	.1	.0	.0	1.0	.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.0	.0	1.0	.9	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.1	.0	1.0	.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.1	.0	.9	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.3	.1	.0	.9	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.3	.1	.0	.9	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.4	.3	.0	.9	.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.3	.1	.8	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.4	.3	.1	.8	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.6	.3	.2	.8	.8	.6	.3	.0	.0	.0	.1	.0	.0	.0	.0
360.	*	.4	.3	.4	.8	.7	.6	.3	.1	.1	.1	.1	.0	.0	.0	.0

MAX	*	.7	.8	.6	1.1	1.2	1.2	.6	.8	.7	.6	.6	.6	1.0	1.0	.7	.6
DEGR.	*	40	40	5	35	55	65	90	170	115	155	145	120	150	145	125	105

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 330 DEGREES FROM REC3.

THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 55 DEGREES FROM REC25.

THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 65 DEGREES FROM REC26.

S12	410&201	LBRT	2030PM		60.0321.0.0000.000360.30480000		1	1	
SE	COR		335164.	471081.	5.0				
SE	82S		335147.	471029.	5.0				
SE	164S		335148.	470946.	5.0				
SE	256S		335148.	470862.	5.0				
SE	MIDS		335145.	470710.	5.0				
SE	82E		335223.	471085.	5.0				
SE	164E		335306.	471060.	5.0				
SE	256E		335383.	471039.	5.0				
SE	MIDE		335665.	470987.	5.0				
NE	COR		335193.	471253.	5.0				
NE	82N		335187.	471316.	5.0				
NE	164N		335204.	471401.	5.0				
NE	256N		335207.	471489.	5.0				
NE	MIDN		335262.	471780.	5.0				
NE	82E		335243.	471230.	5.0				
NE	164E		335325.	471209.	5.0				
NE	256E		335406.	471189.	5.0				
NE	MIDE		335678.	471145.	5.0				
SW	COR		335031.	471127.	5.0				
SW	82S		335048.	471070.	5.0				
SW	164S		335049.	470999.	5.0				
SW	256S		335048.	470923.	5.0				
SW	MIDS		335042.	470711.	5.0				
SW	82W		334979.	471168.	5.0				
SW	164W		334896.	471192.	5.0				
SW	256W		334823.	471211.	5.0				
SW	MIDW		334609.	471258.	5.0				
NW	COR		335028.	471298.	5.0				
NW	82N		335060.	471344.	5.0				
NW	164N		335077.	471429.	5.0				
NW	256N		335092.	471505.	5.0				
NW	MIDN		335149.	471783.	5.0				
NW	82W		334970.	471290.	5.0				
NW	164W		334887.	471314.	5.0				
NW	256W		334809.	471339.	5.0				
NW	MIDW		334612.	471375.	5.0				
S12	410&201	LBRT	2030PM		61	1	0		
EBL	MD410		AG335098.471196.334749.471287.		665	3.3	0.	44	40
EBL	MD410		AG335037.471212.334873.471254.		0.	24	2		
EBT&R	MD410		AG335098.471172.334738.471259.		2090	3.3	0.	44	40
EBT	MD410		AG335029.471188.334859.471231.		0.	36	3		
EBALL	MD410		AG334729.471266.334123.471372.		2755	3.3	0.	44	40
EBDP	MD410		AG336088.471006.335809.471021.		2065	3.3	0.	56	40
EBDP	MD410		AG335809.471021.335558.471052.		2065	3.3	0.	56	40
EBDP	MD410		AG335558.471052.335338.471099.		2065	3.3	0.	56	40
EBDP	MD410		AG335338.471099.335097.471165.		2065	3.3	0.	56	40
WBL	MD410		AG335099.471184.335402.471113.		155	3.0	0.	32	34
WBL	MD410		AG335152.471171.335304.471136.		0.	12	1		
WBT	MD410		AG335107.471202.335487.471112.		1630	3.0	0.	44	34
WBT	MD410		AG335164.471188.335396.471133.		0.	24	2		
WBR	MD410		AG335151.471256.335204.471198.		550	3.0	0.	32	34
WBR	MD410		AG335204.471198.335488.471129.		550	3.0	0.	32	34
WBALL	MD410		AG335487.471118.335719.471081.		2085	3.0	0.	56	34
WBALL	MD410		AG335719.471081.335974.471059.		2085	3.0	0.	56	34
WB									

NBALL	MD201	AG335117.470845.335128.470197.	1815	3.0	0.	56	30
1							
NBDP	MD201	AG335351.472166.335281.471962.	2270	3.0	0.	44	30
1							
NBDP	MD201	AG335281.471962.335220.471692.	2270	3.0	0.	44	30
1							
NBDP	MD201	AG335220.471692.335134.471213.	2270	3.0	0.	44	30
1							
SBL	MD201	AG335116.471204.335153.471436.	415	3.2	0.	32	23
2							
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1		
180	143	2.0 415 32.1 1770 1 3					
1							
SBT	MD201	AG335099.471207.335138.471435.	1430	3.2	0.	44	23
2							
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2		
180	123	2.0 1430 32.1 1770 1 3					
1							
SBR	MD201	AG335081.471226.335119.471436.	190	3.2	0.	32	23
2							
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1		
180	14	2.0 190 32.1 1583 1 3					
1							
SBALL	MD201	AG335136.471437.335203.471800.	2035	3.2	0.	44	23
1							
SBALL	MD201	AG335203.471800.335240.471959.	2035	3.2	0.	44	23
1							
SBALL	MD201	AG335240.471959.335319.472174.	2035	3.2	0.	44	23
1							
SBDP	MD201	AG335061.470196.335076.471195.	2080	3.2	0.	44	23
1							
EBDP	201BUS	AG336082.470984.335797.470998.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335797.470998.335580.471026.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335580.471026.335336.471072.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335336.471072.335103.471135.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335103.471135.335067.471158.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335067.471158.335054.471207.	34	0.3	0.	32	40
1							
SBL	201BUS	AG335057.471207.335075.471326.	34	0.4	0.	32	40
1							
SBL	201BUS	AG335075.471326.335118.471555.	34	0.4	0.	32	40
2							
SBL	201BUS	AG335079.471347.335100.471461.	0.	12	1		
180	143	2.0 34 4.4 1583 1 3					
1							
SBL	201BUS	AG335118.471555.335164.471805.	34	0.4	0.	32	40
1							
SBL	201BUS	AG335164.471805.335210.471984.	34	0.4	0.	32	40
1							
SBL	201BUS	AG335210.471984.335279.472178.	34	0.4	0.	32	40
1							
SBDP	201BUS	AG335291.472178.335216.471957.	34	0.4	0.	32	23
1							
SBDP	201BUS	AG335216.471957.335170.471772.	34	0.4	0.	32	23
1							
SBDP	201BUS	AG335170.471772.335079.471276.	34	0.4	0.	32	23
1							
SBDP	201BUS	AG335079.471276.335092.471242.	34	0.4	0.	32	23
1							
WBR	410BUS	AG335093.471241.335242.471200.	34	0.4	0.	32	30
1							
WBR	410BUS	AG335242.471200.335481.471144.	34	0.4	0.	32	30
2							
WBR	410BUS	AG335252.471198.335381.471167.	0.	12	1		
150	115	2.0 1 4.4 1583 1 3					
1							
WBR	410BUS	AG335481.471144.335641.471115.	34	0.4	0.	32	30
1							
WBR	410BUS	AG335641.471115.335869.471088.	34	0.4	0.	32	30
1							
WBR	410BUS	AG335869.471088.336099.471080.	34	0.4	0.	32	30
1.0	04	1000 0Y 5 0 72					

JOB: S12 410&201 LBRT 2030PM  
DATE: 01/11/2008 TIME: 14:01:15.92

RUN: S12 410&201 LBRT 2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1.	EBL	MD410	* 335098.0	471196.0	334749.0	471287.0	*	361.	285. AG	665.	3.3	.0	44.0		
2.	EBL	MD410	* 335037.0	471212.0	333873.4	471509.9	*	1201.	284. AG	144.	100.0	.0	24.0	1.34	61.0
3.	EBT&R	MD410	* 335098.0	471172.0	334738.0	471259.0	*	370.	284. AG	2090.	3.3	.0	44.0		
4.	EBT	MD410	* 335029.0	471188.0	333343.2	471614.0	*	1739.	284. AG	165.	100.0	.0	36.0	1.20	88.3
5.	EBALL	MD410	* 334729.0	471266.0	334123.0	471372.0	*	615.	280. AG	2755.	3.3	.0	44.0		
6.	EBDP	MD410	* 336088.0	471006.0	335809.0	471021.0	*	279.	273. AG	2065.	3.3	.0	56.0		
7.	EBDP	MD410	* 335809.0	471021.0	335558.0	471052.0	*	253.	277. AG	2065.	3.3	.0	56.0		
8.	EBDP	MD410	* 335558.0	471052.0	335338.0	471099.0	*	225.	282. AG	2065.	3.3	.0	56.0		
9.	EBDP	MD410	* 335338.0	471099.0	335097.0	471165.0	*	250.	285. AG	2065.	3.3	.0	56.0		
10.	WBL	MD410	* 335099.0	471184.0	335402.0	471113.0	*	311.	103. AG	155.	3.0	.0	32.0		
11.	WBL	MD410	* 335152.0	471171.0	335280.4	471141.4	*	132.	103. AG	73.	100.0	.0	12.0	.69	6.7
12.	WBT	MD410	* 335107.0	471202.0	335487.0	471112.0	*	391.	103. AG	1630.	3.0	.0	44.0		
13.	WBT	MD410	* 335164.0	471188.0	338182.4	470472.4	*	3102.	103. AG	113.	100.0	.0	24.0	1.43	157.6
14.	WBR	MD410	* 335151.0	471256.0	335204.0	471198.0	*	79.	138. AG	550.	3.0	.0	32.0		
15.	WBR	MD410	* 335204.0	471198.0	335488.0	471129.0	*	292.	104. AG	550.	3.0	.0	32.0		
16.	WBALL	MD410	* 335487.0	471118.0	335719.0	471081.0	*	235.	99. AG	2085.	3.0	.0	56.0		
17.	WBALL	MD410	* 335719.0	471081.0	335974.0	471059.0	*	256.	95. AG	2085.	3.0	.0	56.0		
18.	WBALL	MD410	* 335974.0	471059.0	336097.0	471059.0	*	123.	90. AG	2085.	3.0	.0	56.0		
19.	WBDP	MD410	* 334136.0	471439.0	334790.0	471313.0	*	666.	101. AG	2275.	3.0	.0	56.0		
20.	WBDP	MD410	* 334790.0	471313.0	335117.0	471214.0	*	342.	107. AG	2275.	3.0	.0	56.0		
21.	NBL	MD201	* 335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	455.	3.0	.0	44.0		
22.	NBL	MD201	* 335103.0	471079.0	335103.0	470634.6	*	444.	180. AG	147.	100.0	.0	24.0	1.09	22.6
23.	NBT&R	MD201	* 335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	1360.	3.0	.0	44.0		
24.	NBT&R	MD201	* 335127.0	471081.0	335127.0	468811.3	*	2270.	180. AG	119.	100.0	.0	24.0	1.33	115.3
25.	NBR	MD201	* 335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	55.	3.0	.0	32.0		
26.	NBALL	MD201	* 335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1815.	3.0	.0	56.0		
27.	NBDP	MD201	* 335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	2270.	3.0	.0	44.0		
28.	NBDP	MD201	* 335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	2270.	3.0	.0	44.0		
29.	NBDP	MD201	* 335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	2270.	3.0	.0	44.0		
30.	SBL	MD201	* 335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	415.	3.2	.0	32.0		
31.	SBL	MD201	* 335124.0	471252.0	335329.9	472567.6	*	1332.	9. AG	68.	100.0	.0	12.0	1.28	67.6
32.	SBT	MD201	* 335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1430.	3.2	.0	44.0		
33.	SBT	MD201	* 335110.0	471271.0	335530.7	473777.5	*	2542.	10. AG	118.	100.0	.0	24.0	1.37	129.1
34.	SBR	MD201	* 335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	190.	3.2	.0	32.0		
35.	SBR	MD201	* 335092.0	471287.0	335094.7	471301.3	*	15.	11. AG	7.	100.0	.0	12.0	.13	.7
36.	SBALL	MD201	* 335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2035.	3.2	.0	44.0		
37.	SBALL	MD201	* 335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2035.	3.2	.0	44.0		
38.	SBALL	MD201	* 335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2035.	3.2	.0	44.0		
39.	SBDP	MD201	* 335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	2080.	3.2	.0	44.0		
40.	EBDP	201BUS	* 336082.0	470984.0	335797.0	470998.0	*	285.	273. AG	34.	.3	.0	32.0		
41.	EBDP	201BUS	* 335797.0	470998.0	335580.0	471026.0	*	219.	277. AG	34.	.3	.0	32.0		
42.	EBDP	201BUS	* 335580.0	471026.0	33536.0	471072.0	*	248.	281. AG	34.	.3	.0	32.0		
43.	EBDP	201BUS	* 335336.0	471072.0	335103.0	471135.0	*	241.	285. AG	34.	.3	.0	32.0		
44.	EBDP	201BUS	* 335103.0	471135.0	335067.0	471158.0	*	43.	303. AG	34.	.3	.0	32.0		

JOB: S12 410&201 LBRT 2030PM  
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RUN: S12 410&201 LBRT 2030PM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45.	EBDP	201BUS	* 335067.0	471158.0	335054.0	471207.0	*	51.	345. AG	34.	.3	.0	32.0		
46.	SBL	201BUS	* 335057.0	471207.0	335075.0	471326.0	*	120.	9. AG	34.	.4	.0	32.0		
47.	SBL	201BUS	* 335075.0	471326.0	335118.0	471555.0	*	233.	11. AG	34.	.4	.0	32.0		
48.	SBL	201BUS	* 335079.0	471347.0	335083.8	471373.1	*	27.	10. AG	9.	100.0	.0	12.0	.12	1.4
49.	SBL	201BUS	* 335118.0	471555.0	335164.0	471805.0	*	254.	10. AG	34.	.4	.0	32.0		
50.	SBL	201BUS	* 335164.0	471805.0	335210.0	471984.0	*	185.	14. AG	34.	.4	.0	32.0		
51.	SBL	201BUS	* 335210.0	471984.0	335279.0	472178.0	*	206.	20. AG	34.	.4	.0	32.0		
52.	SBDP	201BUS	* 335291.0	472178.0	335216.0	471957.0	*	233.	199. AG	34.	.4	.0	32.0		
53.	SBDP	201BUS	* 335216.0	471957.0	335170.0	471772.0	*	191.	194. AG	34.	.4	.0	32.0		
54.	SBDP	201BUS	* 335170.0	471772.0	335079.0	471276.0	*	504.	190. AG	34.	.4	.0	32.0		
55.	SBDP	201BUS	* 335079.0	471276.0	335092.0	471242.0	*	36.	159. AG	34.	.4	.0	32.0		
56.	WBR	410BUS	* 335093.0	471241.0	335242.0	471200.0	*	155.	105. AG	34.	.4	.0	32.0		
57.	WBR	410BUS	* 335242.0	471200.0	335481.0	471144.0	*	245.	103. AG	34.	.4	.0	32.0		
58.	WBR	410BUS	* 335252.0	471198.0	335252.6	471197.9	*	1.	102. AG	9.	100.0	.0	12.0	.00	.0
59.	WBR	410BUS	* 335481.0	471144.0	335641.0	471115.0	*	163.	100. AG	34.	.4	.0	32.0		
60.	WBR	410BUS	* 335641.0	471115.0	335869.0	471088.0	*	230.	97. AG	34.	.4	.0	32.0		
61.	WBR	410BUS	* 335869.0	471088.0	336099.0	471080.0	*	230.	92. AG	34.	.4	.0	32.0		

JOB: S12 410&201 LBRT 2030PM  
DATE: 01/11/2008 TIME: 14:01:15.92

RUN: S12 410&201 LBRT 2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
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RECEPTOR LOCATIONS

1

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1

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## WIND ANGLE RANGE: 0.-360.

[illegible]

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50. * .4 .3 .1 .1 .0 .4 .4 .3 .5 .0 .0 .0 .0 .0 .0 .0 .0 .4 .6
55. * .4 .3 .1 .1 .1 .5 .3 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .5 .6
60. * .3 .2 .1 .1 .1 .5 .5 .5 .5 .0 .0 .0 .0 .0 .0 .0 .0 .6 .6
65. * .3 .2 .1 .1 .1 .5 .5 .5 .5 .0 .0 .0 .0 .0 .0 .0 .0 .6 .6
70. * .4 .2 .1 .1 .1 .5 .5 .5 .5 .0 .0 .0 .0 .0 .0 .0 .0 .5 .7
75. * .4 .2 .1 .1 .1 .6 .5 .5 .5 .0 .0 .0 .0 .0 .0 .0 .0 .5 .8
80. * .5 .2 .1 .1 .1 .6 .5 .6 .5 .0 .0 .0 .0 .0 .0 .0 .0 .7 .7
85. * .4 .2 .1 .1 .1 .4 .5 .5 .4 .0 .0 .0 .0 .0 .0 .0 .0 .7 .7
90. * .4 .1 .1 .1 .0 .4 .4 .4 .4 .0 .0 .0 .0 .0 .1 .1 .1 .7 .7
95. * .4 .1 .1 .1 .0 .4 .3 .4 .3 .1 .0 .0 .0 .0 .1 .1 .1 .2 .6 .7
100. * .2 .1 .1 .0 .0 .4 .3 .4 .2 .1 .1 .0 .0 .0 .2 .2 .3 .2 .6 .7
105. * .1 .1 .0 .0 .0 .2 .2 .1 .1 .2 .1 .1 .0 .0 .2 .3 .3 .3 .5 .7
110. * .1 .0 .0 .0 .0 .1 .1 .1 .1 .2 .1 .1 .1 .0 .3 .3 .3 .4 .5 .6
115. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .1 .1 .1 .0 .4 .5 .5 .4 .5 .7
120. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .2 .1 .1 .0 .5 .6 .5 .4 .5 .8
125. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .1 .1 .1 .0 .4 .4 .5 .4 .5 .8
130. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .1 .1 .1 .0 .4 .4 .5 .5 .5 .8
135. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .2 .1 .1 .0 .4 .4 .5 .5 .6 .8
140. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .2 .1 .1 .0 .4 .4 .4 .5 .6 .9
145. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .2 .1 .1 .0 .4 .4 .4 .5 .7 .9
150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .1 .1 .0 .4 .4 .4 .5 .7 .9
155. * .0 .0 .0 .0 .2 .0 .0 .0 .0 .5 .3 .1 .1 .0 .4 .4 .4 .4 .7 .9
160. * .0 .2 .1 .1 .2 .0 .0 .0 .0 .5 .3 .1 .1 .0 .4 .4 .4 .4 .6 .9
165. * .1 .3 .3 .3 .3 .0 .0 .0 .0 .5 .3 .1 .2 .0 .5 .4 .4 .4 .6 .9
170. * .1 .5 .5 .3 .5 .0 .0 .0 .0 .6 .4 .2 .2 .1 .5 .4 .4 .4 .7 .8
175. * .3 .7 .6 .6 .6 .1 .0 .0 .0 .6 .5 .2 .3 .1 .6 .4 .4 .3 .5 .8
180. * .7 1.1 .8 .8 .8 .1 .1 .0 .0 .7 .5 .3 .3 .3 .6 .5 .4 .3 .5
185. * .8 1.1 1.0 1.1 1.0 .3 .1 .1 .0 .8 .7 .5 .5 .4 .7 .5 .5 .4 .3 .4
190. * .9 1.3 1.2 1.1 1.1 .5 .1 .1 .0 .9 .9 .4 .7 .7 .9 .5 .5 .4 .1 .4
195. * .9 1.3 1.3 1.3 1.1 .5 .1 .1 .0 .9 .7 .4 .8 .7 .9 .5 .5 .4 .0 .1
200. * .9 1.1 1.2 1.2 1.1 .4 .1 .1 .0 .7 .5 .5 .8 .7 .8 .6 .5 .4 .0 .1
205. * .8 1.1 1.2 1.2 1.2 .5 .3 .1 .1 .7 .5 .6 .6 .8 .8 .7 .5 .4 .0 .0

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JOB: S12 410&201 LBRT 2030PM

RUN: S12 410&201 LBRT 2030PM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
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210. * .8 1.1 1.1 1.2 1.0 .6 .3 .1 .1 .7 .4 .6 .7 .8 .9 .7 .6 .4 .0 .0
215. * .8 1.1 1.1 1.2 1.0 .6 .3 .2 .1 .5 .3 .5 .8 .9 .9 .7 .6 .5 .0 .0
220. * .8 1.0 1.0 1.0 1.1 .6 .3 .2 .1 .3 .5 .7 .9 .9 .9 .8 .6 .4 .0 .0
225. * .8 1.0 1.0 1.0 1.0 .6 .3 .2 .0 .4 .7 .8 1.0 .8 .8 .8 .6 .4 .0 .0
230. * .7 1.0 1.0 1.0 1.0 .5 .3 .2 .0 .4 .9 1.0 1.0 .9 .5 .8 .6 .4 .0 .0
235. * .7 .9 .9 1.0 1.0 .5 .3 .2 .0 .4 .9 1.0 .9 .9 .4 .7 .6 .5 .0 .0
240. * .6 .9 .9 1.0 1.0 .4 .3 .2 .0 .5 .9 .9 .9 .9 .4 .5 .6 .5 .0 .0
245. * .6 .9 .9 1.0 1.0 .4 .3 .2 .0 .5 .9 .9 .8 .8 .4 .5 .5 .4 .0 .0
250. * .6 .9 .9 1.0 1.0 .4 .3 .2 .0 .5 1.0 .9 .8 .7 .4 .5 .4 .4 .0 .0
255. * .6 .9 .9 .9 1.0 .4 .3 .2 .0 .7 1.0 .8 .8 .7 .6 .6 .4 .4 .0 .0
260. * .6 .9 .9 .9 1.0 .4 .3 .2 .0 .8 1.2 .8 .8 .7 .6 .5 .5 .4 .0 .0
265. * .5 .9 .9 .9 1.0 .4 .3 .2 .0 .8 1.1 .8 .8 .6 .6 .5 .6 .6 .0 .0
270. * .5 .9 .9 .9 1.0 .5 .4 .2 .0 .9 1.2 .8 .8 .6 .7 .7 .5 .6 .1 .0
275. * .5 .9 .9 .9 1.0 .4 .5 .1 .1 .9 .9 .8 .7 .6 .7 .7 .5 .3 .2 .1
280. * .7 1.0 .9 .9 1.0 .6 .3 .3 .3 .9 .8 .8 .6 .6 .6 .4 .5 .3 .4 .1
285. * .7 1.1 1.0 .9 1.0 .7 .5 .4 .4 .8 .8 .6 .6 .7 .5 .5 .2 .3 .6 .4
290. * .9 1.2 1.1 1.0 1.0 .8 .5 .4 .5 .8 .7 .6 .6 .7 .5 .3 .2 .1 .9 .4
295. * .8 1.2 1.1 1.1 1.1 .9 .6 .3 .5 .7 .6 .5 .6 .6 .4 .4 .1 .0 .9 .4
300. * .9 1.3 1.2 1.1 1.1 .8 .6 .4 .4 .5 .6 .6 .6 .6 .3 .2 .1 .0 .8 .8
305. * .8 1.2 1.2 1.2 1.1 .6 .7 .6 .5 .5 .6 .6 .6 .6 .4 .2 .1 .0 .9 .6
310. * .8 1.4 1.3 1.2 1.2 .6 .7 .4 .5 .5 .6 .6 .6 .6 .4 .2 .1 .0 .9 .6
315. * .7 1.4 1.3 1.2 1.2 .5 .5 .4 .5 .6 .6 .6 .6 .6 .3 .2 .1 .0 .9 .6
320. * .7 1.3 1.3 1.2 1.3 .4 .5 .5 .5 .6 .6 .6 .6 .6 .3 .2 .1 .0 .9 .6
325. * .6 1.2 1.3 1.2 1.3 .5 .7 .5 .5 .6 .6 .6 .7 .7 .3 .2 .1 .0 .8 .6
330. * .3 1.1 1.3 1.3 1.4 .7 .7 .5 .5 .6 .6 .6 .7 .7 .3 .2 .1 .0 .8 .5
335. * .4 .9 1.1 1.3 1.4 .7 .7 .4 .5 .6 .7 .6 .7 .7 .3 .2 .1 .0 .7 .5
340. * .4 .8 .9 1.2 1.4 .8 .6 .4 .5 .6 .6 .6 .7 .7 .4 .2 .1 .0 .7 .5
345. * .7 .6 1.0 .9 1.2 .8 .6 .4 .5 .6 .7 .6 .7 .7 .4 .1 .1 .0 .6 .5
350. * .7 .7 .8 1.0 1.2 .8 .5 .5 .5 .6 .7 .6 .8 .7 .4 .1 .1 .0 .5 .5
355. * .6 .7 .8 .9 1.2 .8 .5 .5 .4 .6 .7 .6 .8 .8 .3 .1 .1 .0 .5 .6
360. * .7 .8 .9 .7 1.1 .8 .5 .5 .4 .5 .6 .6 .9 .8 .3 .1 .1 .0 .5 .6
-----*-----
MAX * .9 1.4 1.3 1.3 1.4 .9 .7 .6 .5 .9 1.2 1.0 1.0 .9 .9 .8 .6 .9 .9
DEGR. * 190 310 195 195 330 295 305 80 35 270 260 230 225 215 210 220 210 265 290 20

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JOB: S12 410&201 LBRT 2030PM

RUN: S12 410&201 LBRT 2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36
-----*-----
0. * .5 .3 .4 1.0 1.0 1.0 1.0 .1 .1 .1 .1 .0 .0 .0 .0
5. * .5 .5 .6 1.1 1.0 1.0 1.0 .1 .1 .1 .1 .3 .1 .0 .0

```

10.	*	.7	.7	.7	1.1	1.1	1.0	1.0	.1	.4	.4	.4	.3	.1	.0	.0	.0
15.	*	.6	.7	.7	1.2	1.1	1.1	1.0	.4	.4	.4	.4	.5	.1	.1	.0	.0
20.	*	.7	.8	.8	1.3	1.1	1.1	1.0	.4	.6	.5	.5	.6	.2	.1	.1	.0
25.	*	.6	.8	.9	1.3	1.1	1.1	1.0	.5	.6	.6	.6	.6	.2	.1	.1	.0
30.	*	.6	.7	.9	1.3	1.1	1.1	1.1	.5	.5	.7	.7	.6	.3	.1	.1	.1
35.	*	.8	.9	.9	1.2	1.1	1.1	1.1	.5	.5	.6	.7	.6	.3	.1	.1	.1
40.	*	.9	1.0	.9	1.3	1.1	1.1	1.1	.5	.6	.6	.6	.6	.4	.1	.1	.1
45.	*	.9	1.0	.8	1.3	1.2	1.2	1.1	.5	.6	.5	.6	.6	.3	.1	.1	.1
50.	*	.8	.9	.7	1.1	1.2	1.2	1.2	.5	.5	.5	.6	.6	.3	.1	.1	.1
55.	*	.8	.9	.7	1.1	1.3	1.2	1.2	.5	.5	.5	.6	.5	.3	.1	.1	.1
60.	*	.8	.9	.8	.9	1.4	1.5	1.2	.5	.5	.5	.5	.5	.2	.1	.1	.0
65.	*	.8	.9	.8	.8	1.5	1.5	1.2	.5	.5	.5	.5	.6	.2	.1	.1	.0
70.	*	.7	.7	.7	.6	1.2	1.5	1.2	.5	.5	.5	.5	.6	.2	.1	.1	.0
75.	*	.8	.8	.7	.8	1.2	1.4	1.3	.4	.5	.5	.5	.6	.2	.1	.1	.1
80.	*	.8	.8	.7	.8	1.2	1.2	1.5	.4	.5	.5	.5	.6	.2	.1	.1	.1
85.	*	.8	.8	.7	.8	1.1	1.3	1.4	.4	.5	.5	.5	.5	.2	.2	.2	.1
90.	*	.9	.8	.7	.8	1.1	1.3	1.2	.4	.5	.5	.5	.5	.4	.2	.2	.1
95.	*	.9	.8	.6	.7	.9	1.1	1.2	.5	.5	.5	.5	.5	.4	.3	.2	.5
100.	*	.8	.8	.6	.7	.7	.8	.9	.5	.6	.5	.5	.5	.3	.3	.3	.6
105.	*	.7	.7	.6	.4	.7	.7	.7	.5	.6	.6	.5	.5	.5	.3	.4	.8
110.	*	.7	.7	.6	.4	.4	.4	.6	.6	.6	.6	.6	.5	.5	.4	.6	1.0
115.	*	.8	.8	.7	.3	.4	.3	.2	.6	.6	.6	.6	.5	.6	.5	.7	1.0
120.	*	.8	.8	.7	.3	.4	.3	.1	.7	.6	.6	.6	.5	.6	.7	.8	1.0
125.	*	.8	.8	.7	.3	.3	.3	.0	.6	.7	.6	.6	.5	.6	.8	.8	1.1
130.	*	.8	.7	.7	.3	.3	.3	.0	.5	.7	.6	.6	.6	.7	.7	.8	1.1
135.	*	.9	.8	.7	.3	.3	.3	.0	.5	.7	.6	.6	.6	.8	.9	.9	1.1
140.	*	.9	.9	.7	.3	.3	.3	.1	.2	.6	.6	.6	.7	.7	1.1	1.0	1.0
145.	*	.9	.9	.7	.3	.3	.3	.1	.2	.6	.6	.6	.6	1.0	1.1	1.1	1.1
150.	*	.8	.9	.7	.4	.3	.3	.1	.6	.4	.6	.7	.7	.9	1.1	1.0	1.0
155.	*	.9	.9	.7	.4	.3	.3	.1	.6	.5	.6	.7	.7	1.0	1.0	1.0	1.0
160.	*	.9	.9	.6	.3	.3	.1	.0	.6	.6	.6	.5	.7	1.0	1.0	.8	1.0
165.	*	1.0	.9	.6	.3	.2	.1	.0	.7	.5	.5	.6	.7	1.0	1.0	.8	.9
170.	*	.9	.9	.6	.3	.1	.1	.0	.9	.4	.6	.7	.7	1.0	.8	.8	.9
175.	*	.8	.7	.6	.3	.1	.0	.0	.8	.4	.5	.6	.8	1.0	.8	.7	.7
180.	*	.6	.6	.4	.2	.0	.0	.0	.8	.5	.4	.5	.6	.9	.7	.7	.8
185.	*	.5	.5	.3	.0	.0	.0	.0	.8	.7	.4	.4	.6	.7	.7	.7	.8
190.	*	.3	.3	.2	.0	.0	.0	.0	.8	.7	.5	.3	.4	.7	.7	.7	.8
195.	*	.1	.1	.1	.0	.0	.0	.0	.7	.5	.3	.1	.2	.7	.7	.7	.8
200.	*	.1	.1	.1	.0	.0	.0	.0	.7	.4	.3	.2	.1	.7	.7	.7	.8
205.	*	.1	.1	.0	.0	.0	.0	.0	.7	.4	.4	.2	.1	.7	.7	.8	.8

1

JOB: S12 410&201 LBRT 2030PM

RUN: S12 410&201 LBRT 2030PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.4	.2	.1	.7	.7	.7	.7
215.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.4	.2	.2	.7	.7	.7	.9
220.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.4	.2	.2	.7	.7	.7	.9
225.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.2	.7	.7	.7	.9
230.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.2	.8	.7	.8	.9
235.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.2	.9	.8	.8	1.1
240.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.3	.2	.2	.9	.9	.9	1.1
245.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.2	.2	.2	.9	1.0	.9	1.1
250.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	1.0	1.0	1.0	1.1
255.	*	.0	.0	.0	.0	.0	.0	.0	.8	.6	.4	.3	.1	1.0	1.0	1.1	1.1
260.	*	.0	.0	.0	.0	.1	.1	.1	.9	.6	.4	.2	.1	1.1	1.0	1.1	1.0
265.	*	.0	.0	.0	.1	.1	.1	.2	1.0	.7	.4	.2	.0	1.2	1.0	1.1	1.0
270.	*	.0	.0	.0	.3	.4	.3	.3	.8	.6	.3	.2	.0	1.1	1.1	1.0	1.0
275.	*	.0	.0	.0	.6	.6	.6	.5	.7	.5	.2	.1	.0	1.1	1.1	.9	1.0
280.	*	.1	.0	.0	.7	.8	1.0	.7	.7	.3	.1	.0	.0	.8	.9	.8	.8
285.	*	.1	.1	.0	1.1	1.2	1.2	1.2	.4	.2	.0	.0	.0	.8	.8	.6	.6
290.	*	.2	.1	.0	1.3	1.4	1.5	1.2	.3	.0	.0	.0	.0	.5	.4	.4	.4
295.	*	.4	.2	.0	1.4	1.4	1.5	1.4	.0	.0	.0	.0	.0	.4	.4	.3	.3
300.	*	.4	.2	.1	1.6	1.5	1.4	1.4	.0	.0	.0	.0	.0	.1	.1	.1	.1
305.	*	.4	.2	.1	1.4	1.5	1.4	1.4	.0	.0	.0	.0	.0	.1	.0	.0	.1
310.	*	.3	.2	.2	1.3	1.4	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.4	.2	.2	1.3	1.4	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.4	.2	.2	1.3	1.4	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.4	.2	.2	1.1	1.3	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.4	.2	.2	1.1	1.1	1.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.4	.2	.2	1.1	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.5	.3	.3	1.0	1.1	1.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.5	.3	.3	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.5	.3	.2	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.7	.4	.3	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
360.	*	.5	.3	.4	1.0	1.0	1.0	1.0	.1	.1	.1	.1	.1	.0	.0	.0	.0
MAX	*	1.0	1.0	.9	1.6	1.5	1.5	1.5	1.0	.7	.7	.7	.8	1.2	1.1	1.1	1.1
DEGR.	*	165	40	25	300	65	60	80	265	135	30	30	175	265	140	145	125

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 300 DEGREES FROM REC24.  
 THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 65 DEGREES FROM REC25.  
 THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 60 DEGREES FROM REC26.



S12 410&201 HBRT 2030AM				60.0321.0.0000.000360.30480000	1	1
SE COR		335164.	471081.	5.0		
SE 82S		335147.	471029.	5.0		
SE 164S		335148.	470946.	5.0		
SE 256S		335148.	470862.	5.0		
SE MIDS		335145.	470710.	5.0		
SE 82E		335223.	471085.	5.0		
SE 164E		335306.	471060.	5.0		
SE 256E		335383.	471039.	5.0		
SE MIDE		335665.	470987.	5.0		
NE COR		335193.	471253.	5.0		
NE 82N		335187.	471316.	5.0		
NE 164N		335204.	471401.	5.0		
NE 256N		335207.	471489.	5.0		
NE MIDN		335262.	471780.	5.0		
NE 82E		335243.	471230.	5.0		
NE 164E		335325.	471209.	5.0		
NE 256E		335406.	471189.	5.0		
NE MIDE		335678.	471126.	5.0		
SW COR		335031.	471127.	5.0		
SW 82S		335048.	471070.	5.0		
SW 164S		335049.	470999.	5.0		
SW 256S		335048.	470923.	5.0		
SW MIDS		335042.	470711.	5.0		
SW 82W		334979.	471146.	5.0		
SW 164W		334890.	471168.	5.0		
SW 256W		334818.	471192.	5.0		
SW MIDW		334609.	471258.	5.0		
NW COR		335028.	471298.	5.0		
NW 82N		335060.	471344.	5.0		
NW 164N		335077.	471429.	5.0		
NW 256N		335092.	471505.	5.0		
NW MIDN		335149.	471783.	5.0		
NW 82W		334970.	471290.	5.0		
NW 164W		334887.	471314.	5.0		
NW 256W		334809.	471339.	5.0		
NW MIDW		334620.	471387.	5.0		
S12 410&201 HBRT 2030AM				55 1 0		
1						
EBL	MD410	AG335101.471177.334690.471283.	345 3.3 0. 44	40		
2						
EBL	MD410	AG334954.471215.334803.471254.	0. 24 2			
160	136	2.0 345 32.1 1717 1 3				
1						
EBT&R	MD410	AG335120.471133.334683.471258.	1320 3.3 0. 56	40		
2						
EBT&R	MD410	AG334984.471172.334735.471243.	0. 36 3			
160	91	2.0 1320 32.1 1707 1 3				
1						
EBR	MD410	AG335076.471103.335039.471156.	365 3.3 0. 32	40		
1						
EBALL	MD410	AG334682.471272.334136.471441.	1665 3.3 0. 44	40		
1						
EBDP	MD410	AG336088.471006.335809.471021.	1120 3.3 0. 56	40		
1						
EBDP	MD410	AG335809.471021.335558.471052.	1120 3.3 0. 56	40		
1						
EBDP	MD410	AG335558.471052.335338.471099.	1120 3.3 0. 56	40		
1						
EBDP	MD410	AG335338.471099.335097.471165.	1120 3.3 0. 56	40		
1						
WBL	MD410	AG335099.471184.335402.471113.	50 3.0 0. 32	34		
2						
WBL	MD410	AG335152.471171.335304.471136.	0. 12 1			
160	148	2.0 50 32.1 1770 1 3				
1						
WBT	MD410	AG335107.471202.335487.471112.	1675 3.0 0. 44	34		
2						
WBT	MD410	AG335164.471188.335396.471133.	0. 24 2			
160	103	2.0 1675 32.1 1770 1 3				
1						
WBR	MD410	AG335204.471198.335488.471129.	550 3.0 0. 32	34		
1						
WBR	MD410	AG335148.471292.335205.471198.	550 3.0 0. 32	34		
1						
WBDP	MD410	AG334156.471508.335111.471222.	2415 3.0 0. 44	34		
1						
WBALL	MD410	AG335487.471118.335719.471081.	2275 3.0 0. 56	34		
1						
WBALL	MD410	AG335719.471081.335974.471059.	2275 3.0 0. 56	34		
1						
WBALL	MD410	AG335974.471059.336097.471059.	2275 3.0 0. 56	34		
1						
NBL	MD201	AG335103.471187.335103.470844.	405 3.0 0. 44	30		
2						
NBL	MD201	AG335103.471079.335103.470919.	0. 24 2			
160	138	2.0 405 32.1 1717 1 3				
1						
NBT&R	MD201	AG335127.471184.335127.470844.	935 3.0 0. 44	30		
2						
NBT&R	MD201	AG335127.471081.335127.470881.	0. 24 2			
160	88	2.0 935 32.1 1770 1 3				
1						
NBR	MD201	AG335215.471131.335128.471086.	40 3.0 0. 32	30		
1						

NBALL	MD201	AG335117.470845.335128.470197.	1340	3.0	0.	56	30
1							
NBDP	MD201	AG335351.472166.335281.471962.	1790	3.0	0.	44	30
1							
NBDP	MD201	AG335281.471962.335220.471692.	1790	3.0	0.	44	30
1							
NBDP	MD201	AG335220.471692.335134.471213.	1790	3.0	0.	44	30
1							
SBL	MD201	AG335116.471204.335153.471436.	125	3.1	0.	32	23
2							
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1		
160	136	2.0 125 32.1 1770 1 3					
1							
SBT	MD201	AG335099.471207.335138.471435.	1815	3.1	0.	44	23
2							
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2		
160	86	2.0 1815 32.1 1770 1 3					
1							
SBR	MD201	AG335081.471226.335119.471436.	335	3.1	0.	32	23
2							
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1		
160	11	2.0 1 32.1 1583 1 3					
1							
SBALL	MD201	AG335136.471437.335203.471800.	2275	3.1	0.	44	23
1							
SBALL	MD201	AG335203.471800.335240.471959.	2275	3.1	0.	44	23
1							
SBALL	MD201	AG335240.471959.335319.472174.	2275	3.1	0.	44	23
1							
SBDP	MD201	AG335061.470196.335076.471195.	1960	3.1	0.	44	23
1							
EBDP	201BUS	AG336082.470984.335797.470998.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335797.470998.335580.471026.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335580.471026.335336.471072.	34	0.3	0.	32	40
1							
WBT	410BUS	AG335242.471200.335481.471144.	34	0.4	0.	32	30
2							
WBT	410BUS	AG335252.471198.335381.471167.	0.	12	1		
160	103	2.0 34 4.4 1583 1 3					
1							
WBT	410BUS	AG335481.471144.335641.471115.	34	0.4	0.	32	30
1							
WBT	410BUS	AG335641.471115.335869.471088.	34	0.4	0.	32	30
1							
WBT	410BUS	AG335869.471088.336099.471080.	34	0.4	0.	32	30
1							
WBDP	410BUS	AG334145.471472.334881.471259.	34	0.4	0.	32	40
1							
WBDP	410BUS	AG334881.471259.335135.471224.	34	0.4	0.	32	40
1							
WBDP	410BUS	AG335135.471224.335243.471200.	34	0.4	0.	32	40
1							
EBDP	410BUS	AG335334.471073.335158.471122.	34	0.3	0.	32	34
1							
EBDP	410BUS	AG335158.471122.335047.471173.	34	0.3	0.	32	34
1							
EBT	410BUS	AG335047.471172.334920.471236.	34	0.3	0.	32	34
1							
EBT	410BUS	AG334920.471236.334143.471461.	34	0.3	0.	32	34
2							
EBT	410BUS	AG334906.471242.334736.471289.	0.	12	1		
160	91	2.0 34 4.4 1707 1 3					
1.0	04 1000	0Y 5 0 72					

JOB: S12 410&201 HBRT 2030AM  
DATE: 01/11/2008 TIME: 14:22:35.19

RUN: S12 410&201 HBRT 2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	335101.0	471177.0	334690.0	471283.0	*	424.	284. AG	345.	3.3	.0	44.0		
2. EBL	MD410	*	334954.0	471215.0	334817.4	471250.3	*	141.	284. AG	146.	100.0	.0	24.0	.80	7.2
3. EBT&R	MD410	*	335120.0	471133.0	334683.0	471258.0	*	455.	286. AG	1320.	3.3	.0	56.0		
4. EBT&R	MD410	*	334984.0	471172.0	334773.5	471232.1	*	219.	286. AG	147.	100.0	.0	36.0	.63	11.1
5. EBR	MD410	*	335076.0	471103.0	335039.0	471156.0	*	65.	325. AG	365.	3.3	.0	32.0		
6. EBALL	MD410	*	334682.0	471272.0	334136.0	471441.0	*	572.	287. AG	1665.	3.3	.0	44.0		
7. EBDP	MD410	*	336088.0	471006.0	335809.0	471021.0	*	279.	273. AG	1120.	3.3	.0	56.0		
8. EBDP	MD410	*	335809.0	471021.0	335558.0	471052.0	*	253.	277. AG	1120.	3.3	.0	56.0		
9. EBDP	MD410	*	335558.0	471052.0	335338.0	471099.0	*	225.	282. AG	1120.	3.3	.0	56.0		
10. EBDP	MD410	*	335338.0	471099.0	335097.0	471165.0	*	250.	285. AG	1120.	3.3	.0	56.0		
11. WBL	MD410	*	335099.0	471184.0	335402.0	471113.0	*	311.	103. AG	50.	3.0	.0	32.0		
12. WBL	MD410	*	335152.0	471171.0	335192.6	471161.7	*	42.	103. AG	80.	100.0	.0	12.0	.57	2.1
13. WBT	MD410	*	335107.0	471202.0	335487.0	471112.0	*	391.	103. AG	1675.	3.0	.0	44.0		
14. WBT	MD410	*	335164.0	471188.0	338189.3	470470.8	*	3109.	103. AG	111.	100.0	.0	24.0	1.43	157.9
15. WBR	MD410	*	335204.0	471198.0	335488.0	471129.0	*	292.	104. AG	550.	3.0	.0	32.0		
16. WBR	MD410	*	335148.0	471292.0	335205.0	471198.0	*	110.	149. AG	550.	3.0	.0	32.0		
17. WBDP	MD410	*	334156.0	471508.0	335111.0	471222.0	*	997.	107. AG	2415.	3.0	.0	44.0		
18. WBALL	MD410	*	335487.0	471118.0	335719.0	471081.0	*	235.	99. AG	2275.	3.0	.0	56.0		
19. WBALL	MD410	*	335719.0	471081.0	335974.0	471059.0	*	256.	95. AG	2275.	3.0	.0	56.0		
20. WBALL	MD410	*	335974.0	471059.0	336097.0	471059.0	*	123.	90. AG	2275.	3.0	.0	56.0		
21. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	405.	3.0	.0	44.0		
22. NBL	MD201	*	335103.0	471079.0	335103.0	470767.4	*	312.	180. AG	149.	100.0	.0	24.0	1.05	15.8
23. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	935.	3.0	.0	44.0		
24. NBT&R	MD201	*	335127.0	471081.0	335127.0	470856.3	*	225.	180. AG	95.	100.0	.0	24.0	.62	11.4
25. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	40.	3.0	.0	32.0		
26. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1340.	3.0	.0	56.0		
27. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	1790.	3.0	.0	44.0		
28. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	1790.	3.0	.0	44.0		
29. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	1790.	3.0	.0	44.0		
30. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	125.	3.1	.0	32.0		
31. SBL	MD201	*	335124.0	471252.0	335138.4	471343.9	*	93.	9. AG	73.	100.0	.0	12.0	.57	4.7
32. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1815.	3.1	.0	44.0		
33. SBT	MD201	*	335110.0	471271.0	335423.4	473138.3	*	1893.	10. AG	93.	100.0	.0	24.0	1.17	96.2
34. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	335.	3.1	.0	32.0		
35. SBR	MD201	*	335092.0	471287.0	335092.0	471287.1	*	0.	360. AG	6.	100.0	.0	12.0	.00	.0
36. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2275.	3.1	.0	44.0		
37. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2275.	3.1	.0	44.0		
38. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2275.	3.1	.0	44.0		
39. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1960.	3.1	.0	44.0		
40. EBDP	201BUS	*	336082.0	470984.0	335797.0	470998.0	*	285.	273. AG	34.	.3	.0	32.0		
41. EBDP	201BUS	*	335797.0	470998.0	335580.0	471026.0	*	219.	277. AG	34.	.3	.0	32.0		
42. EBDP	201BUS	*	335580.0	471026.0	335336.0	471072.0	*	248.	281. AG	34.	.3	.0	32.0		
43. WBT	410BUS	*	335242.0	471200.0	335481.0	471144.0	*	245.	103. AG	34.	.4	.0	32.0		
44. WBT	410BUS	*	335252.0	471198.0	335270.6	471193.6	*	19.	104. AG	8.	100.0	.0	12.0	.06	1.0

JOB: S12 410&201 HBRT 2030AM  
DATE: 01/11/2008 TIME: 14:22:35.19

RUN: S12 410&201 HBRT 2030AM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. WBT	410BUS	*	335481.0	471144.0	335641.0	471115.0	*	163.	100. AG	34.	.4	.0	32.0		
46. WBT	410BUS	*	335641.0	471115.0	335869.0	471088.0	*	230.	97. AG	34.	.4	.0	32.0		
47. WBT	410BUS	*	335869.0	471088.0	336099.0	471080.0	*	230.	92. AG	34.	.4	.0	32.0		
48. WBDP	410BUS	*	334145.0	471472.0	334881.0	471259.0	*	766.	106. AG	34.	.4	.0	32.0		
49. WBDP	410BUS	*	334881.0	471259.0	335135.0	471224.0	*	256.	98. AG	34.	.4	.0	32.0		
50. WBDP	410BUS	*	335135.0	471224.0	335243.0	471200.0	*	111.	103. AG	34.	.4	.0	32.0		
51. EBDP	410BUS	*	335334.0	471073.0	335158.0	471122.0	*	183.	286. AG	34.	.3	.0	32.0		
52. EBDP	410BUS	*	335158.0	471122.0	335047.0	471173.0	*	122.	295. AG	34.	.3	.0	32.0		
53. EBT	410BUS	*	335047.0	471172.0	334920.0	471236.0	*	142.	297. AG	34.	.3	.0	32.0		
54. EBT	410BUS	*	334920.0	471236.0	334143.0	471461.0	*	809.	286. AG	34.	.3	.0	32.0		
55. EBT	410BUS	*	334906.0	471242.0	334889.7	471246.5	*	17.	286. AG	7.	100.0	.0	12.0	.05	.9

JOB: S12 410&201 HBRT 2030AM  
DATE: 01/11/2008 TIME: 14:22:35.19

RUN: S12 410&201 HBRT 2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	160	136	2.0	345	1717	32.10	1	3
4. EBT&R	MD410	*	160	91	2.0	1320	1707	32.10	1	3
12. WBL	MD410	*	160	148	2.0	50	1770	32.10	1	3

RECEPTOR LOCATIONS

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RECEPTOR LOCATIONS

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## MODEL RESULTS

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

[illegible]

80.	*	.4	.1	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
85.	*	.3	.1	.1	.1	.1	.5	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.1	.6	.5
90.	*	.2	.1	.1	.1	.0	.4	.4	.3	.2	.0	.0	.0	.0	.1	.1	.1	.2	.6	.6
95.	*	.2	.1	.1	.1	.0	.3	.3	.2	.2	.1	.0	.0	.0	.1	.1	.1	.2	.5	.6
100.	*	.1	.1	.1	.0	.0	.2	.3	.1	.2	.1	.1	.0	.0	.2	.2	.3	.3	.5	.6
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.0	.2	.3	.3	.4	.3	.6
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.1	.0	.3	.3	.5	.3	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.1	.0	.4	.5	.4	.6	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.1	.0	.4	.5	.4	.6	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.1	.0	.3	.3	.3	.4	.6
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.1	.0	.3	.3	.4	.4	.6
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.3	.4	.4	.6
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.4	.3	.5	.6
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.4	.4	.5	.6
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.4	.4	.6	.7
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.3	.3	.4	.5	.7
160.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.2	.1	.1	.0	.3	.3	.4	.5	.7
165.	*	.0	.2	.0	.1	.1	.0	.0	.0	.0	.5	.2	.1	.1	.0	.4	.3	.4	.5	.6
170.	*	.0	.2	.2	.1	.1	.0	.0	.0	.0	.5	.2	.1	.2	.0	.4	.3	.4	.5	.4
175.	*	.2	.4	.4	.1	.2	.0	.0	.0	.0	.4	.2	.1	.1	.1	.4	.3	.4	.5	.3
180.	*	.3	.6	.5	.2	.2	.0	.0	.0	.0	.5	.3	.1	.1	.2	.4	.3	.4	.5	.2
185.	*	.4	.8	.6	.3	.3	.0	.0	.0	.0	.7	.4	.3	.2	.3	.4	.3	.4	.5	.1
190.	*	.6	.8	.7	.4	.3	.0	.0	.0	.0	.7	.6	.3	.4	.4	.5	.3	.4	.5	.1
195.	*	.6	.9	.8	.4	.3	.2	.0	.0	.0	.7	.5	.3	.6	.5	.7	.4	.4	.5	.0
200.	*	.6	.9	.9	.4	.3	.3	.0	.0	.0	.7	.3	.3	.6	.5	.7	.4	.3	.5	.0
205.	*	.7	.9	.8	.4	.3	.3	.0	.0	.0	.6	.3	.4	.5	.6	.7	.5	.3	.5	.0

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JOB: S12 410&201 HBRT 2030AM

RUN: S12 410&201 HBRT 2030AM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.7	.9	.8	.4	.3	.3	.1	.0	.0	.5	.2	.5	.5	.6	.7	.6	.3	.5	.0	.0
215.	*	.7	.9	.8	.5	.3	.4	.2	.0	.0	.4	.4	.5	.5	.7	.7	.6	.3	.5	.0	.0
220.	*	.7	.8	.8	.6	.3	.4	.2	.0	.0	.3	.4	.6	.5	.6	.6	.7	.4	.5	.0	.0
225.	*	.7	.8	.8	.6	.2	.4	.2	.0	.0	.3	.5	.6	.7	.6	.6	.6	.4	.5	.0	.0
230.	*	.6	.8	.8	.6	.2	.4	.3	.1	.0	.4	.5	.6	.8	.6	.3	.5	.4	.4	.0	.0
235.	*	.6	.8	.8	.7	.2	.4	.2	.1	.0	.5	.7	.6	.7	.6	.3	.5	.4	.4	.0	.0
240.	*	.6	.8	.8	.7	.2	.3	.2	.1	.0	.5	.7	.6	.6	.4	.3	.4	.5	.4	.0	.0
245.	*	.6	.8	.8	.7	.2	.3	.2	.1	.0	.6	.7	.6	.6	.4	.2	.4	.5	.4	.0	.0
250.	*	.6	.8	.8	.6	.2	.3	.2	.2	.0	.6	.8	.5	.6	.4	.3	.3	.4	.4	.0	.0
255.	*	.6	.8	.8	.6	.2	.3	.2	.2	.0	.6	.7	.4	.5	.4	.3	.3	.4	.4	.0	.0
260.	*	.5	.8	.8	.7	.2	.3	.2	.2	.0	.7	.7	.4	.5	.4	.4	.2	.3	.4	.0	.0
265.	*	.4	.8	.8	.7	.2	.3	.2	.1	.0	.7	.5	.4	.4	.4	.3	.4	.3	.4	.0	.0
270.	*	.4	.8	.8	.7	.2	.2	.1	.1	.0	.7	.5	.4	.4	.4	.3	.4	.3	.5	.2	.0
275.	*	.4	.8	.8	.7	.2	.3	.1	.1	.0	.7	.6	.3	.4	.4	.4	.4	.3	.4	.2	.0
280.	*	.6	.8	.8	.8	.2	.3	.0	.0	.0	.7	.6	.3	.4	.4	.3	.1	.3	.2	.3	.0
285.	*	.4	.8	.8	.8	.2	.4	.3	.0	.1	.6	.6	.3	.4	.5	.3	.1	.1	.2	.3	.0
290.	*	.5	.9	.8	.8	.2	.4	.4	.2	.1	.6	.4	.3	.4	.5	.3	.1	.1	.1	.7	.1
295.	*	.6	1.0	.8	.8	.2	.5	.3	.2	.2	.6	.4	.4	.4	.5	.4	.1	.0	.0	.7	.3
300.	*	.6	1.1	.8	.8	.2	.4	.2	.3	.3	.5	.3	.3	.4	.4	.3	.1	.0	.0	.7	.4
305.	*	.6	1.1	.9	.8	.3	.3	.3	.4	.4	.5	.4	.3	.5	.4	.3	.1	.0	.0	.7	.5
310.	*	.5	1.1	1.0	.8	.3	.2	.4	.3	.4	.5	.4	.4	.5	.4	.3	.1	.1	.0	.7	.5
315.	*	.4	1.0	1.0	.9	.3	.2	.3	.3	.4	.5	.4	.4	.5	.4	.3	.1	.1	.0	.6	.5
320.	*	.4	1.0	1.0	.9	.4	.3	.3	.4	.4	.4	.4	.4	.5	.5	.3	.1	.1	.0	.6	.5
325.	*	.4	.8	1.0	1.0	.5	.3	.3	.3	.4	.4	.5	.4	.6	.5	.2	.2	.1	.0	.5	.4
330.	*	.3	.8	.9	1.0	.5	.5	.4	.4	.4	.3	.5	.5	.6	.5	.2	.2	.1	.0	.5	.4
335.	*	.3	.8	.8	.9	.6	.6	.4	.4	.4	.3	.6	.5	.6	.5	.2	.1	.1	.0	.3	.3
340.	*	.4	.5	.7	.9	.7	.5	.4	.4	.4	.3	.6	.5	.6	.5	.3	.1	.1	.0	.2	.3
345.	*	.6	.4	.7	.9	.7	.5	.4	.4	.4	.5	.5	.5	.6	.5	.3	.1	.1	.0	.2	.2
350.	*	.5	.4	.7	.7	.6	.5	.4	.4	.3	.4	.5	.5	.5	.6	.3	.1	.1	.0	.2	.3
355.	*	.5	.4	.5	.7	.6	.5	.4	.4	.3	.4	.5	.5	.5	.5	.7	.3	.1	.1	.0	.2
360.	*	.5	.4	.5	.5	.5	.5	.4	.3	.3	.4	.5	.5	.5	.7	.1	.1	.0	.0	.3	.4
MAX	*	.7	1.1	1.0	1.0	.7	.6	.4	.4	.4	.7	.8	.6	.8	.7	.7	.7	.5	.6	.7	.7
DEGR.	*	205	300	310	325	340	335	0	65	45	185	250	220	230	0	195	220	240	115	290	150

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JOB: S12 410&201 HBRT 2030AM

RUN: S12 410&201 HBRT 2030AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																	
ANGLE *	(PPM)																
(DEGR)*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																
0.	*	.3	.3	.3	.5	.8	.7	.3	.0	.1	.1	.1	.1	.0	.0	.0	
5.	*	.3	.5	.5	.6	.8	.7	.2	.1	.1	.1	.1	.1	.0	.0	.0	
10.	*	.4	.5	.7	.5	.8	.8	.3	.1	.2	.2	.2	.2	.1	.0	.0	
15.	*	.5	.5	.7	.5	.9	.9	.3	.2	.3	.3	.3	.3	.1	.0	.0	
20.	*	.6	.7	.6	.5	.9	.9	.3	.3	.3	.3	.4	.1	.1	.0	.0	
25.	*	.5	.6	.6	.4	.9	.9	.2	.3	.4	.3	.4	.2	.1	.1	.0	
30.	*	.4	.6	.6	.6	.9	.9	.2	.4	.4	.5	.4	.4	.2	.1	.0	
35.	*	.5	.8	.5	.6	.9	.9	.2	.4	.5	.5	.5	.3	.2	.1	.0	

40.	*	.6	.7	.5	.5	.9	.9	.2	.4	.5	.5	.5	.4	.2	.1	.1	.0
45.	*	.6	.7	.4	.5	.9	1.0	.2	.3	.5	.5	.5	.4	.2	.1	.1	.0
50.	*	.6	.7	.4	.4	.8	1.0	.3	.3	.4	.5	.5	.4	.2	.1	.1	.0
55.	*	.6	.7	.4	.4	.8	1.1	.3	.3	.4	.4	.5	.4	.2	.1	.1	.0
60.	*	.6	.7	.4	.3	.9	1.0	.3	.3	.4	.4	.5	.4	.3	.1	.1	.0
65.	*	.6	.7	.4	.2	.9	1.0	.2	.3	.4	.4	.5	.5	.3	.1	.1	.1
70.	*	.6	.6	.4	.5	.7	1.0	.2	.3	.3	.4	.5	.5	.3	.1	.1	.1
75.	*	.6	.6	.4	.5	.7	1.1	.2	.3	.3	.4	.4	.5	.3	.1	.1	.1
80.	*	.7	.6	.4	.5	.7	1.1	.3	.4	.3	.3	.3	.5	.3	.1	.0	.1
85.	*	.7	.6	.4	.5	.7	1.0	.5	.4	.3	.4	.4	.4	.2	.2	.1	.1
90.	*	.7	.6	.3	.7	.6	.9	.6	.4	.3	.4	.4	.4	.4	.1	.1	.2
95.	*	.7	.6	.3	.7	.6	.9	.6	.5	.3	.3	.4	.4	.3	.2	.2	.3
100.	*	.7	.6	.3	.5	.5	.7	.4	.5	.5	.3	.4	.4	.3	.3	.3	.4
105.	*	.5	.5	.3	.3	.4	.6	.4	.5	.5	.4	.4	.5	.6	.3	.3	.5
110.	*	.5	.5	.3	.3	.4	.4	.3	.6	.5	.4	.5	.5	.5	.4	.4	.6
115.	*	.6	.6	.3	.3	.4	.4	.2	.5	.5	.4	.4	.5	.5	.4	.4	.7
120.	*	.6	.6	.3	.4	.3	.3	.2	.5	.5	.4	.5	.5	.5	.4	.5	.7
125.	*	.6	.6	.3	.3	.2	.3	.0	.4	.6	.5	.5	.5	.4	.4	.5	.7
130.	*	.6	.6	.3	.3	.2	.1	.0	.4	.6	.5	.5	.5	.3	.3	.6	.6
135.	*	.6	.6	.3	.3	.2	.1	.0	.4	.6	.5	.5	.5	.3	.6	.6	.6
140.	*	.6	.5	.3	.3	.2	.1	.0	.2	.6	.5	.5	.4	.4	.8	.8	.6
145.	*	.7	.7	.3	.4	.2	.1	.0	.2	.5	.5	.6	.5	.6	.8	.9	.3
150.	*	.7	.6	.4	.3	.2	.0	.0	.3	.2	.5	.6	.5	.6	.8	.9	.3
155.	*	.7	.6	.4	.2	.2	.0	.0	.4	.2	.4	.6	.5	.6	.9	.8	.4
160.	*	.6	.6	.4	.2	.1	.0	.0	.5	.4	.3	.4	.5	.6	1.0	.7	.4
165.	*	.6	.5	.4	.2	.1	.0	.0	.5	.4	.3	.4	.5	.6	.8	.6	.4
170.	*	.6	.5	.4	.2	.0	.0	.0	.4	.4	.4	.3	.5	.6	.7	.6	.4
175.	*	.5	.5	.3	.1	.0	.0	.0	.5	.3	.4	.4	.5	.5	.7	.6	.3
180.	*	.4	.3	.2	.1	.0	.0	.0	.5	.3	.3	.4	.4	.5	.7	.5	.3
185.	*	.2	.2	.2	.0	.0	.0	.0	.4	.3	.3	.3	.4	.5	.7	.4	.3
190.	*	.2	.2	.1	.0	.0	.0	.0	.4	.2	.2	.1	.2	.6	.7	.4	.3
195.	*	.1	.1	.1	.0	.0	.0	.0	.4	.2	.1	.0	.2	.6	.7	.4	.3
200.	*	.1	.1	.1	.0	.0	.0	.0	.4	.1	.1	.0	.0	.6	.7	.4	.3
205.	*	.1	.1	.0	.0	.0	.0	.0	.4	.2	.2	.2	.0	.7	.7	.4	.3

1

JOB: S12 410&201 HBRT 2030AM

RUN: S12 410&201 HBRT 2030AM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION																
ANGLE	* (PPM)																
(DEGR)	* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																
210.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.2	.0	.7	.7	.3	.3
215.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.3	.2	.0	.7	.7	.3	.3
220.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.0	.7	.6	.3	.3
225.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.2	.0	.7	.5	.2	.4
230.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.0	.7	.5	.2	.4
235.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.8	.6	.3	.4
240.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.8	.5	.3	.4
245.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.7	.5	.3	.4
250.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.7	.3	.4	.4
255.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.3	.4	.5
260.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.5	.3	.4	.5
265.	*	.0	.0	.0	.2	.0	.0	.0	.4	.1	.1	.0	.0	.6	.5	.4	.5
270.	*	.0	.0	.0	.2	.1	.1	.0	.2	.1	.1	.0	.0	.4	.5	.5	.5
275.	*	.0	.0	.0	.3	.2	.1	.1	.2	.1	.0	.0	.0	.4	.5	.5	.5
280.	*	.0	.0	.0	.3	.2	.3	.1	.2	.1	.0	.0	.0	.4	.5	.5	.5
285.	*	.0	.0	.0	.5	.4	.3	.1	.1	.1	.0	.0	.0	.3	.3	.3	.4
290.	*	.0	.0	.0	.8	.6	.6	.2	.1	.0	.0	.0	.0	.3	.3	.3	.4
295.	*	.0	.0	.0	.9	.7	.6	.3	.1	.0	.0	.0	.0	.2	.2	.2	.3
300.	*	.0	.0	.0	.9	.8	.7	.3	.0	.0	.0	.0	.0	.1	.2	.1	.2
305.	*	.2	.0	.0	1.1	.8	.7	.3	.0	.0	.0	.0	.0	.1	.1	.1	.2
310.	*	.2	.0	.0	1.1	.9	.6	.3	.0	.0	.0	.0	.0	.1	.1	.1	.1
315.	*	.2	.1	.0	1.1	.9	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
320.	*	.4	.2	.0	1.0	.9	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
325.	*	.4	.2	.0	1.0	1.0	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
330.	*	.4	.2	.0	1.0	1.0	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.4	.2	.0	.8	1.0	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.4	.2	.0	.7	.8	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.2	.1	.7	.8	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.3	.1	.1	.7	.8	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.2	.2	.3	.5	.8	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.3	.3	.3	.5	.8	.7	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0
MAX	*	.7	.8	.7	1.1	1.0	1.1	.6	.6	.6	.5	.6	.5	.8	1.0	.9	.7
DEGR.	*	145	35	10	305	325	55	90	110	125	30	145	65	235	160	145	115

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 300 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 305 DEGREES FROM REC24.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 55 DEGREES FROM REC26.

S12 410&201 HBRT 2030PM			60.0321.0.0000.000360.30480000	1	1
SE COR		335164.	471081.	5.0	
SE 82S		335147.	471029.	5.0	
SE 164S		335148.	470946.	5.0	
SE 256S		335148.	470862.	5.0	
SE MIDS		335145.	470710.	5.0	
SE 82E		335223.	471085.	5.0	
SE 164E		335306.	471060.	5.0	
SE 256E		335383.	471039.	5.0	
SE MIDE		335665.	470987.	5.0	
NE COR		335193.	471253.	5.0	
NE 82N		335187.	471316.	5.0	
NE 164N		335204.	471401.	5.0	
NE 256N		335207.	471489.	5.0	
NE MIDN		335262.	471780.	5.0	
NE 82E		335243.	471230.	5.0	
NE 164E		335325.	471209.	5.0	
NE 256E		335406.	471189.	5.0	
NE MIDE		335678.	471126.	5.0	
SW COR		335031.	471127.	5.0	
SW 82S		335048.	471070.	5.0	
SW 164S		335049.	470999.	5.0	
SW 256S		335048.	470923.	5.0	
SW MIDS		335042.	470711.	5.0	
SW 82W		334979.	471146.	5.0	
SW 164W		334890.	471168.	5.0	
SW 256W		334818.	471192.	5.0	
SW MIDW		334609.	471258.	5.0	
NW COR		335028.	471298.	5.0	
NW 82N		335060.	471344.	5.0	
NW 164N		335077.	471429.	5.0	
NW 256N		335092.	471505.	5.0	
NW MIDN		335149.	471783.	5.0	
NW 82W		334970.	471290.	5.0	
NW 164W		334887.	471314.	5.0	
NW 256W		334809.	471339.	5.0	
NW MIDW		334620.	471387.	5.0	
S12 410&201 HBRT 2030PM			55 1 0		
1					
EBL	MD410	AG335101.471177.334690.471283.	665 3.3 0. 44	40	
2					
EBL	MD410	AG334954.471215.334803.471254.	0. 24 2		
130	106	2.0 665 32.1 1717 1 3			
1					
EBT&R	MD410	AG335120.471133.334683.471258.	2090 3.3 0. 56	40	
2					
EBT&R	MD410	AG334984.471172.334735.471243.	0. 36 3		
130	80	2.0 2090 32.1 1707 1 3			
1					
EBR	MD410	AG335076.471103.335039.471156.	495 3.3 0. 32	40	
1					
EBALL	MD410	AG334682.471272.334136.471441.	2755 3.3 0. 44	40	
1					
EBDP	MD410	AG336088.471006.335809.471021.	2065 3.3 0. 56	40	
1					
EBDP	MD410	AG335809.471021.335558.471052.	2065 3.3 0. 56	40	
1					
EBDP	MD410	AG335558.471052.335338.471099.	2065 3.3 0. 56	40	
1					
EBDP	MD410	AG335338.471099.335097.471165.	2065 3.3 0. 56	40	
1					
WBL	MD410	AG335099.471184.335402.471113.	155 3.0 0. 32	34	
2					
WBL	MD410	AG335152.471171.335304.471136.	0. 12 1		
130	107	2.0 155 32.1 1770 1 3			
1					
WBT	MD410	AG335107.471202.335487.471112.	1630 3.0 0. 44	34	
2					
WBT	MD410	AG335164.471188.335396.471133.	0. 24 2		
130	81	2.0 1630 32.1 1770 1 3			
1					
WBR	MD410	AG335204.471198.335488.471129.	300 3.0 0. 32	34	
1					
WBR	MD410	AG335148.471292.335205.471198.	300 3.0 0. 32	34	
1					
WBDP	MD410	AG334156.471508.335111.471222.	2275 3.0 0. 44	34	
1					
WBALL	MD410	AG335487.471118.335719.471081.	2085 3.0 0. 56	34	
1					
WBALL	MD410	AG335719.471081.335974.471059.	2085 3.0 0. 56	34	
1					
WBALL	MD410	AG335974.471059.336097.471059.	2085 3.0 0. 56	34	
1					
NBL	MD201	AG335103.471187.335103.470844.	455 3.0 0. 44	30	
2					
NBL	MD201	AG335103.471079.335103.470919.	0. 24 2		
130	111	2.0 455 32.1 1717 1 3			
1					
NBT&R	MD201	AG335127.471184.335127.470844.	1360 3.0 0. 44	30	
2					
NBT&R	MD201	AG335127.471081.335127.470881.	0. 24 2		
130	83	2.0 1360 32.1 1770 1 3			
1					
NBR	MD201	AG335215.471131.335128.471086.	55 3.0 0. 32	30	
1					

NBALL	MD201	AG335117.470845.335128.470197.	1815	3.0	0.	56	30
1							
NBDP	MD201	AG335351.472166.335281.471962.	2270	3.0	0.	44	30
1							
NBDP	MD201	AG335281.471962.335220.471692.	2270	3.0	0.	44	30
1							
NBDP	MD201	AG335220.471692.335134.471213.	2270	3.0	0.	44	30
1							
SBL	MD201	AG335116.471204.335153.471436.	415	3.1	0.	32	23
2							
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1		
130	102	2.0 415 32.1 1770 1 3					
1							
SBT	MD201	AG335099.471207.335138.471435.	1430	3.1	0.	44	23
2							
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2		
130	74	2.0 1430 32.1 1770 1 3					
1							
SBR	MD201	AG335081.471226.335119.471436.	190	3.1	0.	32	23
2							
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1		
160	11	2.0 1 32.1 1583 1 3					
1							
SBALL	MD201	AG335136.471437.335203.471800.	2035	3.1	0.	44	23
1							
SBALL	MD201	AG335203.471800.335240.471959.	2035	3.1	0.	44	23
1							
SBALL	MD201	AG335240.471959.335319.472174.	2035	3.1	0.	44	23
1							
SBDP	MD201	AG335061.470196.335076.471195.	2080	3.1	0.	44	23
1							
EBDP	201BUS	AG336082.470984.335797.470998.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335797.470998.335580.471026.	34	0.3	0.	32	40
1							
EBDP	201BUS	AG335580.471026.335336.471072.	34	0.3	0.	32	40
1							
WBT	410BUS	AG335242.471200.335481.471144.	34	0.4	0.	32	30
2							
WBT	410BUS	AG335252.471198.335381.471167.	0.	12	1		
130	81	2.0 34 4.4 1583 1 3					
1							
WBT	410BUS	AG335481.471144.335641.471115.	34	0.4	0.	32	30
1							
WBT	410BUS	AG335641.471115.335869.471088.	34	0.4	0.	32	30
1							
WBT	410BUS	AG335869.471088.336099.471080.	34	0.4	0.	32	30
1							
WBDP	410BUS	AG334145.471472.334881.471259.	34	0.4	0.	32	40
1							
WBDP	410BUS	AG334881.471259.335135.471224.	34	0.4	0.	32	40
1							
WBDP	410BUS	AG335135.471224.335243.471200.	34	0.4	0.	32	40
1							
EBDP	410BUS	AG335334.471073.335158.471122.	34	0.3	0.	32	34
1							
EBDP	410BUS	AG335158.471122.335047.471173.	34	0.3	0.	32	34
1							
EBT	410BUS	AG335047.471172.334920.471236.	34	0.3	0.	32	34
1							
EBT	410BUS	AG334920.471236.334143.471461.	34	0.3	0.	32	34
2							
EBT	410BUS	AG334906.471242.334736.471289.	0.	12	1		
130	80	2.0 34 4.4 1707 1 3					
1.0	04 1000	0Y 5 0 72					



JOB: S12 410&201 HBRT 2030PM  
DATE: 01/11/2008 TIME: 14:30:24.03

RUN: S12 410&201 HBRT 2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD410	*	335101.0	471177.0	334690.0	471283.0	*	424.	284. AG	665.	3.3	.0	44.0		
2. EBL	MD410	*	334954.0	471215.0	334023.5	471455.4	*	961.	284. AG	140.	100.0	.0	24.0	1.26	48.8
3. EBT&R	MD410	*	335120.0	471133.0	334683.0	471258.0	*	455.	286. AG	2090.	3.3	.0	56.0		
4. EBT&R	MD410	*	334984.0	471172.0	333688.2	471541.5	*	1347.	286. AG	159.	100.0	.0	36.0	1.15	68.5
5. EBR	MD410	*	335076.0	471103.0	335039.0	471156.0	*	65.	325. AG	495.	3.3	.0	32.0		
6. EBALL	MD410	*	334682.0	471272.0	334136.0	471441.0	*	572.	287. AG	2755.	3.3	.0	44.0		
7. EBDP	MD410	*	336088.0	471006.0	335809.0	471021.0	*	279.	273. AG	2065.	3.3	.0	56.0		
8. EBDP	MD410	*	335809.0	471021.0	335558.0	471052.0	*	253.	277. AG	2065.	3.3	.0	56.0		
9. EBDP	MD410	*	335558.0	471052.0	335338.0	471099.0	*	225.	282. AG	2065.	3.3	.0	56.0		
10. EBDP	MD410	*	335338.0	471099.0	335097.0	471165.0	*	250.	285. AG	2065.	3.3	.0	56.0		
11. WBL	MD410	*	335099.0	471184.0	335402.0	471113.0	*	311.	103. AG	155.	3.0	.0	32.0		
12. WBL	MD410	*	335152.0	471171.0	335240.4	471150.7	*	91.	103. AG	71.	100.0	.0	12.0	.60	4.6
13. WBT	MD410	*	335107.0	471202.0	335487.0	471112.0	*	391.	103. AG	1630.	3.0	.0	44.0		
14. WBT	MD410	*	335164.0	471188.0	337615.0	470606.9	*	2519.	103. AG	107.	100.0	.0	24.0	1.33	128.0
15. WBR	MD410	*	335204.0	471198.0	335488.0	471129.0	*	292.	104. AG	300.	3.0	.0	32.0		
16. WBR	MD410	*	335148.0	471292.0	335205.0	471198.0	*	110.	149. AG	300.	3.0	.0	32.0		
17. WBDP	MD410	*	334156.0	471508.0	335111.0	471222.0	*	997.	107. AG	2275.	3.0	.0	44.0		
18. WBALL	MD410	*	335487.0	471118.0	335719.0	471081.0	*	235.	99. AG	2085.	3.0	.0	56.0		
19. WBALL	MD410	*	335719.0	471081.0	335974.0	471059.0	*	256.	95. AG	2085.	3.0	.0	56.0		
20. WBALL	MD410	*	335974.0	471059.0	336097.0	471059.0	*	123.	90. AG	2085.	3.0	.0	56.0		
21. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	455.	3.0	.0	44.0		
22. NBL	MD201	*	335103.0	471079.0	335103.0	470577.2	*	502.	180. AG	147.	100.0	.0	24.0	1.15	25.5
23. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	1360.	3.0	.0	44.0		
24. NBT&R	MD201	*	335127.0	471081.0	335127.0	469700.9	*	1380.	180. AG	110.	100.0	.0	24.0	1.16	70.1
25. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	55.	3.0	.0	32.0		
26. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1815.	3.0	.0	56.0		
27. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	2270.	3.0	.0	44.0		
28. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	2270.	3.0	.0	44.0		
29. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	2270.	3.0	.0	44.0		
30. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	415.	3.1	.0	32.0		
31. SBL	MD201	*	335124.0	471252.0	335312.5	472456.5	*	1219.	9. AG	68.	100.0	.0	12.0	1.27	61.9
32. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1430.	3.1	.0	44.0		
33. SBT	MD201	*	335110.0	471271.0	335190.9	471752.9	*	489.	10. AG	98.	100.0	.0	24.0	1.01	24.8
34. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	190.	3.1	.0	32.0		
35. SBR	MD201	*	335092.0	471287.0	335092.0	471287.1	*	0.	360. AG	6.	100.0	.0	12.0	.00	.0
36. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2035.	3.1	.0	44.0		
37. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2035.	3.1	.0	44.0		
38. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2035.	3.1	.0	44.0		
39. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	2080.	3.1	.0	44.0		
40. EBDP	201BUS	*	336082.0	470984.0	335797.0	470998.0	*	285.	273. AG	34.	.3	.0	32.0		
41. EBDP	201BUS	*	335797.0	470998.0	335580.0	471026.0	*	219.	277. AG	34.	.3	.0	32.0		
42. EBDP	201BUS	*	335580.0	471026.0	335336.0	471072.0	*	248.	281. AG	34.	.3	.0	32.0		
43. WBT	410BUS	*	335242.0	471200.0	335481.0	471144.0	*	245.	103. AG	34.	.4	.0	32.0		
44. WBT	410BUS	*	335252.0	471198.0	335266.6	471194.5	*	15.	104. AG	7.	100.0	.0	12.0	.06	.8

JOB: S12 410&201 HBRT 2030PM  
DATE: 01/11/2008 TIME: 14:30:24.03

RUN: S12 410&201 HBRT 2030PM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. WBT	410BUS	*	335481.0	471144.0	335641.0	471115.0	*	163.	100. AG	34.	.4	.0	32.0		
46. WBT	410BUS	*	335641.0	471115.0	335869.0	471088.0	*	230.	97. AG	34.	.4	.0	32.0		
47. WBT	410BUS	*	335869.0	471088.0	336099.0	471080.0	*	230.	92. AG	34.	.4	.0	32.0		
48. WBDP	410BUS	*	334145.0	471472.0	334881.0	471259.0	*	766.	106. AG	34.	.4	.0	32.0		
49. WBDP	410BUS	*	334881.0	471259.0	335135.0	471224.0	*	256.	98. AG	34.	.4	.0	32.0		
50. WBDP	410BUS	*	335135.0	471224.0	335243.0	471200.0	*	111.	103. AG	34.	.4	.0	32.0		
51. EBDP	410BUS	*	335334.0	471073.0	335158.0	471122.0	*	183.	286. AG	34.	.3	.0	32.0		
52. EBDP	410BUS	*	335158.0	471122.0	335047.0	471173.0	*	122.	295. AG	34.	.3	.0	32.0		
53. EBT	410BUS	*	335047.0	471172.0	334920.0	471236.0	*	142.	297. AG	34.	.3	.0	32.0		
54. EBT	410BUS	*	334920.0	471236.0	334143.0	471461.0	*	809.	286. AG	34.	.3	.0	32.0		
55. EBT	410BUS	*	334906.0	471242.0	334891.7	471246.0	*	15.	286. AG	7.	100.0	.0	12.0	.06	.8

JOB: S12 410&201 HBRT 2030PM  
DATE: 01/11/2008 TIME: 14:30:24.03

RUN: S12 410&201 HBRT 2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD410	*	130	106	2.0	665	1717	32.10	1	3
4. EBT&R	MD410	*	130	80	2.0	2090	1707	32.10	1	3
12. WBL	MD410	*	130	107	2.0	155	1770	32.10	1	3

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WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

[illegible]

80.	*	.5	.2	.1	.1	.1	.6	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.9	.7
85.	*	.4	.2	.1	.1	.0	.4	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.7
90.	*	.4	.1	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.1	.1	.1	1.0	.7
95.	*	.4	.1	.1	.1	.0	.4	.3	.4	.3	.1	.0	.0	.0	.0	.1	.1	.1	.2	.9
100.	*	.2	.1	.1	.0	.0	.3	.2	.3	.2	.1	.1	.0	.0	.0	.1	.1	.2	.2	.7
105.	*	.1	.1	.0	.0	.0	.2	.2	.1	.1	.2	.1	.1	.0	.0	.2	.3	.3	.4	.6
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.1	.0	.3	.3	.3	.6	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.1	.0	.3	.4	.4	.6	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.1	.1	.0	.4	.5	.4	.5	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.4	.4	.4	.6	.5
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.4	.4	.5	.5	.8
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.4	.5	.5	.6
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.4	.4	.5	.6
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.4	.4	.5	.6
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.4	.4	.4	.4	.7
155.	*	.0	.0	.0	.0	.2	.0	.0	.0	.0	.4	.3	.1	.1	.0	.4	.4	.4	.5	.7
160.	*	.0	.2	.1	.1	.2	.0	.0	.0	.0	.4	.3	.1	.1	.0	.4	.4	.4	.5	.6
165.	*	.1	.2	.2	.2	.3	.0	.0	.0	.0	.5	.3	.1	.2	.0	.4	.4	.4	.5	.6
170.	*	.1	.4	.5	.4	.5	.0	.0	.0	.0	.6	.4	.1	.2	.1	.4	.4	.4	.5	.7
175.	*	.3	.6	.6	.6	.6	.1	.0	.0	.0	.6	.5	.2	.2	.1	.4	.4	.4	.5	.8
180.	*	.6	1.0	.9	.8	.8	.1	.0	.0	.0	.6	.5	.3	.4	.2	.5	.4	.4	.5	.3
185.	*	.8	1.1	1.0	1.0	1.0	.2	.1	.0	.0	.8	.6	.4	.5	.4	.6	.5	.4	.5	.3
190.	*	.8	1.2	1.2	1.1	1.1	.5	.1	.0	.0	.9	.8	.4	.6	.7	.7	.5	.4	.5	.1
195.	*	.9	1.2	1.2	1.2	1.2	.5	.1	.1	.0	.8	.7	.4	.8	.6	.8	.5	.5	.5	.0
200.	*	.8	1.2	1.2	1.2	1.1	.4	.2	.1	.0	.7	.5	.5	.8	.6	.8	.6	.5	.5	.0
205.	*	.8	1.2	1.2	1.2	1.2	.5	.3	.1	.0	.7	.5	.5	.6	.8	.8	.7	.5	.5	.0

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JOB: S12 410&201 HBRT 2030PM

RUN: S12 410&201 HBRT 2030PM

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WIND	ANGLE	CONCENTRATION																				
(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20		
210.	*	.8	1.1	1.0	1.1	1.1	.6	.3	.1	.0	.7	.4	.5	.6	.8	.9	.7	.6	.5	.0		
215.	*	.8	1.0	1.0	1.1	1.1	.6	.3	.2	.0	.5	.4	.5	.7	.8	.9	.7	.6	.5	.0		
220.	*	.8	1.0	1.0	1.0	1.0	.5	.3	.2	.0	.4	.5	.5	.8	.9	.9	.7	.6	.5	.0		
225.	*	.8	1.0	1.0	1.0	1.0	.5	.3	.2	.0	.5	.6	.7	.8	.8	.8	.7	.6	.5	.0		
230.	*	.7	1.0	1.0	1.0	1.0	.5	.3	.2	.0	.4	.7	.7	1.0	.7	.5	.7	.6	.5	.0		
235.	*	.6	.9	.9	1.0	1.0	.5	.3	.2	.0	.4	.8	.8	.9	.7	.5	.5	.6	.5	.0		
240.	*	.6	.8	.8	.9	1.0	.4	.3	.2	.0	.3	.8	.8	1.0	.7	.5	.4	.5	.6	.0		
245.	*	.6	.8	.8	.9	1.0	.4	.3	.2	.0	.4	.9	.8	.9	.6	.5	.4	.5	.5	.0		
250.	*	.6	.8	.8	.9	1.0	.4	.3	.2	.0	.4	.9	.8	.9	.6	.4	.4	.4	.5	.0		
255.	*	.6	.8	.8	.8	1.0	.4	.2	.2	.0	.6	.9	.8	.9	.6	.3	.6	.4	.5	.0		
260.	*	.6	.8	.8	.8	1.0	.4	.2	.2	.0	.7	.9	.8	.8	.4	.5	.5	.5	.5	.0		
265.	*	.4	.8	.8	.8	1.0	.4	.2	.2	.0	.7	.9	.8	.8	.4	.6	.6	.7	.5	.2		
270.	*	.5	.8	.8	.8	1.0	.6	.3	.2	.0	.8	.9	.8	.7	.4	.6	.6	.7	.7	.2		
275.	*	.7	.9	.8	.8	1.0	.5	.3	.1	.1	.7	.8	.7	.6	.4	.6	.7	.6	.6	.4		
280.	*	.8	.9	.8	.8	1.0	.6	.4	.3	.2	.9	.8	.6	.6	.4	.5	.3	.5	.4	.6		
285.	*	.7	1.0	.9	.8	1.0	.8	.5	.4	.4	.7	.8	.5	.6	.5	.4	.4	.3	.3	.9		
290.	*	.8	1.2	1.0	.9	1.0	.8	.6	.5	.5	.8	.5	.5	.6	.5	.5	.4	.3	.2	1.2		
295.	*	.8	1.2	1.0	.9	1.0	.8	.5	.5	.4	.6	.5	.4	.6	.4	.3	.2	.0	.0	1.2		
300.	*	.8	1.3	1.1	1.0	1.1	.6	.6	.5	.4	.5	.5	.5	.6	.4	.2	.2	.0	.0	1.1		
305.	*	.7	1.3	1.2	1.2	1.1	.6	.5	.5	.5	.5	.5	.5	.6	.4	.3	.2	.1	.0	1.0		
310.	*	.7	1.3	1.4	1.2	1.2	.4	.5	.4	.5	.5	.5	.5	.6	.4	.3	.2	.1	.0	.9		
315.	*	.6	1.3	1.4	1.2	1.2	.3	.4	.4	.5	.5	.6	.5	.6	.4	.3	.2	.1	.0	.9		
320.	*	.5	1.3	1.4	1.2	1.2	.4	.4	.4	.5	.5	.6	.6	.6	.4	.3	.2	.1	.0	.7		
325.	*	.5	.9	1.4	1.3	1.3	.5	.6	.4	.5	.5	.6	.6	.7	.5	.3	.2	.1	.0	.6		
330.	*	.4	.9	1.3	1.2	1.4	.7	.6	.5	.5	.5	.6	.6	.7	.5	.3	.2	.0	.0	.5		
335.	*	.3	.9	1.0	1.1	1.3	.7	.6	.3	.5	.5	.7	.6	.7	.5	.3	.2	.0	.0	.4		
340.	*	.4	.8	1.0	1.0	1.2	.8	.6	.3	.4	.5	.6	.6	.7	.5	.3	.2	.0	.0	.3		
345.	*	.5	.7	.9	.9	1.1	.8	.6	.3	.4	.5	.7	.6	.7	.5	.4	.0	.0	.0	.3		
350.	*	.6	.7	.7	.9	1.2	.8	.4	.4	.4	.5	.7	.5	.6	.5	.4	.0	.0	.0	.3		
355.	*	.5	.7	.8	.8	1.0	.8	.4	.4	.4	.5	.6	.5	.6	.6	.3	.0	.0	.0	.3		
360.	*	.6	.7	.9	.6	1.0	.8	.4	.4	.4	.4	.5	.5	.7	.6	.2	.0	.0	.0	.3		
MAX	*	.9	1.3	1.4	1.3	1.4	.8	.6	.6	.5	.9	.9	.8	1.0	.9	.9	.7	.7	.7	1.2		
DEGR.	*	195	300	310	325	330	0	290	80	55	280	245	235	230	220	210	205	270	270	290		

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JOB: S12 410&201 HBRT 2030PM

RUN: S12 410&201 HBRT 2030PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	ANGLE	CONCENTRATION																
(DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36		
0.	*	.4	.3	.3	.6	1.0	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0		
5.	*	.5	.5	.5	.6	1.0	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0		
10.	*	.7	.7	.6	.5	1.0	1.0	1.2	.0	.3	.3	.1	.0	.0	.0	.0		
15.	*	.7	.6	.6	.7	1.0	1.0	1.3	.3	.3	.3	.2	.0	.0	.0	.0		
20.	*	.8	.7	.7	.7	1.0	1.0	1.3	.3	.4	.3	.2	.0	.0	.0	.0		
25.	*	.5	.7	.8	.7	.9	1.0	1.1	.4	.5	.5	.4	.3	.2	.0	.0		
30.	*	.6	.7	.9	.7	1.0	1.0	1.1	.4	.5	.5	.6	.2	.3	.0	.0		
35.	*	.8	.8	.9	.7	1.0	1.0	1.1	.4	.5	.5	.5	.3	.3	.0	.0		

40.	*	.9	1.0	.8	.7	1.1	1.0	1.1	.3	.6	.5	.6	.3	.4	.1	.0	.0
45.	*	.8	.8	.8	.6	1.2	1.1	1.1	.4	.6	.5	.6	.3	.3	.1	.0	.0
50.	*	.8	.8	.6	.4	1.1	1.1	1.3	.4	.5	.5	.5	.3	.3	.1	.0	.0
55.	*	.8	.8	.6	.4	1.1	1.1	1.3	.4	.5	.5	.5	.3	.3	.1	.0	.0
60.	*	.8	.8	.6	.4	1.0	1.4	1.2	.4	.5	.5	.5	.3	.2	.1	.1	.0
65.	*	.8	.7	.6	.4	1.0	1.3	1.3	.4	.5	.5	.5	.4	.2	.1	.1	.0
70.	*	.7	.7	.7	.5	.9	1.3	1.3	.4	.5	.5	.5	.4	.2	.1	.1	.1
75.	*	.7	.7	.7	.7	.9	1.3	1.4	.4	.5	.5	.5	.4	.2	.1	.1	.1
80.	*	.7	.7	.7	.7	.8	1.2	1.5	.4	.4	.5	.5	.4	.2	.1	.0	.1
85.	*	.7	.7	.6	.7	.8	1.2	1.5	.4	.5	.5	.5	.3	.2	.2	.1	.1
90.	*	.7	.7	.6	.8	.9	1.1	1.7	.4	.5	.5	.5	.3	.3	.2	.1	.2
95.	*	.8	.7	.6	.8	.8	1.0	1.5	.5	.5	.5	.5	.3	.4	.2	.2	.2
100.	*	.7	.6	.6	.5	.8	.8	1.4	.4	.6	.5	.5	.3	.3	.3	.3	.4
105.	*	.6	.6	.6	.5	.6	.7	1.2	.4	.6	.6	.5	.3	.5	.3	.3	.6
110.	*	.6	.6	.6	.5	.5	.5	1.0	.6	.6	.6	.6	.3	.5	.4	.4	.7
115.	*	.8	.7	.6	.4	.4	.5	.6	.5	.5	.6	.6	.4	.6	.4	.4	.8
120.	*	.8	.8	.6	.4	.4	.3	.4	.7	.5	.6	.6	.4	.6	.4	.6	.8
125.	*	.8	.8	.6	.4	.4	.4	.4	.6	.6	.6	.6	.4	.5	.5	.6	.9
130.	*	.8	.7	.6	.4	.3	.3	.2	.5	.6	.6	.6	.4	.4	.4	.6	.9
135.	*	.8	.7	.7	.3	.3	.4	.1	.4	.7	.6	.6	.4	.6	.7	.7	.9
140.	*	.9	.9	.7	.4	.3	.3	.1	.2	.6	.6	.6	.6	.5	.9	1.0	.8
145.	*	.9	.9	.8	.4	.3	.3	.1	.2	.6	.6	.6	.6	.7	.9	1.1	.9
150.	*	.8	.9	.8	.4	.3	.3	.0	.6	.4	.6	.7	.6	.7	.9	1.1	.9
155.	*	.9	.9	.8	.4	.3	.2	.0	.6	.3	.5	.7	.6	.6	1.0	.9	.8
160.	*	.9	.9	.7	.3	.3	.1	.0	.6	.6	.4	.5	.6	.6	1.0	.9	.8
165.	*	.9	.8	.7	.3	.2	.1	.0	.6	.5	.5	.6	.6	.7	1.0	.8	.7
170.	*	.8	.8	.7	.3	.1	.0	.0	.6	.4	.6	.6	.6	.7	.8	.7	.7
175.	*	.8	.7	.5	.3	.0	.0	.0	.6	.5	.5	.6	.5	.7	.7	.7	.7
180.	*	.6	.6	.3	.2	.0	.0	.0	.6	.5	.4	.5	.6	.6	.7	.7	.7
185.	*	.4	.4	.3	.0	.0	.0	.0	.6	.5	.4	.4	.6	.5	.7	.7	.7
190.	*	.3	.2	.1	.0	.0	.0	.0	.4	.4	.4	.1	.2	.6	.7	.7	.7
195.	*	.1	.1	.1	.0	.0	.0	.0	.4	.3	.1	.0	.2	.6	.7	.7	.7
200.	*	.1	.1	.1	.0	.0	.0	.0	.4	.3	.3	.0	.0	.6	.7	.7	.7
205.	*	.1	.1	.0	.0	.0	.0	.0	.4	.3	.3	.1	.0	.6	.7	.7	.7

1

JOB: S12 410&201 HBRT 2030PM

RUN: S12 410&201 HBRT 2030PM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
210.	*	.0	.0	.0	.0	.0	.0	.4	.3	.2	.1	.1	.7	.7	.7	.7	
215.	*	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.1	.7	.7	.7	.7	
220.	*	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.1	.7	.7	.7	.7	
225.	*	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.1	.7	.7	.7	.7	
230.	*	.0	.0	.0	.0	.0	.0	.6	.4	.3	.3	.1	.7	.7	.7	.8	
235.	*	.0	.0	.0	.0	.0	.0	.6	.4	.3	.3	.2	.7	.7	.7	.8	
240.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.8	.8	.8	.8	
245.	*	.0	.0	.0	.0	.0	.1	.7	.5	.3	.3	.1	.8	.8	.8	.8	
250.	*	.0	.0	.0	.0	.0	.1	.7	.5	.3	.3	.1	.8	.8	.8	.9	
255.	*	.0	.0	.0	.0	.0	.1	.7	.4	.3	.3	.0	.8	.9	.8	.9	
260.	*	.0	.0	.0	.1	.0	.2	.1	.7	.4	.4	.2	.0	.8	.8	1.0	
265.	*	.0	.0	.0	.2	.2	.2	.2	.8	.5	.3	.2	.0	.9	.8	.9	
270.	*	.0	.0	.0	.3	.2	.3	.4	.7	.5	.3	.1	.0	.9	.9	.9	
275.	*	.0	.0	.0	.6	.4	.6	.6	.7	.4	.2	.0	.0	.9	.9	.9	
280.	*	.0	.0	.0	.8	.8	.8	.8	.5	.3	.1	.0	.0	.9	.9	.8	
285.	*	.1	.0	.0	1.2	1.0	1.0	1.2	.3	.2	.0	.0	.0	.6	.6	.7	
290.	*	.2	.1	.0	1.4	1.2	1.2	1.4	.3	.0	.0	.0	.5	.5	.4	.6	
295.	*	.3	.2	.0	1.5	1.5	1.5	1.6	.1	.0	.0	.0	.2	.2	.2	.3	
300.	*	.4	.2	.0	1.5	1.5	1.6	1.6	.0	.0	.0	.0	.1	.1	.1	.2	
305.	*	.4	.2	.1	1.4	1.5	1.5	1.7	.0	.0	.0	.0	.1	.1	.1	.2	
310.	*	.5	.2	.1	1.4	1.3	1.5	1.5	.0	.0	.0	.0	.1	.1	.1	.1	
315.	*	.5	.2	.2	1.3	1.3	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.1	
320.	*	.5	.2	.2	1.2	1.3	1.3	1.4	.0	.0	.0	.0	.0	.0	.0	.1	
325.	*	.4	.3	.2	1.2	1.2	1.3	1.4	.0	.0	.0	.0	.0	.0	.0	.1	
330.	*	.4	.3	.2	1.1	1.1	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.4	.3	.2	.9	1.0	1.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.4	.3	.2	.9	1.0	1.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.4	.3	.2	.8	1.0	1.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.3	.2	.1	.8	1.0	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.4	.3	.3	.7	.9	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	
360.	*	.4	.3	.3	.6	1.0	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	
MAX	*	.9	1.0	.9	1.5	1.5	1.6	1.7	.8	.7	.6	.7	.6	.9	1.0	1.1	1.0
DEGR.	*	40	40	30	295	295	300	90	265	135	105	150	140	265	155	145	260

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 90 DEGREES FROM REC27.  
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 300 DEGREES FROM REC26.  
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 295 DEGREES FROM REC24.

S12 410&201 LLRT 2030AM			60.0321.0.0000.000360.30480000	1	1
SE COR	335164.	471081.	5.0		
SE 82S	335147.	471029.	5.0		
SE 164S	335148.	470946.	5.0		
SE 256S	335148.	470862.	5.0		
SE MIDS	335145.	470710.	5.0		
SE 82E	335216.	471067.	5.0		
SE 164E	335302.	471046.	5.0		
SE 256E	335384.	471027.	5.0		
SE MIDE	335669.	470972.	5.0		
NE COR	335193.	471253.	5.0		
NE 82N	335187.	471316.	5.0		
NE 164N	335204.	471401.	5.0		
NE 256N	335207.	471489.	5.0		
NE MIDN	335262.	471780.	5.0		
NE 82E	335243.	471230.	5.0		
NE 164E	335325.	471209.	5.0		
NE 256E	335406.	471189.	5.0		
NE MIDE	335678.	471126.	5.0		
SW COR	335031.	471127.	5.0		
SW 82S	335048.	471070.	5.0		
SW 164S	335049.	470999.	5.0		
SW 256S	335048.	470923.	5.0		
SW MIDS	335042.	470711.	5.0		
SW 82W	334979.	471146.	5.0		
SW 164W	334890.	471168.	5.0		
SW 256W	334818.	471192.	5.0		
SW MIDW	334609.	471258.	5.0		
NW COR	335028.	471298.	5.0		
NW 82N	335060.	471344.	5.0		
NW 164N	335077.	471429.	5.0		
NW 256N	335092.	471505.	5.0		
NW MIDN	335149.	471783.	5.0		
NW 82W	334970.	471290.	5.0		
NW 164W	334887.	471314.	5.0		
NW 256W	334809.	471339.	5.0		
NW MIDW	334620.	471387.	5.0		
S12 410&201 LLRT 2030AM		41	1	0	
1					
NBL	MD201	AG335103.471187.335103.470844.	405	3.0	0. 44 30
2					
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2
150	130	2.0 405 32.1 1717 1 3			
1					
NBT&R	MD201	AG335127.471184.335127.470844.	935	3.0	0. 44 30
2					
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2
150	91	2.0 935 32.1 1770 1 3			
1					
NBR	MD201	AG335215.471131.335128.471086.	40	3.0	0. 32 30
1					
NBALL	MD201	AG335117.470845.335128.470197.	1340	3.0	0. 56 30
1					
NBDP	MD201	AG335351.472166.335281.471962.	1790	3.0	0. 44 30
1					
NBDP	MD201	AG335281.471962.335220.471692.	1790	3.0	0. 44 30
1					
NBDP	MD201	AG335220.471692.335134.471213.	1790	3.0	0. 44 30
1					
SBL	MD201	AG335116.471204.335153.471436.	125	3.2	0. 32 23
2					
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1
150	129	2.0 125 32.1 1770 1 3			
1					
SBT	MD201	AG335099.471207.335138.471435.	1815	3.2	0. 44 23
2					
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2
150	90	2.0 1815 32.1 1770 1 3			
1					
SBR	MD201	AG335081.471226.335119.471436.	335	3.2	0. 32 23
2					
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1
150	11	2.0 335 32.1 1583 1 3			
1					
SBALL	MD201	AG335136.471437.335203.471800.	2275	3.2	0. 44 23
1					
SBALL	MD201	AG335203.471800.335240.471959.	2275	3.2	0. 44 23
1					
SBALL	MD201	AG335240.471959.335319.472174.	2275	3.2	0. 44 23
1					
SBDP	MD201	AG335061.470196.335076.471195.	1960	3.2	0. 44 23
1					
SBR	MD201	AG334996.471263.335099.471319.	335	3.2	0. 32 24
1					
EBL	MD410	AG335119.471188.334753.471292.	345	3.3	0. 44 40
2					
EBL	MD410	AG335012.471218.334892.471252.	0.	24	2
150	128	2.0 345 32.1 1717 1 3			
1					
EBT&R	MD410	AG335119.471163.334749.471264.	1320	3.3	0. 56 40
2					
EBT&R	MD410	AG335011.471192.334833.471241.	0.	36	3
150	87	2.0 1320 32.1 1707 1 3			
1					
EBR	MD410	AG335073.471137.335015.471191.	365	3.3	0. 32 40

1	EBALL	MD410	AG334750.471279.334128.471415.	1665	3.3	0.	56	40
1	EBDP	MD410	AG336090.471018.335726.471037.	1120	3.3	0.	56	40
1	EBDP	MD410	AG335726.471037.335543.471060.	1120	3.3	0.	56	40
1	EBDP	MD410	AG335543.471060.335123.471161.	1120	3.3	0.	56	40
1	WBL	MD410	AG335121.471191.335396.471121.	50	3.0	0.	32	34
2	WBL	MD410	AG335175.471177.335304.471145.	0.	12	1		
1		150	139	2.0	50	32.1	1770	1 3
1	WBL	MD410	AG335396.471121.335543.471097.	50	3.0	0.	32	34
1	WBT	MD410	AG335110.471215.335399.471140.	1675	3.0	0.	44	34
2	WBT	MD410	AG335163.471202.335367.471148.	0.	24	2		
1		150	98	2.0	1675	32.1	1770	1 3
1	WBT	MD410	AG335399.471140.335546.471114.	1675	3.0	0.	44	34
1	WBR	MD410	AG335149.471281.335193.471223.	550	3.0	0.	32	34
1	WBR	MD410	AG335192.471223.335238.471201.	550	3.0	0.	32	34
1	WBR	MD410	AG335238.471201.335553.471128.	550	3.0	0.	32	34
1	WBALL	MD410	AG335547.471114.335816.471081.	2275	3.0	0.	56	34
1	WBALL	MD410	AG335816.471081.336099.471068.	2275	3.0	0.	56	34
1	WBPD	MD410	AG334145.471469.335112.471222.	2415	3.0	0.	44	34
1.0	04	1000	0Y	5	0	72		

JOB: S12 410&201 LLRT 2030AM  
 DATE: 01/11/2008 TIME: 12:37:11.18

RUN: S12 410&201 LLRT 2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	405.	3.0	.0	44.0	
2. NBL	MD201	*	335103.0	471079.0	335103.0	470675.8	*	403.	180. AG	149.	100.0	.0	24.0	1.10 20.5
3. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	935.	3.0	.0	44.0	
4. NBT&R	MD201	*	335127.0	471081.0	335127.0	470848.6	*	232.	180. AG	104.	100.0	.0	24.0	.72 11.8
5. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	40.	3.0	.0	32.0	
6. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1340.	3.0	.0	56.0	
7. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	1790.	3.0	.0	44.0	
8. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	1790.	3.0	.0	44.0	
9. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	1790.	3.0	.0	44.0	
10. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	125.	3.2	.0	32.0	
11. SBL	MD201	*	335124.0	471252.0	335137.7	471339.8	*	89.	9. AG	74.	100.0	.0	12.0	.63 4.5
12. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1815.	3.2	.0	44.0	
13. SBT	MD201	*	335110.0	471271.0	335614.6	474277.4	*	3048.	10. AG	103.	100.0	.0	24.0	1.37 154.9
14. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	335.	3.2	.0	32.0	
15. SBR	MD201	*	335092.0	471287.0	335095.7	471306.8	*	20.	11. AG	6.	100.0	.0	12.0	.24 1.0
16. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2275.	3.2	.0	44.0	
17. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2275.	3.2	.0	44.0	
18. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2275.	3.2	.0	44.0	
19. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1960.	3.2	.0	44.0	
20. SBR	MD201	*	334996.0	471263.0	335099.0	471319.0	*	117.	61. AG	335.	3.2	.0	32.0	
21. EBL	MD410	*	335119.0	471188.0	334753.0	471292.0	*	380.	286. AG	345.	3.3	.0	44.0	
22. EBL	MD410	*	335012.0	471218.0	334878.8	471255.7	*	138.	286. AG	147.	100.0	.0	24.0	.83 7.0
23. EBT&R	MD410	*	335119.0	471163.0	334749.0	471264.0	*	384.	285. AG	1320.	3.3	.0	56.0	
24. EBT&R	MD410	*	335011.0	471192.0	334809.2	471247.6	*	209.	285. AG	150.	100.0	.0	36.0	.66 10.6
25. EBR	MD410	*	335073.0	471137.0	335015.0	471191.0	*	79.	313. AG	365.	3.3	.0	32.0	
26. EBALL	MD410	*	334750.0	471279.0	334128.0	471415.0	*	637.	282. AG	1665.	3.3	.0	56.0	
27. EBDP	MD410	*	336090.0	471018.0	335726.0	471037.0	*	364.	273. AG	1120.	3.3	.0	56.0	
28. EBDP	MD410	*	335726.0	471037.0	335543.0	471060.0	*	184.	277. AG	1120.	3.3	.0	56.0	
29. EBDP	MD410	*	335543.0	471060.0	335123.0	471161.0	*	432.	284. AG	1120.	3.3	.0	56.0	
30. WBL	MD410	*	335121.0	471191.0	335396.0	471121.0	*	284.	104. AG	50.	3.0	.0	32.0	
31. WBL	MD410	*	335175.0	471177.0	335214.0	471167.3	*	40.	104. AG	80.	100.0	.0	12.0	.61 2.0
32. WBL	MD410	*	335396.0	471121.0	335543.0	471097.0	*	149.	99. AG	50.	3.0	.0	32.0	
33. WBT	MD410	*	335110.0	471215.0	335399.0	471140.0	*	299.	105. AG	1675.	3.0	.0	44.0	
34. WBT	MD410	*	335163.0	471202.0	338339.7	470360.5	*	3286.	105. AG	113.	100.0	.0	24.0	1.48 166.9
35. WBT	MD410	*	335399.0	471140.0	335546.0	471114.0	*	149.	100. AG	1675.	3.0	.0	44.0	
36. WBR	MD410	*	335149.0	471281.0	335193.0	471223.0	*	73.	143. AG	550.	3.0	.0	32.0	
37. WBR	MD410	*	335192.0	471223.0	335238.0	471201.0	*	51.	116. AG	550.	3.0	.0	32.0	
38. WBR	MD410	*	335238.0	471201.0	335553.0	471128.0	*	323.	103. AG	550.	3.0	.0	32.0	
39. WBALL	MD410	*	335547.0	471114.0	335816.0	471081.0	*	271.	97. AG	2275.	3.0	.0	56.0	
40. WBALL	MD410	*	335816.0	471081.0	336099.0	471068.0	*	283.	93. AG	2275.	3.0	.0	56.0	
41. WBDP	MD410	*	334145.0	471469.0	335112.0	471222.0	*	998.	104. AG	2415.	3.0	.0	44.0	

JOB: S12 410&201 LLRT 2030AM  
 DATE: 01/11/2008 TIME: 12:37:11.18

RUN: S12 410&201 LLRT 2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. NBL	MD201	*	150	130	2.0	405	1717	32.10	1	3
4. NBT&R	MD201	*	150	91	2.0	935	1770	32.10	1	3
11. SBL	MD201	*	150	129	2.0	125	1770	32.10	1	3
13. SBT	MD201	*	150	90	2.0	1815	1770	32.10	1	3
15. SBR	MD201	*	150	11	2.0	335	1583	32.10	1	3
22. EBL	MD410	*	150	128	2.0	345	1717	32.10	1	3
24. EBT&R	MD410	*	150	87	2.0	1320	1707	32.10	1	3
31. WBL	MD410	*	150	139	2.0	50	1770	32.10	1	3
34. WBT	MD410	*	150	98	2.0	1675	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	335164.0	471081.0	5.0	*
2. SE 82S		*	335147.0	471029.0	5.0	*
3. SE 164S		*	335148.0	470946.0	5.0	*
4. SE 256S		*	335148.0	470862.0	5.0	*
5. SE MIDS		*	335145.0	470710.0	5.0	*
6. SE 82E		*	335216.0	471067.0	5.0	*
7. SE 164E		*	335302.0	471046.0	5.0	*
8. SE 256E		*	335384.0	471027.0	5.0	*
9. SE MIDE		*	335669.0	470972.0	5.0	*
10. NE COR		*	335193.0	471253.0	5.0	*
11. NE 82N		*	335187.0	471316.0	5.0	*
12. NE 164N		*	335204.0	471401.0	5.0	*

13. NE 256N	*	335207.0	471489.0	5.0	*
14. NE MIDN	*	335262.0	471780.0	5.0	*
15. NE 82E	*	335243.0	471230.0	5.0	*
16. NE 164E	*	335325.0	471209.0	5.0	*
17. NE 256E	*	335406.0	471189.0	5.0	*
18. NE MIDE	*	335678.0	471126.0	5.0	*
19. SW COR	*	335031.0	471127.0	5.0	*
20. SW 82S	*	335048.0	471070.0	5.0	*
21. SW 164S	*	335049.0	470999.0	5.0	*
22. SW 256S	*	335048.0	470923.0	5.0	*
23. SW MIDS	*	335042.0	470711.0	5.0	*
24. SW 82W	*	334979.0	471146.0	5.0	*
25. SW 164W	*	334890.0	471168.0	5.0	*
26. SW 256W	*	334818.0	471192.0	5.0	*
27. SW MIDW	*	334609.0	471258.0	5.0	*
28. NW COR	*	335028.0	471298.0	5.0	*
29. NW 82N	*	335060.0	471344.0	5.0	*
30. NW 164N	*	335077.0	471429.0	5.0	*
31. NW 256N	*	335092.0	471505.0	5.0	*
32. NW MIDN	*	335149.0	471783.0	5.0	*
33. NW 82W	*	334970.0	471290.0	5.0	*
34. NW 164W	*	334887.0	471314.0	5.0	*
35. NW 256W	*	334809.0	471339.0	5.0	*
36. NW MIDW	*	334620.0	471387.0	5.0	*

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JOB: S12 410&amp;201 LLRT 2030AM

RUN: S12 410&amp;201 LLRT 2030AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.4	.5	.5	.5	.4	.3	.3	.4	.5	.5	.5	.7	.1	.1	.1	.0	.3	.4
5.	*	.5	.4	.3	.5	.4	.4	.2	.3	.4	.5	.4	.5	.5	.1	.1	.0	.0	.3	.5
10.	*	.5	.4	.3	.3	.4	.4	.3	.2	.3	.2	.4	.2	.5	.1	.0	.0	.0	.5	.8
15.	*	.4	.3	.4	.3	.1	.4	.3	.2	.3	.1	.2	.2	.3	.0	.0	.0	.0	.6	.8
20.	*	.3	.2	.1	.1	.0	.3	.3	.2	.3	.0	.2	.1	.2	.2	.0	.0	.0	.7	.6
25.	*	.3	.1	.1	.1	.0	.3	.3	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.7	.5
30.	*	.3	.1	.1	.1	.0	.3	.3	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.6	.4
35.	*	.3	.1	.1	.1	.0	.3	.2	.3	.2	.0	.0	.0	.0	.1	.0	.0	.0	.6	.2
40.	*	.3	.1	.1	.1	.0	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2
45.	*	.3	.1	.1	.1	.0	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3
50.	*	.3	.1	.1	.1	.0	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4
55.	*	.3	.2	.1	.1	.0	.3	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4
60.	*	.3	.2	.1	.1	.1	.3	.2	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
65.	*	.3	.2	.1	.1	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
70.	*	.2	.2	.1	.1	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
75.	*	.2	.1	.1	.1	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.1	.4	.5
80.	*	.3	.1	.1	.1	.1	.3	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6
85.	*	.3	.1	.1	.1	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.1	.6	.6
90.	*	.3	.1	.1	.1	.1	.3	.2	.2	.2	.0	.0	.0	.0	.1	.1	.1	.2	.5	.6
95.	*	.3	.1	.1	.1	.0	.2	.2	.2	.2	.1	.0	.0	.0	.1	.1	.1	.4	.5	.6
100.	*	.1	.1	.1	.0	.0	.1	.1	.1	.2	.1	.1	.0	.0	.2	.2	.3	.4	.5	.6
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.0	.2	.3	.3	.5	.3	.6
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.1	.0	.4	.5	.7	.3	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.8	.4	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.6	.7	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.5	.6	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.5	.6	.4
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.6	.6	.5	.6	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.4	.5	.6
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.5	.4	.5
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.5	.5	.4	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.5	.5	.4	.5
160.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.4	.5	.4	.5
165.	*	.0	.2	.0	.1	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.4	.4	.5	.7
170.	*	.0	.3	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.2	.0	.4	.4	.4	.5	.4
175.	*	.2	.4	.4	.2	.2	.0	.0	.0	.0	.4	.2	.1	.2	.1	.4	.4	.4	.5	.3
180.	*	.3	.7	.5	.3	.2	.0	.0	.0	.0	.5	.3	.2	.1	.2	.4	.4	.4	.5	.2
185.	*	.6	.8	.7	.4	.3	.0	.0	.0	.0	.7	.5	.4	.3	.3	.4	.4	.5	.5	.2
190.	*	.6	1.0	.8	.5	.3	.2	.0	.0	.0	.7	.6	.3	.4	.4	.5	.4	.5	.1	.2
195.	*	.6	.9	.9	.5	.3	.3	.0	.0	.0	.5	.5	.3	.6	.5	.7	.4	.4	.5	.0
200.	*	.7	.9	.9	.6	.3	.3	.0	.0	.0	.5	.4	.3	.6	.6	.7	.5	.4	.5	.0
205.	*	.8	.9	.9	.5	.3	.4	.1	.0	.0	.6	.3	.4	.5	.6	.7	.5	.4	.5	.0

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JOB: S12 410&amp;201 LLRT 2030AM

RUN: S12 410&amp;201 LLRT 2030AM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.8	.9	.9	.6	.3	.4	.2	.0	.0	.5	.3	.5	.5	.7	.7	.6	.4	.5	.0
215.	*	.8	.9	.9	.7	.4	.4	.2	.0	.0	.5	.4	.5	.6	.7	.8	.7	.5	.5	.0
220.	*	.8	.9	.9	.7	.4	.4	.2	.1	.0	.4	.5	.6	.6	.6	.8	.7	.5	.5	.0



225.	*	.8	.9	.9	.7	.3	.4	.3	.1	.0	.3	.5	.6	.7	.6	.7	.7	.6	.5	.0	.0
230.	*	.6	.9	.8	.7	.4	.4	.3	.1	.0	.4	.6	.6	.8	.6	.4	.5	.6	.5	.0	.0
235.	*	.6	.8	.8	.8	.4	.4	.3	.1	.0	.5	.7	.7	.8	.6	.4	.6	.6	.0	.0	
240.	*	.6	.8	.8	.8	.4	.4	.3	.1	.0	.5	.8	.7	.6	.6	.4	.5	.6	.5	.0	.0
245.	*	.6	.8	.8	.8	.4	.4	.3	.1	.0	.7	.8	.7	.6	.5	.4	.5	.6	.5	.0	.0
250.	*	.6	.8	.8	.7	.5	.3	.2	.2	.0	.7	.8	.6	.6	.5	.2	.3	.5	.5	.0	.0
255.	*	.6	.8	.8	.8	.5	.3	.2	.2	.0	.7	.7	.4	.6	.5	.5	.3	.5	.5	.0	.0
260.	*	.6	.8	.8	.8	.5	.3	.2	.2	.0	.7	.7	.4	.5	.4	.5	.3	.4	.6	.0	.0
265.	*	.4	.8	.8	.8	.5	.3	.2	.2	.0	.8	.6	.4	.5	.5	.6	.5	.4	.5	.0	.0
270.	*	.4	.8	.8	.8	.5	.3	.2	.2	.0	.7	.5	.4	.5	.5	.6	.4	.5	.4	.0	.0
275.	*	.4	.8	.8	.8	.5	.3	.2	.1	.0	.8	.6	.3	.5	.5	.5	.4	.3	.4	.0	.0
280.	*	.4	.8	.8	.8	.5	.3	.1	.0	.0	.9	.7	.3	.5	.5	.5	.4	.3	.3	.1	.0
285.	*	.4	.8	.8	.8	.5	.2	.2	.0	.1	.6	.7	.3	.5	.6	.3	.1	.3	.2	.2	.0
290.	*	.5	.8	.8	.8	.5	.4	.2	.1	.2	.6	.4	.3	.5	.6	.4	.1	.1	.2	.3	.0
295.	*	.6	1.0	.8	.8	.5	.4	.2	.1	.2	.6	.3	.4	.5	.6	.4	.1	.0	.1	.4	.2
300.	*	.6	1.0	.8	.8	.5	.5	.2	.2	.2	.5	.4	.3	.5	.5	.3	.1	.0	.1	.5	.2
305.	*	.6	.9	.9	.8	.5	.5	.2	.3	.1	.5	.5	.4	.5	.5	.3	.1	.1	.0	.6	.2
310.	*	.6	1.1	1.0	.8	.5	.3	.2	.3	.3	.4	.5	.5	.5	.5	.3	.1	.1	.0	.6	.4
315.	*	.6	1.1	1.1	.9	.5	.1	.2	.3	.3	.4	.5	.5	.5	.5	.3	.1	.1	.0	.6	.5
320.	*	.4	1.1	1.1	1.0	.6	.2	.3	.3	.4	.4	.5	.5	.5	.5	.3	.1	.1	.0	.7	.5
325.	*	.3	1.0	1.1	1.0	.7	.2	.4	.4	.4	.4	.5	.5	.6	.5	.3	.2	.1	.0	.7	.5
330.	*	.2	.8	1.1	1.0	.7	.1	.4	.4	.3	.4	.5	.5	.6	.5	.2	.2	.1	.0	.6	.5
335.	*	.3	.7	.8	.9	.7	.5	.4	.4	.3	.4	.6	.5	.6	.5	.2	.1	.1	.0	.6	.4
340.	*	.4	.6	.8	.9	.8	.5	.4	.4	.3	.5	.6	.5	.6	.5	.3	.1	.1	.0	.5	.4
345.	*	.5	.4	.7	.9	.7	.5	.4	.4	.3	.5	.5	.5	.6	.5	.3	.1	.1	.0	.4	.4
350.	*	.5	.5	.7	.9	.6	.5	.4	.4	.3	.4	.5	.5	.5	.6	.3	.1	.1	.0	.4	.5
355.	*	.5	.5	.5	.8	.6	.5	.4	.3	.3	.4	.5	.5	.5	.7	.3	.1	.1	.0	.4	.4
360.	*	.6	.4	.5	.5	.5	.5	.4	.3	.3	.4	.5	.5	.5	.7	.1	.1	.1	.0	.3	.4
MAX	*	.8	1.1	1.1	1.0	.8	.5	.4	.4	.4	.9	.8	.7	.8	.7	.8	.7	.6	.8	.7	.8
DEGR.	*	205	310	315	320	340	0	0	325	60	280	240	235	230	0	215	215	120	115	20	10

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JOB: S12 410&201 LLRT 2030AM

RUN: S12 410&201 LLRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
0.	*	.3	.3	.4	.7	.6	.4	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0
5.	*	.3	.5	.6	.8	.6	.4	.2	.1	.1	.1	.1	.2	.1	.0	.0	.0
10.	*	.4	.5	.7	.8	.8	.5	.2	.1	.3	.3	.3	.2	.1	.0	.0	.0
15.	*	.5	.5	.7	.7	.8	.6	.2	.3	.3	.3	.3	.4	.1	.1	.0	.0
20.	*	.6	.7	.7	.6	.8	.6	.2	.3	.3	.3	.3	.5	.1	.1	.1	.0
25.	*	.5	.7	.7	.6	.8	.6	.2	.3	.4	.4	.3	.5	.2	.1	.1	.0
30.	*	.4	.6	.7	.8	.8	.6	.3	.4	.4	.5	.4	.5	.2	.1	.1	.0
35.	*	.5	.8	.8	.8	.8	.7	.3	.4	.5	.5	.5	.4	.2	.1	.1	.0
40.	*	.7	.8	.6	.6	.8	.7	.2	.5	.5	.5	.5	.5	.2	.1	.1	.0
45.	*	.6	.7	.6	.6	.8	.7	.2	.4	.5	.5	.5	.5	.3	.2	.1	.0
50.	*	.6	.7	.6	.6	.8	.7	.2	.3	.4	.5	.5	.4	.2	.1	.1	.0
55.	*	.6	.7	.5	.3	.8	.7	.2	.3	.4	.4	.5	.4	.2	.1	.1	.0
60.	*	.6	.7	.5	.2	.6	.8	.2	.3	.4	.4	.5	.4	.3	.1	.1	.0
65.	*	.6	.7	.6	.2	.6	.7	.2	.3	.4	.4	.5	.5	.3	.1	.1	.0
70.	*	.6	.6	.6	.4	.5	.7	.2	.3	.4	.4	.5	.5	.3	.1	.1	.0
75.	*	.7	.6	.6	.4	.5	.7	.2	.3	.4	.4	.5	.5	.3	.1	.1	.0
80.	*	.7	.6	.6	.4	.6	.6	.3	.3	.4	.4	.5	.5	.3	.1	.1	.0
85.	*	.7	.7	.6	.5	.3	.7	.4	.4	.4	.5	.5	.4	.2	.1	.1	.0
90.	*	.7	.7	.5	.5	.3	.5	.6	.4	.4	.5	.5	.4	.3	.1	.0	.0
95.	*	.7	.7	.5	.4	.3	.5	.5	.5	.4	.4	.5	.4	.4	.2	.2	.2
100.	*	.7	.6	.5	.4	.2	.3	.4	.5	.6	.4	.5	.5	.3	.2	.2	.2
105.	*	.7	.5	.5	.2	.2	.3	.3	.5	.6	.5	.4	.5	.5	.2	.2	.3
110.	*	.5	.5	.5	.2	.2	.1	.2	.6	.6	.5	.5	.5	.6	.3	.4	.4
115.	*	.6	.6	.4	.2	.2	.1	.0	.5	.7	.5	.5	.5	.5	.4	.5	.4
120.	*	.6	.6	.4	.3	.3	.1	.0	.5	.7	.5	.5	.5	.4	.5	.6	.5
125.	*	.6	.6	.4	.3	.3	.1	.0	.4	.6	.5	.5	.6	.4	.7	.5	.6
130.	*	.6	.6	.4	.3	.3	.1	.0	.4	.6	.5	.5	.6	.3	.7	.6	.5
135.	*	.6	.6	.4	.3	.3	.1	.0	.4	.6	.5	.5	.6	.6	.7	.7	.4
140.	*	.7	.7	.3	.4	.2	.2	.0	.2	.6	.5	.5	.4	.6	.9	.7	.3
145.	*	.7	.7	.4	.4	.2	.2	.0	.1	.5	.5	.6	.5	.7	.9	.7	.3
150.	*	.7	.7	.4	.4	.2	.2	.0	.4	.2	.5	.6	.5	.8	.9	.7	.3
155.	*	.7	.7	.4	.4	.2	.0	.0	.5	.2	.5	.6	.5	.9	.9	.6	.3
160.	*	.8	.6	.4	.2	.2	.0	.0	.6	.4	.3	.5	.5	.8	.9	.5	.3
165.	*	.6	.6	.4	.2	.1	.0	.0	.6	.5	.4	.4	.5	.9	.9	.5	.3
170.	*	.6	.6	.4	.2	.0	.0	.0	.6	.5	.4	.5	.5	.9	.7	.5	.3
175.	*	.6	.5	.3	.2	.0	.0	.0	.5	.3	.4	.4	.5	.9	.7	.4	.3
180.	*	.4	.4	.2	.1	.0	.0	.0	.6	.3	.4	.4	.4	.8	.7	.4	.3
185.	*	.3	.2	.2	.0	.0	.0	.0	.7	.3	.3	.4	.4	.7	.6	.4	.3
190.	*	.2	.2	.1	.0	.0	.0	.0	.6	.3	.2	.1	.2	.7	.6	.4	.3
195.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.2	.0	.2	.7	.6	.3	.3
200.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.3	.1	.1	.7	.6	.3	.3
205.	*	.1	.1	.0	.0	.0	.0	.0	.6	.3	.3	.2	.0	.7	.5	.3	.3

1

JOB: S12 410&201 LLRT 2030AM

RUN: S12 410&201 LLRT 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
210.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.7	.5	.3	.3	
215.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.7	.5	.2	.3	
220.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.7	.5	.2	.3	
225.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.7	.4	.3	.3	
230.	*	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.7	.4	.3	.3	
235.	*	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.7	.4	.3	.3	
240.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.7	.4	.3	.3	
245.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.8	.3	.3	.3	
250.	*	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.3	.3	.3	
255.	*	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.4	.3	.3	
260.	*	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.6	.4	.4	.4	
265.	*	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.6	.4	.4	.4	
270.	*	.0	.0	.0	.0	.0	.0	.3	.1	.1	.0	.0	.4	.4	.4	.3	
275.	*	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.4	.4	.3	.3	
280.	*	.0	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	.4	.3	.3	.3	
285.	*	.0	.0	.0	.2	.1	.1	.1	.1	.0	.0	.0	.3	.3	.3	.1	
290.	*	.0	.0	.0	.4	.2	.2	.2	.1	.0	.0	.0	.2	.1	.1	.1	
295.	*	.0	.0	.0	.5	.3	.2	.3	.0	.0	.0	.0	.1	.1	.1	.1	
300.	*	.0	.0	.0	.5	.4	.2	.3	.0	.0	.0	.0	.1	.1	.0	.0	
305.	*	.1	.0	.0	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.2	.0	.0	.6	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.2	.0	.0	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.2	.1	.0	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.3	.2	.0	.7	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.3	.2	.0	.7	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.3	.1	.0	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.4	.2	.0	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.4	.2	.1	.7	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.4	.2	.1	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.4	.3	.3	.7	.6	.4	.2	.0	.0	.0	.1	.0	.0	.0	.0	
360.	*	.3	.3	.4	.7	.6	.4	.2	.1	.1	.1	.1	.0	.0	.0	.0	
MAX	*	.8	.8	.8	.8	.8	.8	.6	.7	.7	.5	.6	.6	.9	.9	.7	.6
DEGR.	*	160	35	35	5	10	60	90	185	115	30	145	125	155	140	135	125

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 310 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 315 DEGREES FROM REC3 .  
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 320 DEGREES FROM REC4 .

S12 410&201 LLRT 2030PM				60.0321.0.0000.000360.30480000	1	1
SE COR		335164.	471081.	5.0		
SE 82S		335147.	471029.	5.0		
SE 164S		335148.	470946.	5.0		
SE 256S		335148.	470862.	5.0		
SE MIDS		335145.	470710.	5.0		
SE 82E		335216.	471067.	5.0		
SE 164E		335302.	471046.	5.0		
SE 256E		335384.	471027.	5.0		
SE MIDE		335669.	470972.	5.0		
NE COR		335193.	471253.	5.0		
NE 82N		335187.	471316.	5.0		
NE 164N		335204.	471401.	5.0		
NE 256N		335207.	471489.	5.0		
NE MIDN		335262.	471780.	5.0		
NE 82E		335243.	471230.	5.0		
NE 164E		335325.	471209.	5.0		
NE 256E		335406.	471189.	5.0		
NE MIDE		335678.	471126.	5.0		
SW COR		335031.	471127.	5.0		
SW 82S		335048.	471070.	5.0		
SW 164S		335049.	470999.	5.0		
SW 256S		335048.	470923.	5.0		
SW MIDS		335042.	470711.	5.0		
SW 82W		334979.	471146.	5.0		
SW 164W		334890.	471168.	5.0		
SW 256W		334818.	471192.	5.0		
SW MIDW		334609.	471258.	5.0		
NW COR		335028.	471298.	5.0		
NW 82N		335060.	471344.	5.0		
NW 164N		335077.	471429.	5.0		
NW 256N		335092.	471505.	5.0		
NW MIDN		335149.	471783.	5.0		
NW 82W		334970.	471290.	5.0		
NW 164W		334887.	471314.	5.0		
NW 256W		334809.	471339.	5.0		
NW MIDW		334620.	471387.	5.0		
S12 410&201 LLRT 2030PM				41	1	0
1						
NBL	MD201	AG335103.471187.335103.470844.	455	3.0	0.	44 30
2						
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2	
150	130	2.0 455 32.1 1717 1 3				
1						
NBT&R	MD201	AG335127.471184.335127.470844.	1360	3.0	0.	44 30
2						
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2	
150	91	2.0 1360 32.1 1770 1 3				
1						
NBR	MD201	AG335215.471131.335128.471086.	55	3.0	0.	32 30
1						
NBALL	MD201	AG335117.470845.335128.470197.	1815	3.0	0.	56 30
1						
NBDP	MD201	AG335351.472166.335281.471962.	2270	3.0	0.	44 30
1						
NBDP	MD201	AG335281.471962.335220.471692.	2270	3.0	0.	44 30
1						
NBDP	MD201	AG335220.471692.335134.471213.	2270	3.0	0.	44 30
1						
SBL	MD201	AG335116.471204.335153.471436.	415	3.2	0.	32 23
2						
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1	
150	129	2.0 415 32.1 1770 1 3				
1						
SBT	MD201	AG335099.471207.335138.471435.	1430	3.2	0.	44 23
2						
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2	
150	90	2.0 1430 32.1 1770 1 3				
1						
SBR	MD201	AG335081.471226.335119.471436.	190	3.2	0.	32 23
2						
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1	
150	11	2.0 190 32.1 1583 1 3				
1						
SBALL	MD201	AG335136.471437.335203.471800.	2035	3.2	0.	44 23
1						
SBALL	MD201	AG335203.471800.335240.471959.	2035	3.2	0.	44 23
1						
SBALL	MD201	AG335240.471959.335319.472174.	2035	3.2	0.	44 23
1						
SBDP	MD201	AG335061.470196.335076.471195.	2080	3.2	0.	44 23
1						
SBR	MD201	AG334996.471263.335099.471319.	190	3.2	0.	32 24
1						
EBL	MD410	AG335119.471188.334753.471292.	665	3.3	0.	44 40
2						
EBL	MD410	AG335012.471218.334892.471252.	0.	24	2	
150	128	2.0 665 32.1 1717 1 3				
1						
EBT&R	MD410	AG335119.471163.334749.471264.	2090	3.3	0.	56 40
2						
EBT&R	MD410	AG335011.471192.334833.471241.	0.	36	3	
150	87	2.0 2090 32.1 1707 1 3				
1						
EBR	MD410	AG335073.471137.335015.471191.	495	3.3	0.	32 40

1	EBALL	MD410	AG334750.471279.334128.471415.	2755	3.3	0.	56	40
1	EBDP	MD410	AG336090.471018.335726.471037.	2065	3.3	0.	56	40
1	EBDP	MD410	AG335726.471037.335543.471060.	2065	3.3	0.	56	40
1	EBDP	MD410	AG335543.471060.335123.471161.	2065	3.3	0.	56	40
1	WBL	MD410	AG335121.471191.335396.471121.	155	3.0	0.	32	34
2	WBL	MD410	AG335175.471177.335304.471145.	0.	12	1		
150		139	2.0 155 32.1 1770 1 3					
1	WBL	MD410	AG335396.471121.335543.471097.	155	3.0	0.	32	34
1	WBT	MD410	AG335110.471215.335399.471140.	1630	3.0	0.	44	34
2	WBT	MD410	AG335163.471202.335367.471148.	0.	24	2		
150		98	2.0 1630 32.1 1770 1 3					
1	WBT	MD410	AG335399.471140.335546.471114.	1630	3.0	0.	44	34
1	WBR	MD410	AG335149.471281.335193.471223.	300	3.0	0.	32	34
1	WBR	MD410	AG335192.471223.335238.471201.	300	3.0	0.	32	34
1	WBR	MD410	AG335238.471201.335553.471128.	300	3.0	0.	32	34
1	WBALL	MD410	AG335547.471114.335816.471081.	2085	3.0	0.	56	34
1	WBALL	MD410	AG335816.471081.336099.471068.	2085	3.0	0.	56	34
1	WBPD	MD410	AG334145.471469.335112.471222.	2275	3.0	0.	44	34
1.0	04	1000	0Y 5 0 72					

JOB: S12 410&201 LLRT 2030PM  
 DATE: 01/11/2008 TIME: 12:59:49.76

RUN: S12 410&201 LLRT 2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		LINK COORDINATES (FT)				LENGTH		BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		X1	Y1	X2	Y2	(FT)	(DEG)			(G/MI)	(FT)	(FT)		(VEH)
1. NBL	MD201	* 335103.0	471187.0	335103.0	470844.0	* 343.	180.	AG	455.	3.0	.0	44.0		
2. NBL	MD201	* 335103.0	471079.0	335103.0	470403.0	* 676.	180.	AG	149.	100.0	.0	24.0	1.24	34.3
3. NBT&R	MD201	* 335127.0	471184.0	335127.0	470844.0	* 340.	180.	AG	1360.	3.0	.0	44.0		
4. NBT&R	MD201	* 335127.0	471081.0	335127.0	470308.2	* 773.	180.	AG	104.	100.0	.0	24.0	1.05	39.3
5. NBR	MD201	* 335215.0	471131.0	335128.0	471086.0	* 98.	243.	AG	55.	3.0	.0	32.0		
6. NBALL	MD201	* 335117.0	470845.0	335128.0	470197.0	* 648.	179.	AG	1815.	3.0	.0	56.0		
7. NBDP	MD201	* 335351.0	472166.0	335281.0	471962.0	* 216.	199.	AG	2270.	3.0	.0	44.0		
8. NBDP	MD201	* 335281.0	471962.0	335220.0	471692.0	* 277.	193.	AG	2270.	3.0	.0	44.0		
9. NBDP	MD201	* 335220.0	471692.0	335134.0	471213.0	* 487.	190.	AG	2270.	3.0	.0	44.0		
10. SBL	MD201	* 335116.0	471204.0	335153.0	471436.0	* 235.	9.	AG	415.	3.2	.0	32.0		
11. SBL	MD201	* 335124.0	471252.0	335518.5	473772.8	* 2551.	9.	AG	74.	100.0	.0	12.0	2.08	129.6
12. SBT	MD201	* 335099.0	471207.0	335138.0	471435.0	* 231.	10.	AG	1430.	3.2	.0	44.0		
13. SBT	MD201	* 335110.0	471271.0	335280.2	472284.9	* 1028.	10.	AG	103.	100.0	.0	24.0	1.08	52.2
14. SBR	MD201	* 335081.0	471226.0	335119.0	471436.0	* 213.	10.	AG	190.	3.2	.0	32.0		
15. SBR	MD201	* 335092.0	471287.0	335094.1	471298.2	* 11.	11.	AG	6.	100.0	.0	12.0	.13	.6
16. SBALL	MD201	* 335136.0	471437.0	335203.0	471800.0	* 369.	10.	AG	2035.	3.2	.0	44.0		
17. SBALL	MD201	* 335203.0	471800.0	335240.0	471959.0	* 163.	13.	AG	2035.	3.2	.0	44.0		
18. SBALL	MD201	* 335240.0	471959.0	335319.0	472174.0	* 229.	20.	AG	2035.	3.2	.0	44.0		
19. SBDP	MD201	* 335061.0	470196.0	335076.0	471195.0	* 999.	1.	AG	2080.	3.2	.0	44.0		
20. SBR	MD201	* 334996.0	471263.0	335099.0	471319.0	* 117.	61.	AG	190.	3.2	.0	32.0		
21. EBL	MD410	* 335119.0	471188.0	334753.0	471292.0	* 380.	286.	AG	665.	3.3	.0	44.0		
22. EBL	MD410	* 335012.0	471218.0	333487.1	471650.0	* 1585.	286.	AG	147.	100.0	.0	24.0	1.61	80.5
23. EBT&R	MD410	* 335119.0	471163.0	334749.0	471264.0	* 384.	285.	AG	2090.	3.3	.0	56.0		
24. EBT&R	MD410	* 335011.0	471192.0	334329.0	471379.8	* 707.	285.	AG	150.	100.0	.0	36.0	1.04	35.9
25. EBR	MD410	* 335073.0	471137.0	335015.0	471191.0	* 79.	313.	AG	495.	3.3	.0	32.0		
26. EBALL	MD410	* 334750.0	471279.0	334128.0	471415.0	* 637.	282.	AG	2755.	3.3	.0	56.0		
27. EBDP	MD410	* 336090.0	471018.0	335726.0	471037.0	* 364.	273.	AG	2065.	3.3	.0	56.0		
28. EBDP	MD410	* 335726.0	471037.0	335543.0	471060.0	* 184.	277.	AG	2065.	3.3	.0	56.0		
29. EBDP	MD410	* 335543.0	471060.0	335123.0	471161.0	* 432.	284.	AG	2065.	3.3	.0	56.0		
30. WBL	MD410	* 335121.0	471191.0	335396.0	471121.0	* 284.	104.	AG	155.	3.0	.0	32.0		
31. WBL	MD410	* 335175.0	471177.0	336067.8	470955.7	* 920.	104.	AG	80.	100.0	.0	12.0	1.89	46.7
32. WBL	MD410	* 335396.0	471121.0	335543.0	471097.0	* 149.	99.	AG	155.	3.0	.0	32.0		
33. WBT	MD410	* 335110.0	471215.0	335399.0	471140.0	* 299.	105.	AG	1630.	3.0	.0	44.0		
34. WBT	MD410	* 335163.0	471202.0	338114.6	470420.2	* 3053.	105.	AG	113.	100.0	.0	24.0	1.44	155.1
35. WBT	MD410	* 335399.0	471140.0	335546.0	471114.0	* 149.	100.	AG	1630.	3.0	.0	44.0		
36. WBR	MD410	* 335149.0	471281.0	335193.0	471223.0	* 73.	143.	AG	300.	3.0	.0	32.0		
37. WBR	MD410	* 335192.0	471223.0	335238.0	471201.0	* 51.	116.	AG	300.	3.0	.0	32.0		
38. WBR	MD410	* 335238.0	471201.0	335553.0	471128.0	* 323.	103.	AG	300.	3.0	.0	32.0		
39. WBALL	MD410	* 335547.0	471114.0	335816.0	471081.0	* 271.	97.	AG	2085.	3.0	.0	56.0		
40. WBALL	MD410	* 335816.0	471081.0	336099.0	471068.0	* 283.	93.	AG	2085.	3.0	.0	56.0		
41. WBDP	MD410	* 334145.0	471469.0	335112.0	471222.0	* 998.	104.	AG	2275.	3.0	.0	44.0		

JOB: S12 410&201 LLRT 2030PM  
 DATE: 01/11/2008 TIME: 12:59:49.76

RUN: S12 410&201 LLRT 2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. NBL	MD201	* 150	130	2.0	455	1717	32.10	1	3
4. NBT&R	MD201	* 150	91	2.0	1360	1770	32.10	1	3
11. SBL	MD201	* 150	129	2.0	415	1770	32.10	1	3
13. SBT	MD201	* 150	90	2.0	1430	1770	32.10	1	3
15. SBR	MD201	* 150	11	2.0	190	1583	32.10	1	3
22. EBL	MD410	* 150	128	2.0	665	1717	32.10	1	3
24. EBT&R	MD410	* 150	87	2.0	2090	1707	32.10	1	3
31. WBL	MD410	* 150	139	2.0	155	1770	32.10	1	3
34. WBT	MD410	* 150	98	2.0	1630	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		COORDINATES (FT)		
		X	Y	Z
1. SE COR	*	335164.0	471081.0	5.0
2. SE 82S	*	335147.0	471029.0	5.0
3. SE 164S	*	335148.0	470946.0	5.0
4. SE 256S	*	335148.0	470862.0	5.0
5. SE MIDS	*	335145.0	470710.0	5.0
6. SE 82E	*	335216.0	471067.0	5.0
7. SE 164E	*	335302.0	471046.0	5.0
8. SE 256E	*	335384.0	471027.0	5.0
9. SE MIDE	*	335669.0	470972.0	5.0
10. NE COR	*	335193.0	471253.0	5.0
11. NE 82N	*	335187.0	471316.0	5.0
12. NE 164N	*	335204.0	471401.0	5.0

13. NE 256N	*	335207.0	471489.0	5.0	*
14. NE MIDN	*	335262.0	471780.0	5.0	*
15. NE 82E	*	335243.0	471230.0	5.0	*
16. NE 164E	*	335325.0	471209.0	5.0	*
17. NE 256E	*	335406.0	471189.0	5.0	*
18. NE MIDE	*	335678.0	471126.0	5.0	*
19. SW COR	*	335031.0	471127.0	5.0	*
20. SW 82S	*	335048.0	471070.0	5.0	*
21. SW 164S	*	335049.0	470999.0	5.0	*
22. SW 256S	*	335048.0	470923.0	5.0	*
23. SW MIDS	*	335042.0	470711.0	5.0	*
24. SW 82W	*	334979.0	471146.0	5.0	*
25. SW 164W	*	334890.0	471168.0	5.0	*
26. SW 256W	*	334818.0	471192.0	5.0	*
27. SW MIDW	*	334609.0	471258.0	5.0	*
28. NW COR	*	335028.0	471298.0	5.0	*
29. NW 82N	*	335060.0	471344.0	5.0	*
30. NW 164N	*	335077.0	471429.0	5.0	*
31. NW 256N	*	335092.0	471505.0	5.0	*
32. NW MIDN	*	335149.0	471783.0	5.0	*
33. NW 82W	*	334970.0	471290.0	5.0	*
34. NW 164W	*	334887.0	471314.0	5.0	*
35. NW 256W	*	334809.0	471339.0	5.0	*
36. NW MIDW	*	334620.0	471387.0	5.0	*

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JOB: S12 410&amp;201 LLRT 2030PM

RUN: S12 410&amp;201 LLRT 2030PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.6	.7	.8	.7	1.1	.7	.6	.3	.4	.4	.6	.6	.9	.7	.3	.1	.0	.0	.4	.5
5.	*	.6	.6	.5	.7	.6	.7	.4	.3	.4	.4	.5	.5	.8	.7	.2	.0	.0	.0	.5	.6
10.	*	.6	.6	.6	.4	.4	.5	.4	.3	.4	.3	.5	.3	.6	.7	.0	.0	.0	.0	.5	.7
15.	*	.7	.6	.4	.2	.2	.4	.4	.3	.4	.3	.3	.5	.4	.0	.0	.0	.0	.7	.7	
20.	*	.4	.3	.3	.2	.2	.4	.4	.3	.4	.0	.1	.1	.2	.2	.0	.0	.0	.8	.8	
25.	*	.4	.2	.2	.1	.0	.4	.4	.4	.4	.0	.0	.1	.1	.0	.0	.0	.0	.7	.7	
30.	*	.4	.2	.2	.1	.0	.4	.4	.4	.4	.0	.0	.0	.1	.1	.0	.0	.0	.7	.6	
35.	*	.4	.3	.2	.1	.0	.4	.3	.4	.4	.0	.0	.0	.1	.1	.0	.0	.0	.7	.5	
40.	*	.4	.3	.2	.1	.0	.4	.3	.4	.5	.0	.0	.0	.0	.1	.0	.0	.0	.5	.2	
45.	*	.4	.3	.2	.1	.0	.4	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	
50.	*	.4	.3	.2	.1	.0	.4	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	
55.	*	.4	.3	.2	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	
60.	*	.4	.3	.2	.1	.1	.3	.3	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	
65.	*	.5	.3	.2	.1	.1	.3	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	
70.	*	.4	.3	.1	.1	.1	.3	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	
75.	*	.4	.3	.1	.1	.1	.3	.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.7	.7	
80.	*	.4	.3	.1	.1	.1	.4	.4	.6	.4	.0	.0	.0	.0	.0	.0	.0	.1	.8	.8	
85.	*	.4	.3	.1	.1	.1	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.1	.8	.8	
90.	*	.4	.2	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.1	.1	.1	.2	.7	.9	
95.	*	.4	.1	.1	.1	.0	.4	.4	.4	.4	.1	.0	.0	.0	.1	.1	.1	.4	.7	.9	
100.	*	.3	.1	.1	.0	.0	.3	.2	.1	.2	.1	.1	.0	.0	.3	.2	.3	.5	.6	.7	
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.3	.1	.1	.1	.0	.3	.3	.4	.6	.7	
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.3	.1	.1	.1	.0	.4	.5	.6	.7	.5	
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.6	.5	.6	.8	.5	
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.6	.6	.7	.7	.5	
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.6	.7	.6	.6	.5	
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.1	.0	.6	.7	.6	.6	.5	
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.6	.6	.6	.6	.8	
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.0	.5	.5	.5	.6	.9	
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.1	.0	.5	.5	.5	.7	.6	
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.0	.5	.5	.5	.7	.6	
155.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.4	.2	.1	.0	.5	.5	.5	.6	.8	
160.	*	.0	.2	.1	.1	.2	.0	.0	.0	.0	.5	.4	.2	.1	.0	.5	.5	.5	.6	.9	
165.	*	.1	.3	.2	.2	.2	.0	.0	.0	.0	.5	.4	.2	.2	.0	.5	.5	.5	.6	.5	
170.	*	.2	.4	.5	.4	.5	.0	.0	.0	.0	.5	.4	.2	.2	.1	.5	.5	.5	.6	.8	
175.	*	.2	.7	.6	.6	.6	.0	.0	.0	.0	.7	.5	.2	.2	.1	.5	.5	.5	.6	.5	
180.	*	.7	1.0	.8	.8	.9	.2	.0	.0	.0	.7	.5	.3	.4	.2	.7	.5	.5	.6	.3	
185.	*	.7	1.1	1.0	1.0	1.0	.3	.0	.0	.0	.8	.6	.5	.5	.3	.7	.5	.5	.6	.2	
190.	*	.9	1.2	1.1	1.1	1.2	.4	.0	.0	.0	.9	.8	.4	.6	.6	.8	.5	.6	.6	.1	
195.	*	.9	1.3	1.2	1.2	1.2	.5	.2	.0	.0	.8	.6	.4	.8	.6	.8	.7	.5	.6	.0	
200.	*	.8	1.2	1.3	1.2	1.2	.6	.2	.0	.0	.7	.5	.5	.8	.7	.8	.7	.6	.6	.0	
205.	*	.8	1.2	1.2	1.2	1.3	.5	.3	.2	.0	.7	.4	.5	.6	.8	.8	.8	.7	.6	.0	

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JOB: S12 410&amp;201 LLRT 2030PM

RUN: S12 410&amp;201 LLRT 2030PM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.8	1.1	1.1	1.1	1.2	.6	.3	.2	.0	.7	.4	.6	.6	.8	.9	.8	.7	.6	.0
215.	*	.8	1.0	1.0	1.1	1.0	.6	.3	.2	.0	.6	.4	.5	.7	.8	.9	.8	.7	.6	.0
220.	*	.8	1.0	1.0	1.0	1.0	.5	.3	.2	.0	.3	.5	.6	.8	.9	.9	.8	.7	.6	.0

225.	*	.8	1.0	1.0	1.0	1.0	.5	.3	.2	.0	.4	.6	.8	1.0	.8	.8	.8	.7	.6	.0	.0
230.	*	.6	1.0	.9	.9	1.0	.5	.3	.2	.0	.4	.7	.9	1.0	.9	.6	.8	.7	.6	.0	.0
235.	*	.6	.8	.8	.9	1.0	.5	.3	.2	.0	.4	.8	.9	.9	.9	.5	.7	.7	.7	.0	.0
240.	*	.6	.8	.8	.9	1.0	.5	.3	.2	.1	.5	.9	.9	1.0	.8	.6	.6	.6	.7	.0	.0
245.	*	.6	.8	.8	.9	.9	.5	.3	.2	.1	.5	.9	.9	.9	.7	.5	.5	.6	.8	.0	.0
250.	*	.6	.8	.8	.9	.9	.5	.3	.2	.1	.6	.9	.8	.9	.7	.4	.5	.5	.7	.0	.0
255.	*	.6	.8	.8	.8	.9	.4	.3	.2	.1	.6	.9	.8	.9	.7	.6	.5	.5	.6	.0	.0
260.	*	.6	.8	.8	.8	.9	.4	.3	.2	.1	.7	1.1	.8	.8	.5	.6	.8	.5	.6	.0	.0
265.	*	.4	.8	.8	.8	.9	.4	.3	.2	.0	.9	1.0	.9	.7	.6	.7	.7	.7	.6	.0	.0
270.	*	.4	.8	.8	.8	.9	.4	.3	.2	.0	1.0	1.0	.8	.7	.6	.8	.6	.9	.6	.0	.0
275.	*	.5	.8	.8	.8	.9	.5	.4	.1	.0	1.1	1.0	.6	.7	.6	.8	.6	.6	.8	.2	.0
280.	*	.6	.8	.8	.8	.9	.6	.3	.2	.2	1.0	.9	.6	.6	.6	.7	.6	.5	.6	.3	.1
285.	*	.6	1.0	.8	.8	.9	.5	.3	.2	.4	.8	.7	.5	.6	.7	.5	.4	.5	.4	.6	.2
290.	*	.9	1.0	.9	.8	.9	.8	.4	.5	.5	.8	.6	.5	.6	.7	.5	.4	.3	.3	.8	.3
295.	*	.9	1.2	1.0	.9	.9	.8	.5	.5	.5	.7	.5	.4	.6	.6	.4	.3	.1	.1	.8	.6
300.	*	.8	1.5	1.0	1.0	1.0	.7	.5	.4	.4	.5	.6	.5	.6	.6	.4	.2	.0	.0	.9	.7
305.	*	.8	1.3	1.0	1.1	1.1	.7	.5	.4	.4	.5	.6	.5	.6	.6	.4	.2	.1	.0	1.0	.7
310.	*	.6	1.3	1.2	1.1	1.1	.6	.3	.4	.5	.5	.6	.6	.6	.6	.4	.2	.1	.0	.8	.6
315.	*	.6	1.2	1.4	1.2	1.2	.5	.2	.4	.4	.5	.6	.6	.6	.6	.3	.2	.1	.0	.8	.6
320.	*	.6	1.2	1.4	1.2	1.2	.3	.4	.4	.4	.5	.6	.6	.6	.6	.3	.2	.1	.0	.8	.6
325.	*	.5	1.1	1.4	1.2	1.3	.1	.5	.5	.5	.5	.6	.6	.7	.7	.3	.2	.1	.0	.8	.5
330.	*	.4	1.0	1.4	1.2	1.4	.1	.6	.5	.4	.6	.6	.6	.7	.7	.3	.2	.1	.0	.7	.5
335.	*	.4	.9	1.1	1.2	1.4	.5	.6	.5	.4	.6	.7	.6	.7	.7	.3	.3	.1	.0	.7	.4
340.	*	.4	.7	1.0	1.0	1.2	.6	.7	.5	.4	.6	.6	.6	.7	.7	.4	.3	.1	.0	.6	.4
345.	*	.6	.6	.8	.9	1.1	.6	.7	.5	.4	.6	.7	.6	.7	.7	.4	.2	.1	.0	.5	.5
350.	*	.6	.7	.8	1.0	1.2	.7	.6	.5	.4	.6	.7	.6	.8	.7	.4	.2	.0	.0	.5	.5
355.	*	.5	.7	.8	.9	1.0	.7	.6	.3	.4	.6	.7	.6	.8	.8	.3	.2	.0	.0	.5	.3
360.	*	.6	.7	.8	.7	1.1	.7	.6	.3	.4	.4	.6	.6	.9	.7	.3	.1	.0	.0	.4	.5
MAX		.9	1.5	1.4	1.2	1.4	.8	.7	.6	.5	1.1	1.1	.9	1.0	.9	.9	.8	.9	.8	1.0	.9
DEGR.	*	190	300	315	195	330	290	340	80	40	275	260	230	240	230	210	205	270	115	305	90

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JOB: S12 410&amp;201 LLRT 2030PM

RUN: S12 410&amp;201 LLRT 2030PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.5	.3	.3	.8	.8	.8	.8	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
5.	*	.6	.6	.6	.8	.8	.8	.8	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
10.	*	.7	.7	.7	1.0	.8	.8	.8	.2	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0
15.	*	.6	.7	.6	.9	.8	.8	.8	.3	.4	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0
20.	*	.7	.9	.7	.8	1.0	.8	.8	.3	.5	.4	.4	.5	.2	.0	.0	.0	.0	.0	.0
25.	*	.6	.7	.8	.9	1.0	.8	.8	.5	.5	.5	.5	.5	.2	.2	.0	.0	.0	.0	.0
30.	*	.5	.7	.8	.9	1.0	.9	.8	.5	.5	.6	.6	.5	.3	.2	.0	.0	.0	.0	.0
35.	*	.7	.9	.9	.9	1.0	.9	.8	.5	.5	.6	.6	.5	.3	.2	.1	.0	.0	.0	.0
40.	*	.9	1.0	.8	.8	1.0	.9	.8	.5	.6	.6	.6	.5	.4	.1	.1	.0	.0	.0	.0
45.	*	.9	1.0	.7	.8	1.0	.9	.9	.5	.6	.5	.6	.5	.3	.1	.1	.0	.0	.0	.0
50.	*	.8	.9	.7	.6	1.0	.9	.9	.4	.5	.5	.6	.5	.3	.1	.1	.0	.0	.0	.0
55.	*	.8	.9	.6	.4	1.0	.9	.9	.4	.5	.5	.6	.5	.3	.1	.1	.0	.0	.0	.0
60.	*	.9	.9	.6	.4	.8	.9	.9	.4	.5	.5	.5	.5	.3	.1	.1	.0	.0	.0	.0
65.	*	.9	.8	.7	.3	.7	.8	.9	.4	.5	.5	.5	.6	.3	.1	.1	.0	.0	.0	.0
70.	*	.9	.7	.7	.4	.6	.8	.9	.4	.5	.5	.5	.6	.3	.1	.1	.0	.0	.0	.0
75.	*	1.0	.7	.7	.5	.6	.8	.9	.4	.5	.5	.5	.6	.2	.1	.1	.0	.0	.0	.0
80.	*	1.0	.7	.7	.6	.6	.7	1.0	.4	.5	.5	.5	.6	.2	.1	.1	.0	.0	.0	.0
85.	*	.8	.7	.7	.6	.4	.8	.9	.4	.5	.5	.5	.5	.2	.1	.1	.0	.0	.0	.0
90.	*	.8	.8	.6	.6	.5	.6	1.0	.4	.5	.5	.5	.5	.3	.1	.0	.0	.0	.0	.0
95.	*	.8	.7	.6	.6	.5	.7	1.0	.5	.5	.5	.5	.5	.4	.2	.2	.2	.2	.2	.3
100.	*	.8	.7	.6	.4	.5	.5	.8	.5	.6	.5	.5	.5	.4	.2	.2	.3	.3	.4	.4
105.	*	.8	.6	.6	.4	.4	.3	.5	.6	.6	.6	.5	.5	.5	.3	.3	.4	.4	.7	.7
110.	*	.6	.6	.6	.3	.2	.2	.5	.8	.6	.6	.6	.5	.7	.5	.4	.7	.7	.8	.8
115.	*	.7	.7	.6	.2	.2	.1	.1	.7	.8	.6	.6	.5	.7	.7	.6	.8	.8	.8	.8
120.	*	.7	.7	.6	.3	.3	.1	.1	.8	.8	.6	.6	.5	.6	.7	.7	.9	.9	.9	.9
125.	*	.7	.7	.6	.3	.3	.2	.1	.7	.8	.6	.6	.5	.5	.6	.6	.9	.9	.9	.9
130.	*	.7	.6	.7	.3	.3	.3	.1	.6	.8	.7	.6	.7	.4	.6	.7	.9	.9	.9	.9
135.	*	.9	.8	.7	.3	.3	.3	.1	.5	.8	.7	.6	.6	.5	.7	.8	1.1	1.1	1.1	1.1
140.	*	.9	.9	.8	.4	.3	.3	.1	.2	.7	.7	.6	.7	.5	1.0	.9	1.0	1.0	1.0	1.0
145.	*	.9	.9	.9	.4	.3	.3	.0	.3	.6	.7	.6	.6	.8	1.0	1.1	1.0	1.0	1.0	1.0
150.	*	.8	.9	.9	.4	.3	.3	.0	.5	.4	.7	.7	.6	.8	1.0	1.1	.9	.9	.9	.9
155.	*	.9	.9	.8	.4	.3	.3	.0	.5	.2	.6	.7	.6	.9	1.0	1.0	.9	.9	.9	.9
160.	*	.9	.9	.7	.4	.3	.1	.0	.5	.5	.4	.5	.6	.9	1.0	.8	.9	.9	.9	.9
165.	*	1.0	1.0	.7	.3	.2	.0	.0	.5	.5	.6	.5	.6	1.0	1.0	.7	.9	.9	.9	.9
170.	*	.9	.9	.7	.3	.0	.0	.0	.5	.5	.6	.7	.6	1.0	.8	.7	.8	.8	.8	.8
175.	*	.7	.7	.6	.3	.0	.0	.0	.5	.5	.5	.7	.6	1.0	.7	.7	.8	.8	.8	.8
180.	*	.7	.7	.4	.2	.0	.0	.0	.6	.5	.4	.5	.5	.9	.7	.7	.8	.8	.8	.8
185.	*	.5	.4	.3	.0	.0	.0	.0	.6	.5	.4	.4	.5	.7	.7	.7	.8	.8	.8	.8
190.	*	.3	.3	.1	.0	.0	.0	.0	.5	.4	.4	.2	.3	.7	.7	.7	.8	.8	.8	.8
195.	*	.1	.1	.1	.0	.0	.0	.0	.4	.4	.3	.0	.2	.7	.7	.7	.8	.8	.8	.8
200.	*	.1	.1	.1	.0	.0	.0	.0	.4	.4	.4	.2	.1	.7	.7	.7	.8	.8	.8	.8
205.	*	.1	.1	.0	.0	.0	.0	.0	.5	.4	.4	.2	.0	.7	.7	.7	.8	.8	.8	.8

1

JOB: S12 410&amp;201 LLRT 2030PM

RUN: S12 410&amp;201 LLRT 2030PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.1	.7	.7	.7	.8
215.	*	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.1	.7	.7	.8	.8
220.	*	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.2	.7	.7	.8	.8
225.	*	.0	.0	.0	.0	.0	.0	.7	.4	.4	.2	.2	.7	.7	.7	.9
230.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.2	.7	.7	.7	.9
235.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.8	.8	.7	.9
240.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.8	.8	.8	.9
245.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.4	.1	.9	.9	.9	.9
250.	*	.0	.0	.0	.0	.0	.0	.7	.6	.4	.4	.1	1.0	1.0	.9	.9
255.	*	.0	.0	.0	.0	.0	.0	.7	.6	.4	.4	.1	1.0	1.1	.9	.9
260.	*	.0	.0	.0	.0	.0	.0	.8	.6	.4	.3	.0	1.1	1.0	.9	.9
265.	*	.0	.0	.0	.0	.0	.0	.9	.5	.4	.1	.0	1.1	1.0	.9	.9
270.	*	.0	.0	.0	.0	.0	.0	.8	.5	.4	.1	.0	1.0	1.0	.9	.7
275.	*	.0	.0	.0	.2	.2	.3	.3	.7	.5	.1	.1	.0	.9	1.0	.7
280.	*	.0	.0	.0	.3	.3	.3	.3	.5	.4	.1	.0	.0	.9	.7	.7
285.	*	.0	.0	.0	.6	.4	.5	.6	.5	.1	.0	.0	.0	.6	.6	.4
290.	*	.2	.0	.0	.8	.7	.8	.7	.2	.1	.0	.0	.0	.6	.5	.4
295.	*	.3	.1	.0	.8	.8	.8	.9	.1	.0	.0	.0	.0	.2	.2	.2
300.	*	.3	.2	.0	1.0	.9	1.1	1.1	.0	.0	.0	.0	.0	.2	.2	.0
305.	*	.4	.3	.1	1.1	1.0	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.3	.1	1.0	.9	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.5	.2	.1	.9	1.0	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.4	.2	.2	.9	.8	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.4	.2	.2	.8	.8	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.4	.2	.2	.8	.8	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.4	.3	.2	.8	.8	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.5	.4	.3	.8	.8	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.5	.4	.3	.8	.8	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.5	.4	.1	.8	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.3	.3	.3	.8	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.5	.3	.3	.8	.8	.8	.8	.0	.1	.1	.1	.0	.0	.0	.0
MAX	*	1.0	1.0	.9	1.1	1.0	1.1	1.1	.9	.8	.7	.7	.7	1.1	1.1	1.1
DEGR.	*	75	40	35	305	20	300	300	265	125	130	150	130	260	255	145

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 315 DEGREES FROM REC3 .  
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 330 DEGREES FROM REC5 .



S12 410&201 HLRT 2030AM		60.0321.0.0000.000360.30480000		1	1
SE COR	335164.	471081.	5.0		
SE 82S	335147.	471029.	5.0		
SE 164S	335148.	470946.	5.0		
SE 256S	335148.	470862.	5.0		
SE MIDS	335145.	470710.	5.0		
SE 82E	335216.	471067.	5.0		
SE 164E	335302.	471046.	5.0		
SE 256E	335384.	471027.	5.0		
SE MIDE	335669.	470972.	5.0		
NE COR	335193.	471253.	5.0		
NE 82N	335187.	471316.	5.0		
NE 164N	335204.	471401.	5.0		
NE 256N	335207.	471489.	5.0		
NE MIDN	335262.	471780.	5.0		
NE 82E	335243.	471230.	5.0		
NE 164E	335325.	471209.	5.0		
NE 256E	335406.	471189.	5.0		
NE MIDE	335678.	471126.	5.0		
SW COR	335031.	471127.	5.0		
SW 82S	335048.	471070.	5.0		
SW 164S	335049.	470999.	5.0		
SW 256S	335048.	470923.	5.0		
SW MIDS	335042.	470711.	5.0		
SW 82W	334979.	471146.	5.0		
SW 164W	334890.	471168.	5.0		
SW 256W	334818.	471192.	5.0		
SW MIDW	334609.	471258.	5.0		
NW COR	335028.	471298.	5.0		
NW 82N	335060.	471344.	5.0		
NW 164N	335077.	471429.	5.0		
NW 256N	335092.	471505.	5.0		
NW MIDN	335149.	471783.	5.0		
NW 82W	334970.	471290.	5.0		
NW 164W	334887.	471314.	5.0		
NW 256W	334809.	471339.	5.0		
NW MIDW	334620.	471387.	5.0		
S12 410&201 HLRT 2030AM		41	1	0	
1					
NBL	MD201	AG335103.471187.335103.470844.	405	3.0	0. 44 30
2					
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2
150	130	2.0 405 32.1 1717 1 3			
1					
NBT&R	MD201	AG335127.471184.335127.470844.	935	3.0	0. 44 30
2					
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2
150	91	2.0 935 32.1 1770 1 3			
1					
NBR	MD201	AG335215.471131.335128.471086.	40	3.0	0. 32 30
1					
NBALL	MD201	AG335117.470845.335128.470197.	1340	3.0	0. 56 30
1					
NBDP	MD201	AG335351.472166.335281.471962.	1790	3.0	0. 44 30
1					
NBDP	MD201	AG335281.471962.335220.471692.	1790	3.0	0. 44 30
1					
NBDP	MD201	AG335220.471692.335134.471213.	1790	3.0	0. 44 30
1					
SBL	MD201	AG335116.471204.335153.471436.	125	3.2	0. 32 23
2					
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1
150	129	2.0 125 32.1 1770 1 3			
1					
SBT	MD201	AG335099.471207.335138.471435.	1815	3.2	0. 44 23
2					
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2
150	90	2.0 1815 32.1 1770 1 3			
1					
SBR	MD201	AG335081.471226.335119.471436.	335	3.2	0. 32 23
2					
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1
150	11	2.0 335 32.1 1583 1 3			
1					
SBALL	MD201	AG335136.471437.335203.471800.	2275	3.2	0. 44 23
1					
SBALL	MD201	AG335203.471800.335240.471959.	2275	3.2	0. 44 23
1					
SBALL	MD201	AG335240.471959.335319.472174.	2275	3.2	0. 44 23
1					
SBDP	MD201	AG335061.470196.335076.471195.	1960	3.2	0. 44 23
1					
SBR	MD201	AG334996.471263.335099.471319.	335	3.2	0. 32 24
1					
EBL	MD410	AG335119.471188.334753.471292.	345	3.3	0. 44 40
2					
EBL	MD410	AG335012.471218.334892.471252.	0.	24	2
150	128	2.0 345 32.1 1717 1 3			
1					
EBT&R	MD410	AG335119.471163.334749.471264.	1320	3.3	0. 56 40
2					
EBT&R	MD410	AG335011.471192.334833.471241.	0.	36	3
150	87	2.0 1320 32.1 1707 1 3			
1					
EBR	MD410	AG335073.471137.335015.471191.	365	3.3	0. 32 40

1	EBALL	MD410	AG334750.471279.334128.471415.	1665	3.3	0.	56	40
1	EBDP	MD410	AG336090.471018.335726.471037.	1120	3.3	0.	56	40
1	EBDP	MD410	AG335726.471037.335543.471060.	1120	3.3	0.	56	40
1	EBDP	MD410	AG335543.471060.335123.471161.	1120	3.3	0.	56	40
1	WBL	MD410	AG335121.471191.335396.471121.	50	3.0	0.	32	34
2	WBL	MD410	AG335175.471177.335304.471145.	0.	12	1		
1		150	2.0 50 32.1 1770 1 3					
1	WBL	MD410	AG335396.471121.335543.471097.	50	3.0	0.	32	34
1	WBT	MD410	AG335110.471215.335399.471140.	1675	3.0	0.	44	34
2	WBT	MD410	AG335163.471202.335367.471148.	0.	24	2		
1		150	2.0 1675 32.1 1770 1 3					
1	WBT	MD410	AG335399.471140.335546.471114.	1675	3.0	0.	44	34
1	WBR	MD410	AG335149.471281.335193.471223.	550	3.0	0.	32	34
1	WBR	MD410	AG335192.471223.335238.471201.	550	3.0	0.	32	34
1	WBR	MD410	AG335238.471201.335553.471128.	550	3.0	0.	32	34
1	WBALL	MD410	AG335547.471114.335816.471081.	2275	3.0	0.	56	34
1	WBALL	MD410	AG335816.471081.336099.471068.	2275	3.0	0.	56	34
1	WBPD	MD410	AG334145.471469.335112.471222.	2415	3.0	0.	44	34
1.0	04	1000	0Y 5 0 72					

JOB: S12 410&201 HLRT 2030AM  
 DATE: 01/11/2008 TIME: 12:43:09.29

RUN: S12 410&201 HLRT 2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	405.	3.0	.0	44.0	
2. NBL	MD201	*	335103.0	471079.0	335103.0	470675.8	*	403.	180. AG	149.	100.0	.0	24.0	1.10 20.5
3. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	935.	3.0	.0	44.0	
4. NBT&R	MD201	*	335127.0	471081.0	335127.0	470848.6	*	232.	180. AG	104.	100.0	.0	24.0	.72 11.8
5. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	40.	3.0	.0	32.0	
6. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1340.	3.0	.0	56.0	
7. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	1790.	3.0	.0	44.0	
8. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	1790.	3.0	.0	44.0	
9. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	1790.	3.0	.0	44.0	
10. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	125.	3.2	.0	32.0	
11. SBL	MD201	*	335124.0	471252.0	335137.7	471339.8	*	89.	9. AG	74.	100.0	.0	12.0	.63 4.5
12. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1815.	3.2	.0	44.0	
13. SBT	MD201	*	335110.0	471271.0	335614.6	474277.4	*	3048.	10. AG	103.	100.0	.0	24.0	1.37 154.9
14. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	335.	3.2	.0	32.0	
15. SBR	MD201	*	335092.0	471287.0	335095.7	471306.8	*	20.	11. AG	6.	100.0	.0	12.0	.24 1.0
16. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2275.	3.2	.0	44.0	
17. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2275.	3.2	.0	44.0	
18. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2275.	3.2	.0	44.0	
19. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	1960.	3.2	.0	44.0	
20. SBR	MD201	*	334996.0	471263.0	335099.0	471319.0	*	117.	61. AG	335.	3.2	.0	32.0	
21. EBL	MD410	*	335119.0	471188.0	334753.0	471292.0	*	380.	286. AG	345.	3.3	.0	44.0	
22. EBL	MD410	*	335012.0	471218.0	334878.8	471255.7	*	138.	286. AG	147.	100.0	.0	24.0	.83 7.0
23. EBT&R	MD410	*	335119.0	471163.0	334749.0	471264.0	*	384.	285. AG	1320.	3.3	.0	56.0	
24. EBT&R	MD410	*	335011.0	471192.0	334809.2	471247.6	*	209.	285. AG	150.	100.0	.0	36.0	.66 10.6
25. EBR	MD410	*	335073.0	471137.0	335015.0	471191.0	*	79.	313. AG	365.	3.3	.0	32.0	
26. EBALL	MD410	*	334750.0	471279.0	334128.0	471415.0	*	637.	282. AG	1665.	3.3	.0	56.0	
27. EBDP	MD410	*	336090.0	471018.0	335726.0	471037.0	*	364.	273. AG	1120.	3.3	.0	56.0	
28. EBDP	MD410	*	335726.0	471037.0	335543.0	471060.0	*	184.	277. AG	1120.	3.3	.0	56.0	
29. EBDP	MD410	*	335543.0	471060.0	335123.0	471161.0	*	432.	284. AG	1120.	3.3	.0	56.0	
30. WBL	MD410	*	335121.0	471191.0	335396.0	471121.0	*	284.	104. AG	50.	3.0	.0	32.0	
31. WBL	MD410	*	335175.0	471177.0	335214.0	471167.3	*	40.	104. AG	80.	100.0	.0	12.0	.61 2.0
32. WBL	MD410	*	335396.0	471121.0	335543.0	471097.0	*	149.	99. AG	50.	3.0	.0	32.0	
33. WBT	MD410	*	335110.0	471215.0	335399.0	471140.0	*	299.	105. AG	1675.	3.0	.0	44.0	
34. WBT	MD410	*	335163.0	471202.0	338339.7	470360.5	*	3286.	105. AG	113.	100.0	.0	24.0	1.48 166.9
35. WBT	MD410	*	335399.0	471140.0	335546.0	471114.0	*	149.	100. AG	1675.	3.0	.0	44.0	
36. WBR	MD410	*	335149.0	471281.0	335193.0	471223.0	*	73.	143. AG	550.	3.0	.0	32.0	
37. WBR	MD410	*	335192.0	471223.0	335238.0	471201.0	*	51.	116. AG	550.	3.0	.0	32.0	
38. WBR	MD410	*	335238.0	471201.0	335553.0	471128.0	*	323.	103. AG	550.	3.0	.0	32.0	
39. WBALL	MD410	*	335547.0	471114.0	335816.0	471081.0	*	271.	97. AG	2275.	3.0	.0	56.0	
40. WBALL	MD410	*	335816.0	471081.0	336099.0	471068.0	*	283.	93. AG	2275.	3.0	.0	56.0	
41. WBDP	MD410	*	334145.0	471469.0	335112.0	471222.0	*	998.	104. AG	2415.	3.0	.0	44.0	

JOB: S12 410&201 HLRT 2030AM  
 DATE: 01/11/2008 TIME: 12:43:09.29

RUN: S12 410&201 HLRT 2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. NBL	MD201	*	150	130	2.0	405	1717	32.10	1	3
4. NBT&R	MD201	*	150	91	2.0	935	1770	32.10	1	3
11. SBL	MD201	*	150	129	2.0	125	1770	32.10	1	3
13. SBT	MD201	*	150	90	2.0	1815	1770	32.10	1	3
15. SBR	MD201	*	150	11	2.0	335	1583	32.10	1	3
22. EBL	MD410	*	150	128	2.0	345	1717	32.10	1	3
24. EBT&R	MD410	*	150	87	2.0	1320	1707	32.10	1	3
31. WBL	MD410	*	150	139	2.0	50	1770	32.10	1	3
34. WBT	MD410	*	150	98	2.0	1675	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	335164.0	471081.0	5.0	*
2. SE 82S		*	335147.0	471029.0	5.0	*
3. SE 164S		*	335148.0	470946.0	5.0	*
4. SE 256S		*	335148.0	470862.0	5.0	*
5. SE MIDS		*	335145.0	470710.0	5.0	*
6. SE 82E		*	335216.0	471067.0	5.0	*
7. SE 164E		*	335302.0	471046.0	5.0	*
8. SE 256E		*	335384.0	471027.0	5.0	*
9. SE MIDE		*	335669.0	470972.0	5.0	*
10. NE COR		*	335193.0	471253.0	5.0	*
11. NE 82N		*	335187.0	471316.0	5.0	*
12. NE 164N		*	335204.0	471401.0	5.0	*

13. NE 256N	*	335207.0	471489.0	5.0	*
14. NE MIDN	*	335262.0	471780.0	5.0	*
15. NE 82E	*	335243.0	471230.0	5.0	*
16. NE 164E	*	335325.0	471209.0	5.0	*
17. NE 256E	*	335406.0	471189.0	5.0	*
18. NE MIDE	*	335678.0	471126.0	5.0	*
19. SW COR	*	335031.0	471127.0	5.0	*
20. SW 82S	*	335048.0	471070.0	5.0	*
21. SW 164S	*	335049.0	470999.0	5.0	*
22. SW 256S	*	335048.0	470923.0	5.0	*
23. SW MIDS	*	335042.0	470711.0	5.0	*
24. SW 82W	*	334979.0	471146.0	5.0	*
25. SW 164W	*	334890.0	471168.0	5.0	*
26. SW 256W	*	334818.0	471192.0	5.0	*
27. SW MIDW	*	334609.0	471258.0	5.0	*
28. NW COR	*	335028.0	471298.0	5.0	*
29. NW 82N	*	335060.0	471344.0	5.0	*
30. NW 164N	*	335077.0	471429.0	5.0	*
31. NW 256N	*	335092.0	471505.0	5.0	*
32. NW MIDN	*	335149.0	471783.0	5.0	*
33. NW 82W	*	334970.0	471290.0	5.0	*
34. NW 164W	*	334887.0	471314.0	5.0	*
35. NW 256W	*	334809.0	471339.0	5.0	*
36. NW MIDW	*	334620.0	471387.0	5.0	*

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JOB: S12 410&amp;201 HLRT 2030AM

RUN: S12 410&amp;201 HLRT 2030AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.4	.5	.5	.5	.4	.3	.3	.4	.5	.5	.5	.7	.1	.1	.1	.0	.3	.4
5.	*	.5	.4	.3	.5	.4	.4	.2	.3	.4	.5	.4	.5	.5	.1	.1	.0	.0	.3	.5
10.	*	.5	.4	.3	.3	.4	.4	.3	.2	.3	.2	.4	.2	.5	.1	.0	.0	.0	.5	.8
15.	*	.4	.3	.4	.3	.1	.4	.3	.2	.3	.1	.2	.2	.3	.3	.0	.0	.0	.6	.8
20.	*	.3	.2	.1	.1	.0	.3	.3	.2	.3	.0	.2	.1	.2	.2	.0	.0	.0	.7	.6
25.	*	.3	.1	.1	.1	.0	.3	.3	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.7	.5
30.	*	.3	.1	.1	.1	.0	.3	.3	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.6	.4
35.	*	.3	.1	.1	.1	.0	.3	.2	.3	.2	.0	.0	.0	.0	.1	.0	.0	.0	.6	.2
40.	*	.3	.1	.1	.1	.0	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2
45.	*	.3	.1	.1	.1	.0	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3
50.	*	.3	.1	.1	.1	.0	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4
55.	*	.3	.2	.1	.1	.0	.3	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4
60.	*	.3	.2	.1	.1	.1	.3	.2	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
65.	*	.3	.2	.1	.1	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
70.	*	.2	.2	.1	.1	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
75.	*	.2	.1	.1	.1	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.1	.4	.5
80.	*	.3	.1	.1	.1	.1	.3	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.1	.4	.6
85.	*	.3	.1	.1	.1	.1	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.1	.6	.6
90.	*	.3	.1	.1	.1	.1	.3	.2	.2	.2	.0	.0	.0	.0	.1	.1	.1	.2	.5	.6
95.	*	.3	.1	.1	.1	.0	.2	.2	.2	.2	.1	.0	.0	.0	.1	.1	.1	.4	.5	.6
100.	*	.1	.1	.1	.0	.0	.1	.1	.1	.2	.1	.1	.0	.0	.2	.2	.3	.4	.5	.6
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.0	.2	.3	.3	.5	.3	.6
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	.1	.0	.4	.5	.7	.3	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.8	.4	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.6	.7	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.5	.6	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.5	.6	.4
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.6	.6	.5	.6	.5
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.4	.5	.6
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.5	.4	.5
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.5	.5	.4	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.5	.5	.4	.5
160.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.4	.5	.4	.5
165.	*	.0	.2	.0	.1	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.4	.4	.4	.5	.7
170.	*	.0	.3	.2	.1	.1	.0	.0	.0	.0	.4	.2	.1	.2	.0	.4	.4	.4	.5	.4
175.	*	.2	.4	.4	.2	.2	.0	.0	.0	.0	.4	.2	.1	.2	.1	.4	.4	.4	.5	.3
180.	*	.3	.7	.5	.3	.2	.0	.0	.0	.0	.5	.3	.2	.1	.2	.4	.4	.4	.5	.2
185.	*	.6	.8	.7	.4	.3	.0	.0	.0	.0	.7	.5	.4	.3	.3	.4	.4	.5	.5	.2
190.	*	.6	1.0	.8	.5	.3	.2	.0	.0	.0	.7	.6	.3	.4	.4	.5	.4	.5	.1	.2
195.	*	.6	.9	.9	.5	.3	.3	.0	.0	.0	.5	.5	.3	.6	.5	.7	.4	.4	.5	.0
200.	*	.7	.9	.9	.6	.3	.3	.0	.0	.0	.5	.4	.3	.6	.6	.7	.5	.4	.5	.0
205.	*	.8	.9	.9	.5	.3	.4	.1	.0	.0	.6	.3	.4	.5	.6	.7	.5	.4	.5	.0

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JOB: S12 410&amp;201 HLRT 2030AM

RUN: S12 410&amp;201 HLRT 2030AM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.8	.9	.9	.6	.3	.4	.2	.0	.0	.5	.3	.5	.5	.7	.7	.6	.4	.5	.0
215.	*	.8	.9	.9	.7	.4	.4	.2	.0	.0	.5	.4	.5	.6	.7	.8	.7	.5	.5	.0
220.	*	.8	.9	.9	.7	.4	.4	.2	.1	.0	.4	.5	.6	.6	.6	.8	.7	.5	.5	.0

225.	*	.8	.9	.9	.7	.3	.4	.3	.1	.0	.3	.5	.6	.7	.6	.7	.7	.6	.5	.0	.0
230.	*	.6	.9	.8	.7	.4	.4	.3	.1	.0	.4	.6	.6	.8	.6	.4	.5	.6	.5	.0	.0
235.	*	.6	.8	.8	.8	.4	.4	.3	.1	.0	.5	.7	.7	.8	.6	.4	.6	.6	.0	.0	
240.	*	.6	.8	.8	.8	.4	.4	.3	.1	.0	.5	.8	.7	.6	.6	.4	.5	.6	.5	.0	.0
245.	*	.6	.8	.8	.8	.4	.4	.3	.1	.0	.7	.8	.7	.6	.5	.4	.5	.6	.5	.0	.0
250.	*	.6	.8	.8	.7	.5	.3	.2	.2	.0	.7	.8	.6	.6	.5	.2	.3	.5	.5	.0	.0
255.	*	.6	.8	.8	.8	.5	.3	.2	.2	.0	.7	.7	.4	.6	.5	.5	.3	.5	.5	.0	.0
260.	*	.6	.8	.8	.8	.5	.3	.2	.2	.0	.7	.7	.4	.5	.4	.5	.3	.4	.6	.0	.0
265.	*	.4	.8	.8	.8	.5	.3	.2	.2	.0	.8	.6	.4	.5	.5	.6	.5	.4	.5	.0	.0
270.	*	.4	.8	.8	.8	.5	.3	.2	.2	.0	.7	.5	.4	.5	.5	.6	.4	.5	.4	.0	.0
275.	*	.4	.8	.8	.8	.5	.3	.2	.1	.0	.8	.6	.3	.5	.5	.5	.4	.3	.4	.0	.0
280.	*	.4	.8	.8	.8	.5	.3	.1	.0	.0	.9	.7	.3	.5	.5	.5	.4	.3	.3	.1	.0
285.	*	.4	.8	.8	.8	.5	.2	.2	.0	.1	.6	.7	.3	.5	.6	.3	.1	.3	.2	.2	.0
290.	*	.5	.8	.8	.8	.5	.4	.2	.1	.2	.6	.4	.3	.5	.6	.4	.1	.1	.2	.3	.0
295.	*	.6	1.0	.8	.8	.5	.4	.2	.1	.2	.6	.3	.4	.5	.6	.4	.1	.0	.1	.4	.2
300.	*	.6	1.0	.8	.8	.5	.5	.2	.2	.2	.5	.4	.3	.5	.5	.3	.1	.0	.1	.5	.2
305.	*	.6	.9	.9	.8	.5	.5	.2	.3	.1	.5	.5	.4	.5	.5	.3	.1	.1	.0	.6	.2
310.	*	.6	1.1	1.0	.8	.5	.3	.2	.3	.3	.4	.5	.5	.5	.5	.3	.1	.1	.0	.6	.4
315.	*	.6	1.1	1.1	.9	.5	.1	.2	.3	.3	.4	.5	.5	.5	.5	.3	.1	.1	.0	.6	.5
320.	*	.4	1.1	1.1	1.0	.6	.2	.3	.3	.4	.4	.5	.5	.5	.5	.3	.1	.1	.0	.7	.5
325.	*	.3	1.0	1.1	1.0	.7	.2	.4	.4	.4	.4	.5	.5	.6	.5	.3	.2	.1	.0	.7	.5
330.	*	.2	.8	1.1	1.0	.7	.1	.4	.4	.3	.4	.5	.5	.6	.5	.2	.2	.1	.0	.6	.5
335.	*	.3	.7	.8	.9	.7	.5	.4	.4	.3	.4	.6	.5	.6	.5	.2	.1	.1	.0	.6	.4
340.	*	.4	.6	.8	.9	.8	.5	.4	.4	.3	.5	.6	.5	.6	.5	.3	.1	.1	.0	.5	.4
345.	*	.5	.4	.7	.9	.7	.5	.4	.4	.3	.5	.5	.5	.6	.5	.3	.1	.1	.0	.4	.4
350.	*	.5	.5	.7	.9	.6	.5	.4	.4	.3	.4	.5	.5	.5	.6	.3	.1	.1	.0	.4	.5
355.	*	.5	.5	.5	.8	.6	.5	.4	.3	.3	.4	.5	.5	.5	.7	.3	.1	.1	.0	.4	.4
360.	*	.6	.4	.5	.5	.5	.5	.4	.3	.3	.4	.5	.5	.5	.7	.1	.1	.1	.0	.3	.4
MAX		.8	1.1	1.1	1.0	.8	.5	.4	.4	.4	.9	.8	.7	.8	.7	.8	.7	.6	.8	.7	.8
DEGR.	*	205	310	315	320	340	0	0	325	60	280	240	235	230	0	215	215	120	115	20	10

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JOB: S12 410&201 HLRT 2030AM

RUN: S12 410&201 HLRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
0.	*	.3	.3	.4	.7	.6	.4	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0
5.	*	.3	.5	.6	.8	.6	.4	.2	.1	.1	.1	.1	.2	.1	.0	.0	.0
10.	*	.4	.5	.7	.8	.8	.5	.2	.1	.3	.3	.3	.2	.1	.0	.0	.0
15.	*	.5	.5	.7	.7	.8	.6	.2	.3	.3	.3	.3	.4	.1	.1	.0	.0
20.	*	.6	.7	.7	.6	.8	.6	.2	.3	.3	.3	.3	.5	.1	.1	.1	.0
25.	*	.5	.7	.7	.6	.8	.6	.2	.3	.4	.4	.3	.5	.2	.1	.1	.0
30.	*	.4	.6	.7	.8	.8	.6	.3	.4	.4	.5	.4	.5	.2	.1	.1	.0
35.	*	.5	.8	.8	.8	.8	.7	.3	.4	.5	.5	.5	.4	.2	.1	.1	.0
40.	*	.7	.8	.6	.6	.8	.7	.2	.5	.5	.5	.5	.5	.2	.1	.1	.0
45.	*	.6	.7	.6	.6	.8	.7	.2	.4	.5	.5	.5	.5	.3	.2	.1	.0
50.	*	.6	.7	.6	.6	.8	.7	.2	.3	.4	.5	.5	.4	.2	.1	.1	.0
55.	*	.6	.7	.5	.3	.8	.7	.2	.3	.4	.4	.5	.4	.2	.1	.1	.0
60.	*	.6	.7	.5	.2	.6	.8	.2	.3	.4	.4	.5	.4	.3	.1	.1	.0
65.	*	.6	.7	.6	.2	.6	.7	.2	.3	.4	.4	.5	.5	.3	.1	.1	.0
70.	*	.6	.6	.6	.4	.5	.7	.2	.3	.4	.4	.5	.5	.3	.1	.1	.0
75.	*	.7	.6	.6	.4	.5	.7	.2	.3	.4	.4	.5	.5	.3	.1	.1	.0
80.	*	.7	.6	.6	.4	.6	.6	.3	.3	.4	.4	.5	.5	.3	.1	.1	.0
85.	*	.7	.7	.6	.5	.3	.7	.4	.4	.4	.5	.5	.4	.2	.1	.1	.0
90.	*	.7	.7	.5	.5	.3	.5	.6	.4	.4	.5	.5	.4	.3	.1	.0	.0
95.	*	.7	.7	.5	.4	.3	.5	.5	.5	.4	.4	.5	.4	.4	.2	.2	.2
100.	*	.7	.6	.5	.4	.2	.3	.4	.5	.6	.4	.5	.5	.3	.2	.2	.2
105.	*	.7	.5	.5	.2	.2	.3	.3	.5	.6	.5	.4	.5	.5	.2	.2	.3
110.	*	.5	.5	.5	.2	.2	.1	.2	.6	.6	.5	.5	.5	.6	.3	.4	.4
115.	*	.6	.6	.4	.2	.2	.1	.0	.5	.7	.5	.5	.5	.5	.4	.5	.4
120.	*	.6	.6	.4	.3	.3	.1	.0	.5	.7	.5	.5	.5	.4	.5	.6	.5
125.	*	.6	.6	.4	.3	.3	.1	.0	.4	.6	.5	.5	.6	.4	.7	.5	.6
130.	*	.6	.6	.4	.3	.3	.1	.0	.4	.6	.5	.5	.6	.3	.7	.6	.5
135.	*	.6	.6	.4	.3	.3	.1	.0	.4	.6	.5	.5	.6	.6	.7	.7	.4
140.	*	.7	.7	.3	.4	.2	.2	.0	.2	.6	.5	.5	.4	.6	.9	.7	.3
145.	*	.7	.7	.4	.4	.2	.2	.0	.1	.5	.5	.6	.5	.7	.9	.7	.3
150.	*	.7	.7	.4	.4	.2	.2	.0	.4	.2	.5	.6	.5	.8	.9	.7	.3
155.	*	.7	.7	.4	.4	.2	.0	.0	.5	.2	.5	.6	.5	.9	.9	.6	.3
160.	*	.8	.6	.4	.2	.2	.0	.0	.6	.4	.3	.5	.5	.8	.9	.5	.3
165.	*	.6	.6	.4	.2	.1	.0	.0	.6	.5	.4	.4	.5	.9	.9	.5	.3
170.	*	.6	.6	.4	.2	.0	.0	.0	.6	.5	.4	.5	.5	.9	.7	.5	.3
175.	*	.6	.5	.3	.2	.0	.0	.0	.5	.3	.4	.4	.5	.9	.7	.4	.3
180.	*	.4	.4	.2	.1	.0	.0	.0	.6	.3	.4	.4	.4	.8	.7	.4	.3
185.	*	.3	.2	.2	.0	.0	.0	.0	.7	.3	.3	.4	.4	.7	.6	.4	.3
190.	*	.2	.2	.1	.0	.0	.0	.0	.6	.3	.2	.1	.2	.7	.6	.4	.3
195.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.2	.0	.2	.7	.6	.3	.3
200.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.3	.1	.1	.7	.6	.3	.3
205.	*	.1	.1	.0	.0	.0	.0	.0	.6	.3	.3	.2	.0	.7	.5	.3	.3

1

JOB: S12 410&201 HLRT 2030AM

RUN: S12 410&201 HLRT 2030AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
210.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.0	.7	.5	.3	.3	
215.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.7	.5	.2	.3	
220.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.7	.5	.2	.3	
225.	*	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.7	.4	.3	.3	
230.	*	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.7	.4	.3	.3	
235.	*	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.7	.4	.3	.3	
240.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.7	.4	.3	.3	
245.	*	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.8	.3	.3	.3	
250.	*	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.3	.3	.3	
255.	*	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.4	.3	.3	
260.	*	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.6	.4	.4	.4	
265.	*	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.6	.4	.4	.4	
270.	*	.0	.0	.0	.0	.0	.0	.3	.1	.1	.0	.0	.4	.4	.4	.3	
275.	*	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.4	.4	.3	.3	
280.	*	.0	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	.4	.3	.3	.3	
285.	*	.0	.0	.0	.2	.1	.1	.1	.1	.0	.0	.0	.3	.3	.3	.1	
290.	*	.0	.0	.0	.4	.2	.2	.2	.1	.0	.0	.0	.2	.1	.1	.1	
295.	*	.0	.0	.0	.5	.3	.2	.3	.0	.0	.0	.0	.1	.1	.1	.1	
300.	*	.0	.0	.0	.5	.4	.2	.3	.0	.0	.0	.0	.1	.1	.0	.0	
305.	*	.1	.0	.0	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.2	.0	.0	.6	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.2	.0	.0	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.2	.1	.0	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.3	.2	.0	.7	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.3	.2	.0	.7	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.3	.1	.0	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.4	.2	.0	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.4	.2	.1	.7	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.4	.2	.1	.7	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.4	.3	.3	.7	.6	.4	.2	.0	.0	.0	.1	.0	.0	.0	.0	
360.	*	.3	.3	.4	.7	.6	.4	.2	.1	.1	.1	.1	.0	.0	.0	.0	
MAX	*	.8	.8	.8	.8	.8	.8	.6	.7	.7	.5	.6	.6	.9	.9	.7	.6
DEGR.	*	160	35	35	5	10	60	90	185	115	30	145	125	155	140	135	125

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 310 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 315 DEGREES FROM REC3 .  
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 320 DEGREES FROM REC4 .

S12 410&201 HLRT 2030PM		60.0321.0.0000.000360.30480000		1	1
SE COR	335164.	471081.	5.0		
SE 82S	335147.	471029.	5.0		
SE 164S	335148.	470946.	5.0		
SE 256S	335148.	470862.	5.0		
SE MIDS	335145.	470710.	5.0		
SE 82E	335216.	471067.	5.0		
SE 164E	335302.	471046.	5.0		
SE 256E	335384.	471027.	5.0		
SE MIDE	335669.	470972.	5.0		
NE COR	335193.	471253.	5.0		
NE 82N	335187.	471316.	5.0		
NE 164N	335204.	471401.	5.0		
NE 256N	335207.	471489.	5.0		
NE MIDN	335262.	471780.	5.0		
NE 82E	335243.	471230.	5.0		
NE 164E	335325.	471209.	5.0		
NE 256E	335406.	471189.	5.0		
NE MIDE	335678.	471126.	5.0		
SW COR	335031.	471127.	5.0		
SW 82S	335048.	471070.	5.0		
SW 164S	335049.	470999.	5.0		
SW 256S	335048.	470923.	5.0		
SW MIDS	335042.	470711.	5.0		
SW 82W	334979.	471146.	5.0		
SW 164W	334890.	471168.	5.0		
SW 256W	334818.	471192.	5.0		
SW MIDW	334609.	471258.	5.0		
NW COR	335028.	471298.	5.0		
NW 82N	335060.	471344.	5.0		
NW 164N	335077.	471429.	5.0		
NW 256N	335092.	471505.	5.0		
NW MIDN	335149.	471783.	5.0		
NW 82W	334970.	471290.	5.0		
NW 164W	334887.	471314.	5.0		
NW 256W	334809.	471339.	5.0		
NW MIDW	334620.	471387.	5.0		
S12 410&201 HLRT 2030PM		41	1	0	
1					
NBL	MD201	AG335103.471187.335103.470844.	455	3.0	0. 44 30
2					
NBL	MD201	AG335103.471079.335103.470919.	0.	24	2
150	130	2.0 455 32.1 1717 1 3			
1					
NBT&R	MD201	AG335127.471184.335127.470844.	1360	3.0	0. 44 30
2					
NBT&R	MD201	AG335127.471081.335127.470881.	0.	24	2
150	91	2.0 1360 32.1 1770 1 3			
1					
NBR	MD201	AG335215.471131.335128.471086.	55	3.0	0. 32 30
1					
NBALL	MD201	AG335117.470845.335128.470197.	1815	3.0	0. 56 30
1					
NBDP	MD201	AG335351.472166.335281.471962.	2270	3.0	0. 44 30
1					
NBDP	MD201	AG335281.471962.335220.471692.	2270	3.0	0. 44 30
1					
NBDP	MD201	AG335220.471692.335134.471213.	2270	3.0	0. 44 30
1					
SBL	MD201	AG335116.471204.335153.471436.	415	3.2	0. 32 23
2					
SBL	MD201	AG335124.471252.335142.471367.	0.	12	1
150	129	2.0 415 32.1 1770 1 3			
1					
SBT	MD201	AG335099.471207.335138.471435.	1430	3.2	0. 44 23
2					
SBT	MD201	AG335110.471271.335133.471408.	0.	24	2
150	90	2.0 1430 32.1 1770 1 3			
1					
SBR	MD201	AG335081.471226.335119.471436.	190	3.2	0. 32 23
2					
SBR	MD201	AG335092.471287.335109.471378.	0.	12	1
150	11	2.0 190 32.1 1583 1 3			
1					
SBALL	MD201	AG335136.471437.335203.471800.	2035	3.2	0. 44 23
1					
SBALL	MD201	AG335203.471800.335240.471959.	2035	3.2	0. 44 23
1					
SBALL	MD201	AG335240.471959.335319.472174.	2035	3.2	0. 44 23
1					
SBDP	MD201	AG335061.470196.335076.471195.	2080	3.2	0. 44 23
1					
SBR	MD201	AG334996.471263.335099.471319.	190	3.2	0. 32 24
1					
EBL	MD410	AG335119.471188.334753.471292.	665	3.3	0. 44 40
2					
EBL	MD410	AG335012.471218.334892.471252.	0.	24	2
150	128	2.0 665 32.1 1717 1 3			
1					
EBT&R	MD410	AG335119.471163.334749.471264.	2090	3.3	0. 56 40
2					
EBT&R	MD410	AG335011.471192.334833.471241.	0.	36	3
150	87	2.0 2090 32.1 1707 1 3			
1					
EBR	MD410	AG335073.471137.335015.471191.	495	3.3	0. 32 40

1	EBALL	MD410	AG334750.471279.334128.471415.	2755	3.3	0.	56	40
1	EBDP	MD410	AG336090.471018.335726.471037.	2065	3.3	0.	56	40
1	EBDP	MD410	AG335726.471037.335543.471060.	2065	3.3	0.	56	40
1	EBDP	MD410	AG335543.471060.335123.471161.	2065	3.3	0.	56	40
1	WBL	MD410	AG335121.471191.335396.471121.	155	3.0	0.	32	34
2	WBL	MD410	AG335175.471177.335304.471145.	0.	12	1		
150		139	2.0 155 32.1 1770 1 3					
1	WBL	MD410	AG335396.471121.335543.471097.	155	3.0	0.	32	34
1	WBT	MD410	AG335110.471215.335399.471140.	1630	3.0	0.	44	34
2	WBT	MD410	AG335163.471202.335367.471148.	0.	24	2		
150		98	2.0 1630 32.1 1770 1 3					
1	WBT	MD410	AG335399.471140.335546.471114.	1630	3.0	0.	44	34
1	WBR	MD410	AG335149.471281.335193.471223.	300	3.0	0.	32	34
1	WBR	MD410	AG335192.471223.335238.471201.	300	3.0	0.	32	34
1	WBR	MD410	AG335238.471201.335553.471128.	300	3.0	0.	32	34
1	WBALL	MD410	AG335547.471114.335816.471081.	2085	3.0	0.	56	34
1	WBALL	MD410	AG335816.471081.336099.471068.	2085	3.0	0.	56	34
1	WBPD	MD410	AG334145.471469.335112.471222.	2275	3.0	0.	44	34
1.0	04	1000	0Y 5 0 72					



JOB: S12 410&201 HLRT 2030PM  
 DATE: 01/11/2008 TIME: 12:57:46.34

RUN: S12 410&201 HLRT 2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. NBL	MD201	*	335103.0	471187.0	335103.0	470844.0	*	343.	180. AG	455.	3.0	.0	44.0		
2. NBL	MD201	*	335103.0	471079.0	335103.0	470403.0	*	676.	180. AG	149.	100.0	.0	24.0	1.24	34.3
3. NBT&R	MD201	*	335127.0	471184.0	335127.0	470844.0	*	340.	180. AG	1360.	3.0	.0	44.0		
4. NBT&R	MD201	*	335127.0	471081.0	335127.0	470308.2	*	773.	180. AG	104.	100.0	.0	24.0	1.05	39.3
5. NBR	MD201	*	335215.0	471131.0	335128.0	471086.0	*	98.	243. AG	55.	3.0	.0	32.0		
6. NBALL	MD201	*	335117.0	470845.0	335128.0	470197.0	*	648.	179. AG	1815.	3.0	.0	56.0		
7. NBDP	MD201	*	335351.0	472166.0	335281.0	471962.0	*	216.	199. AG	2270.	3.0	.0	44.0		
8. NBDP	MD201	*	335281.0	471962.0	335220.0	471692.0	*	277.	193. AG	2270.	3.0	.0	44.0		
9. NBDP	MD201	*	335220.0	471692.0	335134.0	471213.0	*	487.	190. AG	2270.	3.0	.0	44.0		
10. SBL	MD201	*	335116.0	471204.0	335153.0	471436.0	*	235.	9. AG	415.	3.2	.0	32.0		
11. SBL	MD201	*	335124.0	471252.0	335518.5	473772.8	*	2551.	9. AG	74.	100.0	.0	12.0	2.08	129.6
12. SBT	MD201	*	335099.0	471207.0	335138.0	471435.0	*	231.	10. AG	1430.	3.2	.0	44.0		
13. SBT	MD201	*	335110.0	471271.0	335280.2	472284.9	*	1028.	10. AG	103.	100.0	.0	24.0	1.08	52.2
14. SBR	MD201	*	335081.0	471226.0	335119.0	471436.0	*	213.	10. AG	190.	3.2	.0	32.0		
15. SBR	MD201	*	335092.0	471287.0	335094.1	471298.2	*	11.	11. AG	6.	100.0	.0	12.0	.13	.6
16. SBALL	MD201	*	335136.0	471437.0	335203.0	471800.0	*	369.	10. AG	2035.	3.2	.0	44.0		
17. SBALL	MD201	*	335203.0	471800.0	335240.0	471959.0	*	163.	13. AG	2035.	3.2	.0	44.0		
18. SBALL	MD201	*	335240.0	471959.0	335319.0	472174.0	*	229.	20. AG	2035.	3.2	.0	44.0		
19. SBDP	MD201	*	335061.0	470196.0	335076.0	471195.0	*	999.	1. AG	2080.	3.2	.0	44.0		
20. SBR	MD201	*	334996.0	471263.0	335099.0	471319.0	*	117.	61. AG	190.	3.2	.0	32.0		
21. EBL	MD410	*	335119.0	471188.0	334753.0	471292.0	*	380.	286. AG	665.	3.3	.0	44.0		
22. EBL	MD410	*	335012.0	471218.0	333487.1	471650.0	*	1585.	286. AG	147.	100.0	.0	24.0	1.61	80.5
23. EBT&R	MD410	*	335119.0	471163.0	334749.0	471264.0	*	384.	285. AG	2090.	3.3	.0	56.0		
24. EBT&R	MD410	*	335011.0	471192.0	334329.0	471379.8	*	707.	285. AG	150.	100.0	.0	36.0	1.04	35.9
25. EBR	MD410	*	335073.0	471137.0	335015.0	471191.0	*	79.	313. AG	495.	3.3	.0	32.0		
26. EBALL	MD410	*	334750.0	471279.0	334128.0	471415.0	*	637.	282. AG	2755.	3.3	.0	56.0		
27. EBDP	MD410	*	336090.0	471018.0	335726.0	471037.0	*	364.	273. AG	2065.	3.3	.0	56.0		
28. EBDP	MD410	*	335726.0	471037.0	335543.0	471060.0	*	184.	277. AG	2065.	3.3	.0	56.0		
29. EBDP	MD410	*	335543.0	471060.0	335123.0	471161.0	*	432.	284. AG	2065.	3.3	.0	56.0		
30. WBL	MD410	*	335121.0	471191.0	335396.0	471121.0	*	284.	104. AG	155.	3.0	.0	32.0		
31. WBL	MD410	*	335175.0	471177.0	336067.8	470955.7	*	920.	104. AG	80.	100.0	.0	12.0	1.89	46.7
32. WBL	MD410	*	335396.0	471121.0	335543.0	471097.0	*	149.	99. AG	155.	3.0	.0	32.0		
33. WBT	MD410	*	335110.0	471215.0	335399.0	471140.0	*	299.	105. AG	1630.	3.0	.0	44.0		
34. WBT	MD410	*	335163.0	471202.0	338114.6	470420.2	*	3053.	105. AG	113.	100.0	.0	24.0	1.44	155.1
35. WBT	MD410	*	335399.0	471140.0	335546.0	471114.0	*	149.	100. AG	1630.	3.0	.0	44.0		
36. WBR	MD410	*	335149.0	471281.0	335193.0	471223.0	*	73.	143. AG	300.	3.0	.0	32.0		
37. WBR	MD410	*	335192.0	471223.0	335238.0	471201.0	*	51.	116. AG	300.	3.0	.0	32.0		
38. WBR	MD410	*	335238.0	471201.0	335553.0	471128.0	*	323.	103. AG	300.	3.0	.0	32.0		
39. WBALL	MD410	*	335547.0	471114.0	335816.0	471081.0	*	271.	97. AG	2085.	3.0	.0	56.0		
40. WBALL	MD410	*	335816.0	471081.0	336099.0	471068.0	*	283.	93. AG	2085.	3.0	.0	56.0		
41. WBDP	MD410	*	334145.0	471469.0	335112.0	471222.0	*	998.	104. AG	2275.	3.0	.0	44.0		

JOB: S12 410&201 HLRT 2030PM  
 DATE: 01/11/2008 TIME: 12:57:46.34

RUN: S12 410&201 HLRT 2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. NBL	MD201	*	150	130	2.0	455	1717	32.10	1	3
4. NBT&R	MD201	*	150	91	2.0	1360	1770	32.10	1	3
11. SBL	MD201	*	150	129	2.0	415	1770	32.10	1	3
13. SBT	MD201	*	150	90	2.0	1430	1770	32.10	1	3
15. SBR	MD201	*	150	11	2.0	190	1583	32.10	1	3
22. EBL	MD410	*	150	128	2.0	665	1717	32.10	1	3
24. EBT&R	MD410	*	150	87	2.0	2090	1707	32.10	1	3
31. WBL	MD410	*	150	139	2.0	155	1770	32.10	1	3
34. WBT	MD410	*	150	98	2.0	1630	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	335164.0	471081.0	5.0	*
2. SE 82S		*	335147.0	471029.0	5.0	*
3. SE 164S		*	335148.0	470946.0	5.0	*
4. SE 256S		*	335148.0	470862.0	5.0	*
5. SE MIDS		*	335145.0	470710.0	5.0	*
6. SE 82E		*	335216.0	471067.0	5.0	*
7. SE 164E		*	335302.0	471046.0	5.0	*
8. SE 256E		*	335384.0	471027.0	5.0	*
9. SE MIDE		*	335669.0	470972.0	5.0	*
10. NE COR		*	335193.0	471253.0	5.0	*
11. NE 82N		*	335187.0	471316.0	5.0	*
12. NE 164N		*	335204.0	471401.0	5.0	*

13. NE 256N	*	335207.0	471489.0	5.0	*
14. NE MIDN	*	335262.0	471780.0	5.0	*
15. NE 82E	*	335243.0	471230.0	5.0	*
16. NE 164E	*	335325.0	471209.0	5.0	*
17. NE 256E	*	335406.0	471189.0	5.0	*
18. NE MIDE	*	335678.0	471126.0	5.0	*
19. SW COR	*	335031.0	471127.0	5.0	*
20. SW 82S	*	335048.0	471070.0	5.0	*
21. SW 164S	*	335049.0	470999.0	5.0	*
22. SW 256S	*	335048.0	470923.0	5.0	*
23. SW MIDS	*	335042.0	470711.0	5.0	*
24. SW 82W	*	334979.0	471146.0	5.0	*
25. SW 164W	*	334890.0	471168.0	5.0	*
26. SW 256W	*	334818.0	471192.0	5.0	*
27. SW MIDW	*	334609.0	471258.0	5.0	*
28. NW COR	*	335028.0	471298.0	5.0	*
29. NW 82N	*	335060.0	471344.0	5.0	*
30. NW 164N	*	335077.0	471429.0	5.0	*
31. NW 256N	*	335092.0	471505.0	5.0	*
32. NW MIDN	*	335149.0	471783.0	5.0	*
33. NW 82W	*	334970.0	471290.0	5.0	*
34. NW 164W	*	334887.0	471314.0	5.0	*
35. NW 256W	*	334809.0	471339.0	5.0	*
36. NW MIDW	*	334620.0	471387.0	5.0	*

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JOB: S12 410&amp;201 HLRT 2030PM

RUN: S12 410&amp;201 HLRT 2030PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.6	.7	.8	.7	1.1	.7	.6	.3	.4	.4	.6	.6	.9	.7	.3	.1	.0	.0	.4	.5
5.	*	.6	.6	.5	.7	.6	.7	.4	.3	.4	.4	.5	.5	.8	.7	.2	.0	.0	.0	.5	.6
10.	*	.6	.6	.6	.4	.4	.5	.4	.3	.4	.3	.5	.3	.6	.7	.0	.0	.0	.0	.5	.7
15.	*	.7	.6	.4	.2	.2	.4	.4	.3	.4	.3	.3	.5	.4	.0	.0	.0	.0	.7	.7	
20.	*	.4	.3	.3	.2	.2	.4	.4	.3	.4	.0	.1	.1	.2	.2	.0	.0	.0	.8	.8	
25.	*	.4	.2	.2	.1	.0	.4	.4	.4	.4	.0	.0	.1	.1	.0	.0	.0	.0	.7	.7	
30.	*	.4	.2	.2	.1	.0	.4	.4	.4	.4	.0	.0	.0	.1	.1	.0	.0	.0	.7	.6	
35.	*	.4	.3	.2	.1	.0	.4	.3	.4	.4	.0	.0	.0	.1	.1	.0	.0	.0	.7	.5	
40.	*	.4	.3	.2	.1	.0	.4	.3	.4	.5	.0	.0	.0	.0	.1	.0	.0	.0	.5	.2	
45.	*	.4	.3	.2	.1	.0	.4	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	
50.	*	.4	.3	.2	.1	.0	.4	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	
55.	*	.4	.3	.2	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6	
60.	*	.4	.3	.2	.1	.1	.3	.3	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	
65.	*	.5	.3	.2	.1	.1	.3	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	
70.	*	.4	.3	.1	.1	.1	.3	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	
75.	*	.4	.3	.1	.1	.1	.3	.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.7	.7	
80.	*	.4	.3	.1	.1	.1	.4	.4	.6	.4	.0	.0	.0	.0	.0	.0	.0	.1	.8	.8	
85.	*	.4	.3	.1	.1	.1	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.1	.8	.8	
90.	*	.4	.2	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.1	.1	.1	.2	.7	.9	
95.	*	.4	.1	.1	.1	.0	.4	.4	.4	.4	.1	.0	.0	.0	.1	.1	.1	.4	.7	.9	
100.	*	.3	.1	.1	.0	.0	.3	.2	.1	.2	.1	.1	.0	.0	.3	.2	.3	.5	.6	.7	
105.	*	.1	.1	.0	.0	.0	.1	.1	.1	.1	.3	.1	.1	.0	.3	.3	.4	.6	.6	.7	
110.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.3	.1	.1	.1	.0	.4	.5	.6	.7	.5	
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.6	.5	.6	.8	.5	
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.6	.6	.7	.7	.5	
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.6	.7	.6	.6	.5	
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.1	.0	.6	.7	.6	.6	.5	
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.6	.6	.6	.6	.8	
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.0	.5	.5	.5	.6	.9	
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.1	.0	.5	.5	.5	.7	.6	
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.0	.5	.5	.5	.7	.6	
155.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.4	.2	.1	.0	.5	.5	.5	.6	.8	
160.	*	.0	.2	.1	.1	.2	.0	.0	.0	.0	.5	.4	.2	.1	.0	.5	.5	.5	.6	.9	
165.	*	.1	.3	.2	.2	.2	.0	.0	.0	.0	.5	.4	.2	.2	.0	.5	.5	.5	.6	.5	
170.	*	.2	.4	.5	.4	.5	.0	.0	.0	.0	.5	.4	.2	.2	.1	.5	.5	.5	.6	.8	
175.	*	.2	.7	.6	.6	.6	.0	.0	.0	.0	.7	.5	.2	.2	.1	.5	.5	.5	.6	.5	
180.	*	.7	1.0	.8	.8	.9	.2	.0	.0	.0	.7	.5	.3	.4	.2	.7	.5	.5	.6	.3	
185.	*	.7	1.1	1.0	1.0	1.0	.3	.0	.0	.0	.8	.6	.5	.5	.3	.7	.5	.5	.6	.2	
190.	*	.9	1.2	1.1	1.1	1.2	.4	.0	.0	.0	.9	.8	.4	.6	.6	.8	.5	.6	.6	.1	
195.	*	.9	1.3	1.2	1.2	1.2	.5	.2	.0	.0	.8	.6	.4	.8	.6	.8	.7	.5	.6	.0	
200.	*	.8	1.2	1.3	1.2	1.2	.6	.2	.0	.0	.7	.5	.5	.8	.7	.8	.7	.6	.6	.0	
205.	*	.8	1.2	1.2	1.2	1.3	.5	.3	.2	.0	.7	.4	.5	.6	.8	.8	.8	.7	.6	.0	

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JOB: S12 410&amp;201 HLRT 2030PM

RUN: S12 410&amp;201 HLRT 2030PM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.8	1.1	1.1	1.1	1.2	.6	.3	.2	.0	.7	.4	.6	.6	.8	.9	.8	.7	.6	.0
215.	*	.8	1.0	1.0	1.1	1.0	.6	.3	.2	.0	.6	.4	.5	.7	.8	.9	.8	.7	.6	.0
220.	*	.8	1.0	1.0	1.0	1.0	.5	.3	.2	.0	.3	.5	.6	.8	.9	.9	.8	.7	.6	.0

225.	*	.8	1.0	1.0	1.0	1.0	.5	.3	.2	.0	.4	.6	.8	1.0	.8	.8	.8	.7	.6	.0	.0
230.	*	.6	1.0	.9	.9	1.0	.5	.3	.2	.0	.4	.7	.9	1.0	.9	.6	.8	.7	.6	.0	.0
235.	*	.6	.8	.8	.9	1.0	.5	.3	.2	.0	.4	.8	.9	.9	.9	.5	.7	.7	.7	.0	.0
240.	*	.6	.8	.8	.9	1.0	.5	.3	.2	.1	.5	.9	.9	1.0	.8	.6	.6	.6	.7	.0	.0
245.	*	.6	.8	.8	.9	.9	.5	.3	.2	.1	.5	.9	.9	.9	.7	.5	.5	.6	.8	.0	.0
250.	*	.6	.8	.8	.9	.9	.5	.3	.2	.1	.6	.9	.8	.9	.7	.4	.5	.5	.7	.0	.0
255.	*	.6	.8	.8	.8	.9	.4	.3	.2	.1	.6	.9	.8	.9	.7	.6	.5	.5	.6	.0	.0
260.	*	.6	.8	.8	.8	.9	.4	.3	.2	.1	.7	1.1	.8	.8	.5	.6	.8	.5	.6	.0	.0
265.	*	.4	.8	.8	.8	.9	.4	.3	.2	.0	.9	1.0	.9	.7	.6	.7	.7	.7	.6	.0	.0
270.	*	.4	.8	.8	.8	.9	.4	.3	.2	.0	1.0	1.0	.8	.7	.6	.8	.6	.9	.6	.0	.0
275.	*	.5	.8	.8	.8	.9	.5	.4	.1	.0	1.1	1.0	.6	.7	.6	.8	.6	.6	.8	.2	.0
280.	*	.6	.8	.8	.8	.9	.6	.3	.2	.2	1.0	.9	.6	.6	.6	.7	.6	.5	.6	.3	.1
285.	*	.6	1.0	.8	.8	.9	.5	.3	.2	.4	.8	.7	.5	.6	.7	.5	.4	.5	.4	.6	.2
290.	*	.9	1.0	.9	.8	.9	.8	.4	.5	.5	.8	.6	.5	.6	.7	.5	.4	.3	.3	.8	.3
295.	*	.9	1.2	1.0	.9	.9	.8	.5	.5	.5	.7	.5	.4	.6	.6	.4	.3	.1	.1	.8	.6
300.	*	.8	1.5	1.0	1.0	1.0	.7	.5	.4	.4	.5	.6	.5	.6	.6	.4	.2	.0	.0	.9	.7
305.	*	.8	1.3	1.0	1.1	1.1	.7	.5	.4	.4	.5	.6	.5	.6	.6	.4	.2	.1	.0	1.0	.7
310.	*	.6	1.3	1.2	1.1	1.1	.6	.3	.4	.5	.5	.6	.6	.6	.6	.4	.2	.1	.0	.8	.6
315.	*	.6	1.2	1.4	1.2	1.2	.5	.2	.4	.4	.5	.6	.6	.6	.6	.3	.2	.1	.0	.8	.6
320.	*	.6	1.2	1.4	1.2	1.2	.3	.4	.4	.4	.5	.6	.6	.6	.6	.3	.2	.1	.0	.8	.6
325.	*	.5	1.1	1.4	1.2	1.3	.1	.5	.5	.5	.5	.6	.6	.7	.7	.3	.2	.1	.0	.8	.5
330.	*	.4	1.0	1.4	1.2	1.4	.1	.6	.5	.4	.6	.6	.6	.7	.7	.3	.2	.1	.0	.7	.5
335.	*	.4	.9	1.1	1.2	1.4	.5	.6	.5	.4	.6	.7	.6	.7	.7	.3	.3	.1	.0	.7	.4
340.	*	.4	.7	1.0	1.0	1.2	.6	.7	.5	.4	.6	.6	.6	.7	.7	.4	.3	.1	.0	.6	.4
345.	*	.6	.6	.8	.9	1.1	.6	.7	.5	.4	.6	.7	.6	.7	.7	.4	.2	.1	.0	.5	.5
350.	*	.6	.7	.8	1.0	1.2	.7	.6	.5	.4	.6	.7	.6	.8	.7	.4	.2	.0	.0	.5	.5
355.	*	.5	.7	.8	.9	1.0	.7	.6	.3	.4	.6	.7	.6	.8	.8	.3	.2	.0	.0	.5	.3
360.	*	.6	.7	.8	.7	1.1	.7	.6	.3	.4	.4	.6	.6	.9	.7	.3	.1	.0	.0	.4	.5
MAX		.9	1.5	1.4	1.2	1.4	.8	.7	.6	.5	1.1	1.1	.9	1.0	.9	.9	.8	.9	.8	1.0	.9
DEGR.	*	190	300	315	195	330	290	340	80	40	275	260	230	240	230	210	205	270	115	305	90

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JOB: S12 410&amp;201 HLRT 2030PM

RUN: S12 410&amp;201 HLRT 2030PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.5	.3	.3	.8	.8	.8	.8	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
5.	*	.6	.6	.6	.8	.8	.8	.8	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
10.	*	.7	.7	.7	1.0	.8	.8	.8	.2	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0
15.	*	.6	.7	.6	.9	.8	.8	.8	.3	.4	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0
20.	*	.7	.9	.7	.8	1.0	.8	.8	.3	.5	.4	.4	.5	.2	.0	.0	.0	.0	.0	.0
25.	*	.6	.7	.8	.9	1.0	.8	.8	.5	.5	.5	.5	.5	.2	.2	.0	.0	.0	.0	.0
30.	*	.5	.7	.8	.9	1.0	.9	.8	.5	.5	.6	.6	.5	.3	.2	.0	.0	.0	.0	.0
35.	*	.7	.9	.9	.9	1.0	.9	.8	.5	.5	.6	.6	.5	.3	.2	.1	.0	.0	.0	.0
40.	*	.9	1.0	.8	.8	1.0	.9	.8	.5	.6	.6	.6	.5	.4	.1	.1	.0	.0	.0	.0
45.	*	.9	1.0	.7	.8	1.0	.9	.9	.5	.6	.5	.6	.5	.3	.1	.1	.0	.0	.0	.0
50.	*	.8	.9	.7	.6	1.0	.9	.9	.4	.5	.5	.6	.5	.3	.1	.1	.0	.0	.0	.0
55.	*	.8	.9	.6	.4	1.0	.9	.9	.4	.5	.5	.6	.5	.3	.1	.1	.0	.0	.0	.0
60.	*	.9	.9	.6	.4	.8	.9	.9	.4	.5	.5	.5	.5	.3	.1	.1	.0	.0	.0	.0
65.	*	.9	.8	.7	.3	.7	.8	.9	.4	.5	.5	.5	.6	.3	.1	.1	.0	.0	.0	.0
70.	*	.9	.7	.7	.4	.6	.8	.9	.4	.5	.5	.5	.6	.3	.1	.1	.0	.0	.0	.0
75.	*	1.0	.7	.7	.5	.6	.8	.9	.4	.5	.5	.5	.6	.2	.1	.1	.0	.0	.0	.0
80.	*	1.0	.7	.7	.6	.6	.7	1.0	.4	.5	.5	.5	.6	.2	.1	.1	.0	.0	.0	.0
85.	*	.8	.7	.7	.6	.4	.8	.9	.4	.5	.5	.5	.5	.2	.1	.1	.0	.0	.0	.0
90.	*	.8	.8	.6	.6	.5	.6	1.0	.4	.5	.5	.5	.5	.3	.1	.0	.0	.0	.0	.0
95.	*	.8	.7	.6	.6	.5	.7	1.0	.5	.5	.5	.5	.5	.4	.2	.2	.2	.2	.2	.3
100.	*	.8	.7	.6	.4	.5	.5	.8	.5	.6	.5	.5	.5	.4	.2	.2	.2	.3	.3	.4
105.	*	.8	.6	.6	.4	.4	.3	.5	.6	.6	.6	.5	.5	.5	.3	.3	.4	.7	.7	.8
110.	*	.6	.6	.6	.3	.2	.2	.5	.8	.6	.6	.6	.5	.7	.5	.4	.7	.8	.8	.9
115.	*	.7	.7	.6	.2	.2	.1	.1	.7	.8	.6	.6	.5	.7	.7	.6	.8	.9	.9	.0
120.	*	.7	.7	.6	.3	.3	.1	.1	.8	.8	.6	.6	.5	.6	.7	.7	.9	.0	.0	.0
125.	*	.7	.7	.6	.3	.3	.2	.1	.7	.8	.6	.6	.5	.5	.6	.6	.9	.0	.0	.0
130.	*	.7	.6	.7	.3	.3	.3	.1	.6	.8	.7	.6	.7	.4	.6	.7	.9	.0	.0	.0
135.	*	.9	.8	.7	.3	.3	.3	.1	.5	.8	.7	.6	.6	.5	.7	.8	1.1	.0	.0	.0
140.	*	.9	.9	.8	.4	.3	.3	.1	.2	.7	.7	.6	.7	.5	1.0	.9	1.0	.0	.0	.0
145.	*	.9	.9	.9	.4	.3	.3	.0	.3	.6	.7	.6	.6	.8	1.0	1.1	1.0	.0	.0	.0
150.	*	.8	.9	.9	.4	.3	.3	.0	.5	.4	.7	.7	.6	.8	1.0	1.1	.9	.0	.0	.0
155.	*	.9	.9	.8	.4	.3	.3	.0	.5	.2	.6	.7	.6	.9	1.0	1.0	.9	.0	.0	.0
160.	*	.9	.9	.7	.4	.3	.1	.0	.5	.5	.4	.5	.6	.9	1.0	.8	.9	.0	.0	.0
165.	*	1.0	1.0	.7	.3	.2	.0	.0	.5	.5	.6	.5	.6	1.0	1.0	.7	.9	.0	.0	.0
170.	*	.9	.9	.7	.3	.0	.0	.0	.5	.5	.6	.7	.6	1.0	.8	.7	.8	.0	.0	.0
175.	*	.7	.7	.6	.3	.0	.0	.0	.5	.5	.5	.7	.6	1.0	.7	.7	.8	.0	.0	.0
180.	*	.7	.7	.4	.2	.0	.0	.0	.6	.5	.4	.5	.5	.9	.7	.7	.8	.0	.0	.0
185.	*	.5	.4	.3	.0	.0	.0	.0	.6	.5	.4	.4	.5	.7	.7	.7	.8	.0	.0	.0
190.	*	.3	.3	.1	.0	.0	.0	.0	.5	.4	.4	.2	.3	.7	.7	.7	.8	.0	.0	.0
195.	*	.1	.1	.1	.0	.0	.0	.0	.4	.4	.3	.0	.2	.7	.7	.7	.8	.0	.0	.0
200.	*	.1	.1	.1	.0	.0	.0	.0	.4	.4	.4	.2	.1	.7	.7	.7	.8	.0	.0	.0
205.	*	.1	.1	.0	.0	.0	.0	.0	.5	.4	.4	.2	.0	.7	.7	.7	.8	.0	.0	.0

1

JOB: S12 410&amp;201 HLRT 2030PM

RUN: S12 410&amp;201 HLRT 2030PM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.1	.7	.7	.7	.8
215.	*	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.1	.7	.7	.8	.8
220.	*	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.2	.7	.7	.8	.8
225.	*	.0	.0	.0	.0	.0	.0	.7	.4	.4	.2	.2	.7	.7	.7	.9
230.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.2	.7	.7	.7	.9
235.	*	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.8	.8	.7	.9
240.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.1	.8	.8	.8	.9
245.	*	.0	.0	.0	.0	.0	.0	.7	.6	.3	.4	.1	.9	.9	.9	.9
250.	*	.0	.0	.0	.0	.0	.0	.7	.6	.4	.4	.1	1.0	1.0	.9	.9
255.	*	.0	.0	.0	.0	.0	.0	.7	.6	.4	.4	.1	1.0	1.1	.9	.9
260.	*	.0	.0	.0	.0	.0	.0	.8	.6	.4	.3	.0	1.1	1.0	.9	.9
265.	*	.0	.0	.0	.0	.0	.0	.9	.5	.4	.1	.0	1.1	1.0	.9	.9
270.	*	.0	.0	.0	.0	.0	.0	.8	.5	.4	.1	.0	1.0	1.0	.9	.7
275.	*	.0	.0	.0	.2	.2	.3	.3	.7	.5	.1	.1	.0	.9	1.0	.7
280.	*	.0	.0	.0	.3	.3	.3	.3	.5	.4	.1	.0	.0	.9	.7	.7
285.	*	.0	.0	.0	.6	.4	.5	.6	.5	.1	.0	.0	.0	.6	.6	.4
290.	*	.2	.0	.0	.8	.7	.8	.7	.2	.1	.0	.0	.0	.6	.5	.4
295.	*	.3	.1	.0	.8	.8	.8	.9	.1	.0	.0	.0	.0	.2	.2	.2
300.	*	.3	.2	.0	1.0	.9	1.1	1.1	.0	.0	.0	.0	.0	.2	.2	.0
305.	*	.4	.3	.1	1.1	1.0	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.3	.1	1.0	.9	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.5	.2	.1	.9	1.0	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.4	.2	.2	.9	.8	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.4	.2	.2	.8	.8	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.4	.2	.2	.8	.8	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.4	.3	.2	.8	.8	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.5	.4	.3	.8	.8	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.5	.4	.3	.8	.8	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.5	.4	.1	.8	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.3	.3	.3	.8	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.5	.3	.3	.8	.8	.8	.8	.0	.1	.1	.1	.0	.0	.0	.0
MAX	*	1.0	1.0	.9	1.1	1.0	1.1	1.1	.9	.8	.7	.7	.7	1.1	1.1	1.1
DEGR.	*	75	40	35	305	20	300	300	265	125	130	150	130	260	255	145

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 300 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 315 DEGREES FROM REC3 .  
THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 330 DEGREES FROM REC5 .

Site 13

MD 410 at MD 295  
Southbound Ramps

2015

S13 MD410&295SB			60.0321.0.0000.000220.30480000	1	1						
SW COR		1408.	1141.	5.0							
SW 82S		1416.	1076.	5.0							
SW 164S		1419.	994.	5.0							
SW 256S		1429.	913.	5.0							
SW MIDS		1476.	608.	5.0							
SW MIDS		1492.	436.	5.0							
SW 82W		1342.	1146.	5.0							
SW 164W		1261.	1143.	5.0							
SW 256W		1176.	1143.	5.0							
SW MIDW		896.	1135.	5.0							
SW MIDW		612.	1127.	5.0							
NW COR		1385.	1266.	5.0							
NW 82N		1388.	1334.	5.0							
NW 164N		1388.	1417.	5.0							
NW 256N		1391.	1497.	5.0							
NW MIDN		1456.	1792.	5.0							
NW MIDN		1498.	1910.	5.0							
NW 82W		1315.	1259.	5.0							
NW 164W		1235.	1256.	5.0							
NW 256W		1153.	1255.	5.0							
NW MIDW		921.	1246.	5.0							
NW MIDW		704.	1239.	5.0							
S13 MD410&295SB			44	1	0						
1											
EB	410SR	AG	1424.	1185.	426.	1149.	1235	6.0	0.	56	25
2											
EB	410SR	AG	1382.	1184.	1049.	1171.		0.	36	3	
100	41		2.0	1235	65.9	1667	1	3			
1											
EB	410NR	AG	1978.	1203.	1427.	1193.	1160	6.0	0.	56	25
2											
EB	410NR	AG	1925.	1202.	1741.	1199.		0.	36	3	
100	19		2.0	1160	65.9	1770	1	3			
1											
EBDP	410NR	AG	2842.	1738.	2512.	1380.	965	6.0	0.	44	25
1											
EBDP	410NR	AG	2512.	1380.	2360.	1282.	965	6.0	0.	44	25
1											
EBDP	410NR	AG	2360.	1282.	2239.	1232.	965	6.0	0.	44	25
1											
EBDP	410NR	AG	2239.	1232.	2111.	1204.	965	6.0	0.	44	25
1											
EBDP	410NR	AG	2111.	1204.	1974.	1193.	965	6.0	0.	44	25
1											
WB	410NR	AG	1986.	1244.	2167.	1260.	1750	6.3	0.	68	22
2											
WB	410NR	AG	2021.	1247.	2144.	1258.		0.	48	4	
100	40		2.0	1750	65.9	1667	1	3			
1											
WB	410NR	AG	2167.	1260.	2371.	1329.	1750	6.3	0.	68	22
1											
WB	410NR	AG	2371.	1329.	2507.	1424.	1750	6.3	0.	56	22
1											
WB	410NR	AG	2508.	1423.	2596.	1498.	1750	6.3	0.	44	22
1											
WB	410NR	AG	2596.	1498.	2828.	1760.	1750	6.3	0.	44	22
1											
WB	410SR	AG	1425.	1230.	1985.	1240.	1795	6.4	0.	56	21
2											
WB	410SR	AG	1465.	1231.	1654.	1234.		0.	36	3	
100	24		2.0	1795	65.9	1770	1	3			
1											
WBDP	410SR	AG	425.	1195.	1422.	1234.	1795	6.4	0.	44	22
1											
SB	410SR	AG	1427.	1213.	1423.	1441.	340	5.8	0.	56	35
2											
SB	410SR	AG	1426.	1279.	1424.	1396.		0.	36	3	
100	74		2.0	340	65.9	1672	1	3			
1											
SB	410SR	AG	1423.	1441.	1436.	1576.	340	5.8	0.	56	35
1											
SB	410SR	AG	1438.	1577.	1506.	1865.	340	5.8	0.	44	35
1											
SB	410SR	AG	1506.	1865.	1636.	2194.	340	5.8	0.	12	35
1											
SBDP	410SR	AG	1509.	217.	1516.	423.	410	5.8	0.	32	35
1											
SBDP	410SR	AG	1516.	423.	1494.	658.	410	5.8	0.	32	35
1											
SBDP	410SR	AG	1494.	658.	1443.	935.	410	5.8	0.	32	35
1											
SBDP	410SR	AG	1443.	935.	1429.	1211.	410	5.8	0.	32	35
1											
SB	I295	AG	1535.	222.	1561.	511.	3764	7.8	0.	44	58
1											
SB	I295	AG	1562.	512.	1548.	1370.	3764	7.8	0.	44	58
1											
SB	I295	AG	1549.	1371.	1571.	1711.	3764	7.8	0.	44	58
1											
SB	I295	AG	1571.	1711.	1663.	2184.	3764	7.8	0.	44	58
1											
NB	295NR	AG	1970.	1229.	1959.	1008.	350	5.8	0.	56	35
2											
NB	410NR	AG	1967.	1160.	1960.	1019.		0.	36	3	

	100	80	2.0	350	65.9	1672	1	3			
1 NB	295NR	AG	1959.	1008.	1926.	828.	350	5.8	0.	56	35
1 NBALL	295NR	AG	1927.	825.	1864.	545.	350	5.8	0.	44	35
1 NBALL	295NR	AG	1864.	545.	1783.	278.	350	5.8	0.	44	35
1 NBDP	295NR	AG	1955.	2063.	1935.	1845.	500	5.8	0.	32	35
1 NBDP	295NR	AG	1935.	1845.	1942.	1667.	500	5.8	0.	32	35
1 NBDP	295NR	AG	1942.	1667.	1967.	1451.	500	5.8	0.	32	35
1 NBDP	295NR	AG	1967.	1451.	1990.	1231.	500	5.8	0.	32	35
1 NB	I295	AG	1929.	2078.	1865.	1711.	2510	8.5	0.	44	65
1 NB	I295	AG	1865.	1711.	1834.	1289.	2510	8.5	0.	44	55
1 NB	I295	AG	1834.	1289.	1787.	597.	2510	8.5	0.	44	55
1 NB	I295	AG	1787.	597.	1731.	261.	2510	8.5	0.	44	55
1.0	04 1000	OY 5	0 72								

JOB: S13 MD410&amp;295SB

RUN: S13 MD410&amp;295SB

DATE: 09/23/2007 TIME: 22:52:20.28

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EB	410SR	*	1424.0	1185.0	426.0	1149.0	*	999.	268. AG	1235.	6.0	.0	56.0	
2. EB	410SR	*	1382.0	1184.0	1289.9	1180.4	*	92.	268. AG	217.	100.0	.0	36.0	.45 4.7
3. EB	410NR	*	1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1160.	6.0	.0	56.0	
4. EB	410NR	*	1925.0	1202.0	1884.9	1201.3	*	40.	269. AG	101.	100.0	.0	36.0	.28 2.0
5. EBDP	410NR	*	2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	965.	6.0	.0	44.0	
6. EBDP	410NR	*	2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	965.	6.0	.0	44.0	
7. EBDP	410NR	*	2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	965.	6.0	.0	44.0	
8. EBDP	410NR	*	2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	965.	6.0	.0	44.0	
9. EBDP	410NR	*	2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	965.	6.0	.0	44.0	
10. WB	410NR	*	1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	1750.	6.3	.0	68.0	
11. WB	410NR	*	2021.0	1247.0	2116.2	1255.5	*	96.	85. AG	283.	100.0	.0	48.0	.47 4.9
12. WB	410NR	*	2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	1750.	6.3	.0	68.0	
13. WB	410NR	*	2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	1750.	6.3	.0	56.0	
14. WB	410NR	*	2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	1750.	6.3	.0	44.0	
15. WB	410NR	*	2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	1750.	6.3	.0	44.0	
16. WB	410SR	*	1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	1795.	6.4	.0	56.0	
17. WB	410SR	*	1465.0	1231.0	1543.5	1232.2	*	78.	89. AG	127.	100.0	.0	36.0	.47 4.0
18. WBDP	410SR	*	425.0	1195.0	1422.0	1234.0	*	998.	88. AG	1795.	6.4	.0	44.0	
19. SB	410SR	*	1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	340.	5.8	.0	56.0	
20. SB	410SR	*	1426.0	1279.0	1425.2	1324.7	*	46.	359. AG	392.	100.0	.0	36.0	.31 2.3
21. SB	410SR	*	1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	340.	5.8	.0	56.0	
22. SB	410SR	*	1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	340.	5.8	.0	44.0	
23. SB	410SR	*	1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	340.	5.8	.0	12.0	
24. SBDP	410SR	*	1509.0	217.0	1516.0	423.0	*	206.	2. AG	410.	5.8	.0	32.0	
25. SBDP	410SR	*	1516.0	423.0	1494.0	658.0	*	236.	355. AG	410.	5.8	.0	32.0	
26. SBDP	410SR	*	1494.0	658.0	1443.0	935.0	*	282.	350. AG	410.	5.8	.0	32.0	
27. SBDP	410SR	*	1443.0	935.0	1429.0	1211.0	*	276.	357. AG	410.	5.8	.0	32.0	
28. SB	I295	*	1535.0	222.0	1561.0	511.0	*	290.	5. AG	3764.	7.8	.0	44.0	
29. SB	I295	*	1562.0	512.0	1548.0	1370.0	*	858.	359. AG	3764.	7.8	.0	44.0	
30. SB	I295	*	1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	3764.	7.8	.0	44.0	
31. SB	I295	*	1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	3764.	7.8	.0	44.0	
32. NB	295NR	*	1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	350.	5.8	.0	56.0	
33. NB	410NR	*	1967.0	1160.0	1964.5	1109.3	*	51.	183. AG	424.	100.0	.0	36.0	.43 2.6
34. NB	295NR	*	1959.0	1008.0	1926.0	828.0	*	183.	190. AG	350.	5.8	.0	56.0	
35. NBALL	295NR	*	1927.0	825.0	1864.0	545.0	*	287.	193. AG	350.	5.8	.0	44.0	
36. NBALL	295NR	*	1864.0	545.0	1783.0	278.0	*	279.	197. AG	350.	5.8	.0	44.0	
37. NBDP	295NR	*	1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	500.	5.8	.0	32.0	
38. NBDP	295NR	*	1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	500.	5.8	.0	32.0	
39. NBDP	295NR	*	1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	500.	5.8	.0	32.0	
40. NBDP	295NR	*	1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	500.	5.8	.0	32.0	
41. NB	I295	*	1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	2510.	8.5	.0	44.0	
42. NB	I295	*	1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	2510.	8.5	.0	44.0	
43. NB	I295	*	1834.0	1289.0	1787.0	597.0	*	694.	184. AG	2510.	8.5	.0	44.0	
44. NB	I295	*	1787.0	597.0	1731.0	261.0	*	341.	189. AG	2510.	8.5	.0	44.0	

JOB: S13 MD410&amp;295SB

RUN: S13 MD410&amp;295SB

DATE: 09/23/2007 TIME: 22:52:20.28

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EB	410SR	*	100	41	2.0	1235	1667	65.90	1	3
4. EB	410NR	*	100	19	2.0	1160	1770	65.90	1	3
11. WB	410NR	*	100	40	2.0	1750	1667	65.90	1	3
17. WB	410SR	*	100	24	2.0	1795	1770	65.90	1	3
20. SB	410SR	*	100	74	2.0	340	1672	65.90	1	3
33. NB	410NR	*	100	80	2.0	350	1672	65.90	1	3

## RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SW COR		*	1408.0	1141.0	5.0	*
2. SW 82S		*	1416.0	1076.0	5.0	*
3. SW 164S		*	1419.0	994.0	5.0	*
4. SW 256S		*	1429.0	913.0	5.0	*
5. SW MIDS		*	1476.0	608.0	5.0	*
6. SW MIDS		*	1492.0	436.0	5.0	*
7. SW 82W		*	1342.0	1146.0	5.0	*
8. SW 164W		*	1261.0	1143.0	5.0	*
9. SW 256W		*	1176.0	1143.0	5.0	*
10. SW MIDW		*	896.0	1135.0	5.0	*
11. SW MIDW		*	612.0	1127.0	5.0	*
12. NW COR		*	1385.0	1266.0	5.0	*



13. NW 82N	*	1388.0	1334.0	5.0	*
14. NW 164N	*	1388.0	1417.0	5.0	*
15. NW 256N	*	1391.0	1497.0	5.0	*
16. NW MIDN	*	1456.0	1792.0	5.0	*
17. NW MIDN	*	1498.0	1910.0	5.0	*
18. NW 82W	*	1315.0	1259.0	5.0	*
19. NW 164W	*	1235.0	1256.0	5.0	*
20. NW 256W	*	1153.0	1255.0	5.0	*
21. NW MIDW	*	921.0	1246.0	5.0	*
22. NW MIDW	*	704.0	1239.0	5.0	*

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JOB: S13 MD410&amp;295SB

RUN: S13 MD410&amp;295SB

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.7	.4	.4	.5	.5	.9	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.8	.6	.6	.5	.7	.6	1.0	.4	.4	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0
10.	*	.6	.7	.5	.6	.7	.7	1.2	.4	.4	.4	.3	.1	.1	.1	.0	.0	.1	.0	.0
15.	*	.9	.8	.6	.6	.6	.8	1.2	.6	.4	.4	.5	.2	.2	.1	.1	.1	.1	.1	.0
20.	*	.9	.9	.7	.7	.8	.9	1.2	.7	.5	.4	.7	.4	.3	.2	.1	.1	.2	.1	.0
25.	*	1.0	.9	.7	.7	.9	.8	1.3	.7	.5	.4	.8	.5	.4	.3	.2	.2	.2	.1	.1
30.	*	1.2	.8	.8	.9	.7	.9	1.3	.9	.6	.4	.4	1.0	.4	.4	.3	.3	.2	.2	.1
35.	*	1.1	.9	.7	.8	.7	.8	1.2	.9	.6	.5	.5	1.1	.6	.3	.4	.3	.4	.3	.2
40.	*	1.0	.9	.8	.8	.7	.8	1.2	.9	.6	.6	.5	1.1	.6	.4	.6	.5	.5	.2	.2
45.	*	1.1	.7	.8	.9	.7	.9	1.3	1.0	.6	.6	.5	1.3	.5	.5	.5	.5	.4	.3	.2
50.	*	1.0	.7	.7	.7	.7	.8	1.4	1.2	.7	.7	.5	1.2	.6	.4	.5	.5	.3	.2	.2
55.	*	1.0	.7	.8	.7	.7	.9	1.3	1.3	1.0	.6	.5	1.2	.5	.4	.6	.5	.6	.2	.1
60.	*	1.0	.7	.7	.6	.7	.9	1.1	1.3	1.0	.6	.5	1.1	.5	.4	.5	.6	.4	.5	.3
65.	*	1.0	.7	.7	.6	.7	.8	1.1	1.2	1.1	.6	.6	1.1	.5	.4	.6	.6	.4	.5	.4
70.	*	1.0	.7	.5	.5	.7	.8	1.0	1.2	.9	.8	.6	1.1	.5	.4	.5	.6	.5	.5	.5
75.	*	.9	.7	.5	.5	.7	.8	.9	1.0	.9	.7	.6	1.0	.6	.4	.5	.6	.5	.8	.6
80.	*	.9	.7	.5	.5	.7	.8	.8	1.0	1.0	.6	.7	1.0	.6	.5	.5	.5	.7	.5	.6
85.	*	.7	.5	.5	.5	.7	.8	.6	.9	.8	.6	.6	1.0	.7	.5	.5	.5	.9	.7	.5
90.	*	.7	.5	.5	.5	.8	.8	.6	.7	.8	.4	.5	1.2	.8	.5	.5	.5	1.0	1.0	.7
95.	*	.6	.5	.5	.5	.8	.8	.5	.7	.6	.4	.4	1.1	.9	.5	.5	.5	1.1	1.0	1.0
100.	*	.5	.5	.5	.5	.7	.8	.4	.4	.5	.3	.3	1.3	1.1	.5	.5	.6	.5	1.0	1.1
105.	*	.5	.5	.5	.5	.7	.8	.3	.3	.4	.3	.2	1.2	1.3	.6	.5	.5	.5	1.0	1.1
110.	*	.5	.5	.5	.6	.7	.7	.3	.3	.3	.3	.2	1.0	1.4	.6	.5	.6	.5	1.1	.9
115.	*	.5	.5	.5	.6	.6	.7	.3	.3	.3	.1	.2	1.0	1.6	.6	.7	.6	.5	1.0	1.2
120.	*	.5	.5	.5	.6	.7	.7	.4	.3	.3	.1	.1	1.1	1.6	.7	.6	.5	.6	1.1	1.0
125.	*	.5	.5	.5	.6	.7	.7	.4	.3	.3	.1	.0	1.0	1.6	.7	.6	.6	.5	1.1	1.0
130.	*	.5	.6	.6	.7	.6	.8	.4	.3	.2	.1	.0	1.0	1.6	.7	.6	.5	.5	.9	1.0
135.	*	.6	.6	.6	.6	.7	.7	.4	.3	.2	.1	.0	.9	1.6	.8	.5	.6	.5	1.0	.7
140.	*	.6	.6	.7	.6	.6	.7	.4	.2	.1	.0	.0	.8	1.6	.8	.6	.6	.5	1.0	.9
145.	*	.6	.7	.6	.6	.7	.7	.3	.2	.1	.0	.0	.9	1.4	.9	.5	.6	.6	1.0	.9
150.	*	.6	.6	.6	.5	.5	.7	.3	.2	.2	.0	.0	1.0	1.3	1.0	.5	.6	.6	.9	.7
155.	*	.5	.5	.6	.6	.6	.7	.2	.2	.2	.0	.0	.8	1.1	.9	.6	.7	.7	.9	.6
160.	*	.4	.5	.6	.5	.6	.6	.3	.2	.1	.0	.0	.7	.9	.7	.5	.6	.6	.9	.7
165.	*	.4	.4	.5	.4	.5	.6	.2	.1	.0	.0	.0	.7	.7	.7	.5	.7	.7	.9	.5
170.	*	.4	.4	.5	.3	.4	.5	.2	.0	.0	.0	.0	.8	.5	.7	.3	.5	.6	.8	.4
175.	*	.3	.3	.2	.3	.3	.4	.0	.0	.0	.0	.0	.6	.5	.5	.3	.5	.6	.8	.5
180.	*	.1	.3	.2	.2	.2	.3	.0	.0	.0	.0	.0	.6	.5	.4	.3	.4	.5	.8	.5
185.	*	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	.3	.4	.4	.3	.7	.4	.4
190.	*	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	.4	.4	.2	.1	.3	.6	.4
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.2	.0	.1	.6	.4
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.1	.0	.0	.6	.4
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.2	.0	.0	.5	.4	.4

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JOB: S13 MD410&amp;295SB

RUN: S13 MD410&amp;295SB

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.2	.0	.0	.6	.5	.4
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.1	.0	.6	.5	.5
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.2	.1	.0	.5	.5	.5
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.2	.0	.0	.5	.5	.5
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.2	.0	.0	.6	.6	.5
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.2	.0	.0	.7	.7	.6
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.0	.7	.7	.7
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.8	.3	.2	.1	.0	.0	.7	.7	.7
250.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.7	.3	.2	.1	.0	.0	.7	.7	.7
255.	*	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.6	.3	.1	.0	.0	.0	.7	.6	.6
260.	*	.1	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1	.5	.2	.1	.0	.0	.6	.6	.6
265.	*	.4	.0	.0	.0	.0	.0	.3	.3	.3	.3	.2	.5	.1	.0	.0	.0	.6	.5	.5
270.	*	.4	.2	.0	.0	.0	.0	.4	.4	.4	.4	.2	.4	.1	.0	.0	.0	.5	.5	.4
275.	*	.6	.2	.0	.0	.0	.0	.6	.5	.5	.4	.3	.2	.0	.0	.0	.0	.3	.3	.2
280.	*	.7	.2	.2	.0	.0	.0	.6	.5	.5	.5	.4	.1	.0	.0	.0	.0	.2	.2	.1
285.	*	.8	.2	.2	.0	.0	.0	.7	.5	.5	.5	.4	.1	.0	.0	.0	.0	.1	.1	.1
290.	*	.8	.2	.2	.2	.0	.0	.7	.5	.5	.5	.4	.0	.0	.0	.0	.0	.1	.1	.0

295.	*	.9	.3	.2	.2	.0	.0	.8	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	
300.	*	.8	.3	.2	.2	.0	.0	.8	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	
305.	*	.8	.3	.2	.2	.0	.0	.9	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.8	.4	.2	.2	.0	.0	.9	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.8	.4	.2	.2	.0	.0	.9	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.7	.4	.3	.2	.0	.0	.9	.4	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.7	.4	.3	.2	.0	.0	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.6	.4	.3	.3	.0	.0	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.6	.4	.3	.3	.0	.0	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.5	.3	.3	.2	.0	.0	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.6	.3	.3	.2	.0	.1	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.5	.4	.3	.3	.1	.2	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.4	.5	.4	.1	.3	.4	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
360.	*	.6	.7	.4	.4	.5	.5	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
MAX	*	1.2	.9	.8	.9	.9	.9	1.4	1.3	1.1	.8	.7	1.3	1.6	1.0	.7	.7	.7	1.1	1.2	1.1
DEGR.	*	30	35	30	45	25	55	50	55	65	70	80	45	115	150	115	155	155	95	115	100

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JOB: S13 MD410&295SB

RUN: S13 MD410&295SB

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.1	.0
40.	*	.1	.0
45.	*	.1	.0
50.	*	.1	.1
55.	*	.2	.1
60.	*	.1	.0
65.	*	.1	.1
70.	*	.2	.2
75.	*	.2	.2
80.	*	.4	.2
85.	*	.5	.5
90.	*	.7	.6
95.	*	.7	.6
100.	*	.8	.7
105.	*	.8	.8
110.	*	.8	.8
115.	*	.9	.7
120.	*	.7	.7
125.	*	.6	.6
130.	*	.6	.6
135.	*	.6	.5
140.	*	.6	.5
145.	*	.4	.4
150.	*	.4	.4
155.	*	.4	.4
160.	*	.4	.4
165.	*	.4	.4
170.	*	.4	.4
175.	*	.4	.4
180.	*	.4	.4
185.	*	.4	.4
190.	*	.4	.4
195.	*	.4	.4
200.	*	.4	.4
205.	*	.4	.4

1

JOB: S13 MD410&295SB

RUN: S13 MD410&295SB

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

210.	*	.4	.4
215.	*	.5	.5
220.	*	.5	.5
225.	*	.5	.5
230.	*	.5	.5
235.	*	.6	.5
240.	*	.6	.5

245.	*	.6	.5
250.	*	.6	.5
255.	*	.6	.5
260.	*	.5	.4
265.	*	.5	.3
270.	*	.3	.2
275.	*	.2	.1
280.	*	.1	.1
285.	*	.1	.1
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0
-----*			
MAX	*	.9	.8
DEGR.	*	115	105

THE HIGHEST CONCENTRATION IS    1.60 PPM AT   115 DEGREES FROM REC13.

THE 2ND HIGHEST CONCENTRATION IS    1.40 PPM AT   50 DEGREES FROM REC7 .

THE 3RD HIGHEST CONCENTRATION IS    1.30 PPM AT   55 DEGREES FROM REC8 .

S13 MD410&295SB	EXPM			60.0321.0.0000.000220.30480000	1	1					
SW COR		1408.	1141.	5.0							
SW 82S		1416.	1076.	5.0							
SW 164S		1419.	994.	5.0							
SW 256S		1429.	913.	5.0							
SW MIDS		1476.	608.	5.0							
SW MIDS		1492.	436.	5.0							
SW 82W		1342.	1146.	5.0							
SW 164W		1261.	1143.	5.0							
SW 256W		1176.	1143.	5.0							
SW MIDW		896.	1135.	5.0							
SW MIDW		612.	1127.	5.0							
NW COR		1385.	1266.	5.0							
NW 82N		1388.	1334.	5.0							
NW 164N		1388.	1417.	5.0							
NW 256N		1391.	1497.	5.0							
NW MIDN		1456.	1792.	5.0							
NW MIDN		1498.	1910.	5.0							
NW 82W		1315.	1259.	5.0							
NW 164W		1235.	1256.	5.0							
NW 256W		1153.	1255.	5.0							
NW MIDW		921.	1246.	5.0							
NW MIDW		704.	1239.	5.0							
S13 MD410&295SB	EXPM		44	1	0						
1											
EB	410SR	AG	1424.	1185.	426.	1149.	1235	6.1	0.	56	25
2											
EB	410SR	AG	1382.	1184.	1049.	1171.		0.	36	3	
100		47	2.0	1235	65.9	1667	1	3			
1											
EB	410NR	AG	1978.	1203.	1427.	1193.	1160	6.1	0.	56	25
2											
EB	410NR	AG	1925.	1202.	1741.	1199.		0.	36	3	
100		22	2.0	1160	65.9	1770	1	3			
1											
EBDP	410NR	AG	2842.	1738.	2512.	1380.	965	6.1	0.	44	25
1											
EBDP	410NR	AG	2512.	1380.	2360.	1282.	965	6.1	0.	44	25
1											
EBDP	410NR	AG	2360.	1282.	2239.	1232.	965	6.1	0.	44	25
1											
EBDP	410NR	AG	2239.	1232.	2111.	1204.	965	6.1	0.	44	25
1											
EBDP	410NR	AG	2111.	1204.	1974.	1193.	965	6.1	0.	44	25
1											
WB	410NR	AG	1986.	1244.	2167.	1260.	1750	6.5	0.	68	22
2											
WB	410NR	AG	2021.	1247.	2144.	1258.		0.	48	4	
100		37	2.0	1750	65.9	1667	1	3			
1											
WB	410NR	AG	2167.	1260.	2371.	1329.	1750	6.5	0.	68	22
1											
WB	410NR	AG	2371.	1329.	2507.	1424.	1750	6.5	0.	56	22
1											
WB	410NR	AG	2508.	1423.	2596.	1498.	1750	6.5	0.	44	22
1											
WB	410NR	AG	2596.	1498.	2828.	1760.	1750	6.5	0.	44	22
1											
WB	410SR	AG	1425.	1230.	1985.	1240.	1795	6.5	0.	56	21
2											
WB	410SR	AG	1465.	1231.	1654.	1234.		0.	36	3	
100		28	2.0	1795	65.9	1770	1	3			
1											
WBDP	410SR	AG	425.	1195.	1422.	1234.	1795	6.5	0.	44	22
1											
SB	410SR	AG	1427.	1213.	1423.	1441.	340	5.8	0.	56	35
2											
SB	410SR	AG	1426.	1279.	1424.	1396.		0.	36	3	
100		71	2.0	340	65.9	1672	1	3			
1											
SB	410SR	AG	1423.	1441.	1436.	1576.	340	5.8	0.	56	35
1											
SB	410SR	AG	1438.	1577.	1506.	1865.	340	5.8	0.	44	35
1											
SB	410SR	AG	1506.	1865.	1636.	2194.	340	5.8	0.	12	35
1											
SBDP	410SR	AG	1509.	217.	1516.	423.	410	5.8	0.	32	35
1											
SBDP	410SR	AG	1516.	423.	1494.	658.	410	5.8	0.	32	35
1											
SBDP	410SR	AG	1494.	658.	1443.	935.	410	5.8	0.	32	35
1											
SBDP	410SR	AG	1443.	935.	1429.	1211.	410	5.8	0.	32	35
1											
SB	I295	AG	1535.	222.	1561.	511.	3764	8.1	0.	44	61
1											
SB	I295	AG	1562.	512.	1548.	1370.	3764	8.1	0.	44	58
1											
SB	I295	AG	1549.	1371.	1571.	1711.	3764	8.1	0.	44	58
1											
SB	I295	AG	1571.	1711.	1663.	2184.	3764	8.1	0.	44	58
1											
NB	295NR	AG	1970.	1229.	1959.	1008.	350	5.8	0.	56	35
2											
NB	410NR	AG	1967.	1160.	1960.	1019.		0.	36	3	

[illegible]

JOB: S13 MD410&amp;295SB EXPM

RUN: S13 MD410&amp;295SB EXPM

DATE: 09/23/2007 TIME: 22:52:22.48

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
			X1	Y1	X2	Y2								
1.	EB	410SR	* 1424.0	1185.0	426.0	1149.0	*	999.	268. AG	1235.	6.1	.0	56.0	
2.	EB	410SR	* 1382.0	1184.0	1276.5	1179.9	*	106.	268. AG	249.	100.0	.0	36.0	.50 5.4
3.	EB	410NR	* 1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1160.	6.1	.0	56.0	
4.	EB	410NR	* 1925.0	1202.0	1878.6	1201.2	*	46.	269. AG	117.	100.0	.0	36.0	.29 2.4
5.	EBDP	410NR	* 2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	965.	6.1	.0	44.0	
6.	EBDP	410NR	* 2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	965.	6.1	.0	44.0	
7.	EBDP	410NR	* 2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	965.	6.1	.0	44.0	
8.	EBDP	410NR	* 2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	965.	6.1	.0	44.0	
9.	EBDP	410NR	* 2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	965.	6.1	.0	44.0	
10.	WB	410NR	* 1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	1750.	6.5	.0	68.0	
11.	WB	410NR	* 2021.0	1247.0	2109.1	1254.9	*	88.	85. AG	262.	100.0	.0	48.0	.44 4.5
12.	WB	410NR	* 2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	1750.	6.5	.0	68.0	
13.	WB	410NR	* 2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	1750.	6.5	.0	56.0	
14.	WB	410NR	* 2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	1750.	6.5	.0	44.0	
15.	WB	410NR	* 2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	1750.	6.5	.0	44.0	
16.	WB	410SR	* 1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	1795.	6.5	.0	56.0	
17.	WB	410SR	* 1465.0	1231.0	1556.5	1232.5	*	92.	89. AG	148.	100.0	.0	36.0	.50 4.7
18.	WBDF	410SR	* 425.0	1195.0	1422.0	1234.0	*	998.	88. AG	1795.	6.5	.0	44.0	
19.	SB	410SR	* 1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	340.	5.8	.0	56.0	
20.	SB	410SR	* 1426.0	1279.0	1425.3	1322.9	*	44.	359. AG	377.	100.0	.0	36.0	.27 2.2
21.	SB	410SR	* 1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	340.	5.8	.0	56.0	
22.	SB	410SR	* 1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	340.	5.8	.0	44.0	
23.	SB	410SR	* 1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	340.	5.8	.0	12.0	
24.	SBDP	410SR	* 1509.0	217.0	1516.0	423.0	*	206.	2. AG	410.	5.8	.0	32.0	
25.	SBDP	410SR	* 1516.0	423.0	1494.0	658.0	*	236.	355. AG	410.	5.8	.0	32.0	
26.	SBDP	410SR	* 1494.0	658.0	1443.0	935.0	*	282.	350. AG	410.	5.8	.0	32.0	
27.	SBDP	410SR	* 1443.0	935.0	1429.0	1211.0	*	276.	357. AG	410.	5.8	.0	32.0	
28.	SB	I295	* 1535.0	222.0	1561.0	511.0	*	290.	5. AG	3764.	8.1	.0	44.0	
29.	SB	I295	* 1562.0	512.0	1548.0	1370.0	*	858.	359. AG	3764.	8.1	.0	44.0	
30.	SB	I295	* 1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	3764.	8.1	.0	44.0	
31.	SB	I295	* 1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	3764.	8.1	.0	44.0	
32.	NB	295NR	* 1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	350.	5.8	.0	56.0	
33.	NB	410NR	* 1967.0	1160.0	1964.6	1111.9	*	48.	183. AG	403.	100.0	.0	36.0	.35 2.4
34.	NB	295NR	* 1959.0	1008.0	1926.0	828.0	*	183.	190. AG	350.	5.8	.0	56.0	
35.	NBALL	295NR	* 1927.0	825.0	1864.0	545.0	*	287.	193. AG	350.	5.8	.0	44.0	
36.	NBALL	295NR	* 1864.0	545.0	1783.0	278.0	*	279.	197. AG	350.	5.8	.0	44.0	
37.	NBDP	295NR	* 1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	500.	5.8	.0	32.0	
38.	NBDP	295NR	* 1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	500.	5.8	.0	32.0	
39.	NBDP	295NR	* 1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	500.	5.8	.0	32.0	
40.	NBDP	295NR	* 1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	500.	5.8	.0	32.0	
41.	NB	I295	* 1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	2510.	7.7	.0	44.0	
42.	NB	I295	* 1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	2510.	7.7	.0	44.0	
43.	NB	I295	* 1834.0	1289.0	1787.0	597.0	*	694.	184. AG	2510.	7.7	.0	44.0	
44.	NB	I295	* 1787.0	597.0	1731.0	261.0	*	341.	189. AG	2510.	7.7	.0	44.0	

JOB: S13 MD410&amp;295SB EXPM

RUN: S13 MD410&amp;295SB EXPM

DATE: 09/23/2007 TIME: 22:52:22.48

## ADDITIONAL QUEUE LINK PARAMETERS

	LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
			LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
2.	EB	410SR	* 100	47	2.0	1235	1667	65.90	1	3
4.	EB	410NR	* 100	22	2.0	1160	1770	65.90	1	3
11.	WB	410NR	* 100	37	2.0	1750	1667	65.90	1	3
17.	WB	410SR	* 100	28	2.0	1795	1770	65.90	1	3
20.	SB	410SR	* 100	71	2.0	340	1672	65.90	1	3
33.	NB	410NR	* 100	76	2.0	350	1672	65.90	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1.	SW COR	* 1408.0	1141.0	5.0	*
2.	SW 82S	* 1416.0	1076.0	5.0	*
3.	SW 164S	* 1419.0	994.0	5.0	*
4.	SW 256S	* 1429.0	913.0	5.0	*
5.	SW MIDS	* 1476.0	608.0	5.0	*
6.	SW MIDS	* 1492.0	436.0	5.0	*
7.	SW 82W	* 1342.0	1146.0	5.0	*
8.	SW 164W	* 1261.0	1143.0	5.0	*
9.	SW 256W	* 1176.0	1143.0	5.0	*
10.	SW MIDW	* 896.0	1135.0	5.0	*
11.	SW MIDW	* 612.0	1127.0	5.0	*
12.	NW COR	* 1385.0	1266.0	5.0	*

13. NW 82N	*	1388.0	1334.0	5.0	*
14. NW 164N	*	1388.0	1417.0	5.0	*
15. NW 256N	*	1391.0	1497.0	5.0	*
16. NW MIDN	*	1456.0	1792.0	5.0	*
17. NW MIDN	*	1498.0	1910.0	5.0	*
18. NW 82W	*	1315.0	1259.0	5.0	*
19. NW 164W	*	1235.0	1256.0	5.0	*
20. NW 256W	*	1153.0	1255.0	5.0	*
21. NW MIDW	*	921.0	1246.0	5.0	*
22. NW MIDW	*	704.0	1239.0	5.0	*

1

JOB: S13 MD410&amp;295SB EXPM

RUN: S13 MD410&amp;295SB EXPM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.7	.4	.4	.5	.5	1.0	.5	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.7	.7	.6	.5	.7	.7	1.1	.5	.4	.4	.4	.2	.1	.1	.0	.0	.0	.0	.0
10.	*	.7	.8	.5	.6	.7	.7	1.3	.6	.4	.4	.4	.3	.1	.1	.1	.0	.1	.0	.0
15.	*	1.0	.9	.8	.7	.6	.8	1.3	.7	.4	.4	.4	.5	.2	.2	.1	.1	.1	.1	.0
20.	*	.9	.9	.8	.7	.7	.9	1.3	.9	.5	.4	.4	.7	.4	.3	.2	.1	.1	.2	.1
25.	*	1.0	.9	.8	.8	.8	.8	1.4	.9	.5	.4	.4	.7	.5	.4	.3	.2	.2	.2	.1
30.	*	1.1	.8	.8	.9	.8	.9	1.3	1.0	.6	.4	.4	.9	.4	.4	.4	.3	.3	.3	.2
35.	*	.9	.9	.8	.8	.8	.9	1.3	1.2	.6	.5	.5	1.1	.5	.4	.4	.3	.4	.3	.2
40.	*	1.0	.9	.8	.8	.7	.8	1.3	1.2	.7	.6	.5	1.1	.6	.5	.5	.5	.4	.2	.2
45.	*	1.1	.9	.8	.9	.7	.9	1.4	1.2	.6	.6	.5	1.1	.5	.5	.5	.5	.3	.3	.2
50.	*	1.0	.8	.8	.7	.7	.9	1.4	1.5	.7	.7	.6	1.1	.5	.4	.6	.5	.5	.3	.2
55.	*	1.0	.8	.8	.7	.7	.8	1.3	1.5	.9	.6	.5	1.1	.5	.4	.6	.5	.5	.6	.2
60.	*	1.0	.8	.8	.6	.7	.9	1.1	1.6	1.1	.6	.5	1.1	.5	.4	.5	.6	.4	.5	.4
65.	*	1.0	.7	.8	.6	.7	1.0	1.1	1.5	1.2	.6	.7	1.0	.5	.4	.4	.6	.4	.5	.4
70.	*	1.0	.7	.5	.5	.7	.8	1.0	1.5	.9	.8	.6	1.1	.5	.4	.5	.6	.5	.6	.5
75.	*	.9	.7	.5	.6	.7	.8	.9	1.2	1.0	.7	.6	1.0	.5	.4	.5	.6	.5	.8	.6
80.	*	.9	.7	.5	.6	.7	.8	.9	1.0	1.0	.6	.7	1.1	.6	.5	.5	.6	.5	.7	.6
85.	*	.7	.5	.5	.6	.7	.8	.7	.9	.9	.7	.7	1.1	.6	.5	.5	.5	.5	.9	.7
90.	*	.7	.5	.5	.6	.8	.8	.7	.8	.9	.5	.5	1.2	.8	.5	.5	.6	.5	1.0	.9
95.	*	.6	.5	.5	.6	.8	.8	.6	.7	.6	.4	.4	1.1	.8	.5	.5	.6	.5	1.1	1.2
100.	*	.5	.5	.5	.6	.7	.8	.4	.4	.5	.3	.3	1.4	1.0	.5	.5	.5	.5	1.0	1.1
105.	*	.5	.5	.5	.6	.7	.8	.3	.3	.4	.3	.2	1.3	1.2	.6	.5	.5	.5	1.1	1.2
110.	*	.5	.5	.5	.6	.7	.7	.4	.3	.3	.2	.2	1.2	1.4	.6	.5	.6	.5	1.1	1.2
115.	*	.5	.5	.6	.6	.7	.7	.4	.3	.3	.1	.2	1.1	1.5	.6	.6	.6	.5	1.0	1.2
120.	*	.5	.6	.6	.6	.7	.7	.4	.3	.3	.1	.1	1.1	1.5	.8	.6	.5	.5	1.1	1.1
125.	*	.5	.6	.6	.6	.7	.7	.4	.3	.3	.1	.0	1.0	1.6	.7	.6	.6	.5	1.1	.9
130.	*	.6	.6	.6	.6	.7	.8	.4	.3	.2	.1	.0	1.0	1.6	.7	.6	.5	.5	1.0	.9
135.	*	.6	.6	.6	.6	.7	.7	.4	.2	.2	.1	.0	.9	1.6	.9	.5	.6	.5	1.1	.8
140.	*	.6	.6	.6	.6	.8	.7	.4	.2	.1	.0	.0	.8	1.5	.9	.6	.6	.5	1.1	.7
145.	*	.6	.6	.6	.6	.7	.7	.3	.2	.1	.0	.0	.9	1.5	1.0	.5	.6	.6	1.1	.9
150.	*	.5	.6	.6	.7	.6	.7	.3	.2	.2	.0	.0	1.0	1.4	1.1	.5	.6	.5	1.0	.9
155.	*	.4	.6	.6	.6	.6	.7	.2	.2	.2	.0	.0	.8	1.1	1.1	.7	.7	.7	.9	.7
160.	*	.5	.5	.6	.5	.6	.6	.3	.2	.1	.0	.0	.7	.9	.7	.5	.6	.6	1.1	.7
165.	*	.5	.5	.5	.4	.5	.6	.2	.2	.0	.0	.0	.8	.7	.7	.5	.7	.7	1.0	.7
170.	*	.4	.4	.5	.3	.4	.5	.2	.0	.0	.0	.0	.8	.8	.7	.3	.5	.7	1.1	.6
175.	*	.3	.3	.2	.3	.4	.4	.0	.0	.0	.0	.0	.7	.5	.7	.3	.5	.7	.9	.5
180.	*	.3	.3	.2	.2	.2	.3	.0	.0	.0	.0	.0	.7	.5	.4	.4	.4	.5	.9	.5
185.	*	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	.4	.4	.4	.3	.3	.8	.5
190.	*	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.7	.5	.4	.2	.1	.3	.7	.4
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.0	.1	.7	.4
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.0	.0	.7	.4
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.0	.0	.7	.5	.4

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JOB: S13 MD410&amp;295SB EXPM

RUN: S13 MD410&amp;295SB EXPM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.2	.0	.0	.7	.5	.5
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.1	.0	.6	.5	.5
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.1	.0	.6	.5	.5
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.2	.0	.0	.7	.6	.5
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.2	.0	.0	.6	.6	.6
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.2	.2	.0	.0	.7	.7	.6
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.2	.0	.0	.7	.7	.7
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.8	.3	.2	.1	.0	.0	.7	.7	.7
250.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.8	.3	.2	.1	.0	.0	.7	.7	.7
255.	*	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.6	.3	.1	.0	.0	.0	.8	.7	.6
260.	*	.1	.0	.0	.0	.0	.0	.3	.1	.2	.2	.6	.2	.1	.0	.0	.0	.6	.6	.6
265.	*	.4	.0	.0	.0	.0	.0	.3	.3	.3	.3	.2	.5	.1	.0	.0	.0	.6	.6	.5
270.	*	.4	.2	.0	.0	.0	.0	.5	.4	.4	.4	.2	.4	.1	.0	.0	.0	.5	.5	.4
275.	*	.7	.2	.0	.0	.0	.0	.6	.5	.5	.4	.3	.2	.0	.0	.0	.0	.3	.3	.2
280.	*	.8	.2	.2	.0	.0	.0	.7	.5	.6	.5	.4	.1	.0	.0	.0	.0	.2	.2	.1
285.	*	.9	.2	.2	.0	.0	.0	.8	.5	.6	.6	.4	.1	.0	.0	.0	.0	.1	.1	.1
290.	*	.9	.3	.2	.2	.0	.0	.8	.5	.5	.5	.4	.0	.0	.0	.0	.0	.1	.1	.1

295.	*	1.0	.3	.2	.2	.0	.0	.9	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.9	.3	.2	.2	.0	.0	1.0	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.9	.4	.2	.2	.0	.0	1.0	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.9	.4	.2	.2	.0	.0	1.1	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.8	.4	.3	.2	.0	.0	1.0	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.8	.4	.3	.2	.0	.0	1.0	.4	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.7	.4	.3	.3	.0	.0	1.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.7	.4	.3	.3	.0	.0	1.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.6	.4	.3	.3	.0	.0	1.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.6	.4	.3	.3	.0	.0	1.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.6	.3	.3	.2	.0	.1	1.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.6	.4	.3	.3	.1	.2	1.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.4	.5	.3	.2	.3	.4	1.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.6	.7	.4	.4	.5	.5	1.0	.5	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	1.1	.9	.8	.9	.8	1.0	1.4	1.6	1.2	.8	.7	1.4	1.6	1.1	.7	.7	.7	1.1	1.2
DEGR.	*	30	35	15	45	25	65	45	60	65	70	65	100	125	150	155	155	155	95	105

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JOB: S13 MD410&295SB EXPM

RUN: S13 MD410&295SB EXPM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.1	.0
40.	*	.1	.0
45.	*	.1	.1
50.	*	.1	.1
55.	*	.2	.1
60.	*	.1	.1
65.	*	.1	.1
70.	*	.2	.2
75.	*	.2	.2
80.	*	.4	.2
85.	*	.5	.5
90.	*	.7	.6
95.	*	.8	.6
100.	*	.8	.7
105.	*	.8	.8
110.	*	.8	.8
115.	*	.8	.7
120.	*	.7	.7
125.	*	.7	.7
130.	*	.6	.6
135.	*	.6	.5
140.	*	.6	.5
145.	*	.5	.4
150.	*	.4	.4
155.	*	.4	.4
160.	*	.4	.4
165.	*	.4	.4
170.	*	.4	.4
175.	*	.4	.4
180.	*	.4	.4
185.	*	.4	.4
190.	*	.4	.4
195.	*	.4	.4
200.	*	.4	.4
205.	*	.4	.4

1

JOB: S13 MD410&295SB EXPM

RUN: S13 MD410&295SB EXPM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

210.	*	.5	.4
215.	*	.5	.5
220.	*	.5	.5
225.	*	.5	.5
230.	*	.6	.5
235.	*	.6	.5
240.	*	.7	.5



245.	*	.7	.5
250.	*	.6	.5
255.	*	.6	.5
260.	*	.5	.4
265.	*	.5	.3
270.	*	.3	.2
275.	*	.2	.1
280.	*	.1	.1
285.	*	.1	.1
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0
-----*			
MAX	*	.8	.8
DEGR.	*	95	105

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 60 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 125 DEGREES FROM REC13.  
 THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 45 DEGREES FROM REC7 .

S13 MD410&295SB NB15AM			60.0321.0.0000.000220.30480000	1	1						
SW COR		1408.	1141.	5.0							
SW 82S		1416.	1076.	5.0							
SW 164S		1419.	994.	5.0							
SW 256S		1429.	913.	5.0							
SW MIDS		1476.	608.	5.0							
SW MIDS		1492.	436.	5.0							
SW 82W		1342.	1146.	5.0							
SW 164W		1261.	1143.	5.0							
SW 256W		1176.	1143.	5.0							
SW MIDW		896.	1135.	5.0							
SW MIDW		612.	1127.	5.0							
NW COR		1385.	1266.	5.0							
NW 82N		1388.	1334.	5.0							
NW 164N		1388.	1417.	5.0							
NW 256N		1391.	1497.	5.0							
NW MIDN		1456.	1792.	5.0							
NW MIDN		1498.	1910.	5.0							
NW 82W		1315.	1259.	5.0							
NW 164W		1235.	1256.	5.0							
NW 256W		1153.	1255.	5.0							
NW MIDW		921.	1246.	5.0							
NW MIDW		704.	1239.	5.0							
S13 MD410&295SB NB15AM			44	1	0						
1											
EB	410SR	AG	1424.	1185.	426.	1149.	1360	3.6	0.	56	25
2											
EB	410SR	AG	1382.	1184.	1049.	1171.		0.	36	3	
90	42		2.0	1360	37.8	1667	1	3			
1											
EB	410NR	AG	1978.	1203.	1427.	1193.	1280	3.6	0.	56	25
2											
EB	410NR	AG	1925.	1202.	1741.	1199.		0.	36	3	
90	18		2.0	1280	37.8	1770	1	3			
1											
EBDP	410NR	AG	2842.	1738.	2512.	1380.	1065	3.6	0.	44	25
1											
EBDP	410NR	AG	2512.	1380.	2360.	1282.	1065	3.6	0.	44	25
1											
EBDP	410NR	AG	2360.	1282.	2239.	1232.	1065	3.6	0.	44	25
1											
EBDP	410NR	AG	2239.	1232.	2111.	1204.	1065	3.6	0.	44	25
1											
EBDP	410NR	AG	2111.	1204.	1974.	1193.	1065	3.6	0.	44	25
1											
WB	410NR	AG	1986.	1244.	2167.	1260.	1925	3.7	0.	68	22
2											
WB	410NR	AG	2021.	1247.	2144.	1258.		0.	48	4	
90	39		2.0	1925	37.8	1667	1	3			
1											
WB	410NR	AG	2167.	1260.	2371.	1329.	1925	3.7	0.	68	22
1											
WB	410NR	AG	2371.	1329.	2507.	1424.	1925	3.7	0.	56	22
1											
WB	410NR	AG	2508.	1423.	2596.	1498.	1925	3.7	0.	44	22
1											
WB	410NR	AG	2596.	1498.	2828.	1760.	1925	3.7	0.	44	22
1											
WB	410SR	AG	1425.	1230.	1985.	1240.	1975	3.7	0.	56	21
2											
WB	410SR	AG	1465.	1231.	1654.	1234.		0.	36	3	
90	24		2.0	1975	37.8	1770	1	3			
1											
WBDP	410SR	AG	425.	1195.	1422.	1234.	1975	3.7	0.	44	22
1											
SB	410SR	AG	1427.	1213.	1423.	1441.	370	3.5	0.	56	35
2											
SB	410SR	AG	1426.	1279.	1424.	1396.		0.	36	3	
90	64		2.0	370	37.8	1672	1	3			
1											
SB	410SR	AG	1423.	1441.	1436.	1576.	370	3.5	0.	56	35
1											
SB	410SR	AG	1438.	1577.	1506.	1865.	370	3.5	0.	44	35
1											
SB	410SR	AG	1506.	1865.	1636.	2194.	370	3.5	0.	12	35
1											
SBDP	410SR	AG	1509.	217.	1516.	423.	450	3.5	0.	32	35
1											
SBDP	410SR	AG	1516.	423.	1494.	658.	450	3.5	0.	32	35
1											
SBDP	410SR	AG	1494.	658.	1443.	935.	450	3.5	0.	32	35
1											
SBDP	410SR	AG	1443.	935.	1429.	1211.	450	3.5	0.	32	35
1											
SB	I295	AG	1535.	222.	1561.	511.	4150	4.6	0.	44	61
1											
SB	I295	AG	1562.	512.	1548.	1370.	4150	4.6	0.	44	58
1											
SB	I295	AG	1549.	1371.	1571.	1711.	4150	4.6	0.	44	58
1											
SB	I295	AG	1571.	1711.	1663.	2184.	4150	4.6	0.	44	58
1											
NB	295NR	AG	1970.	1229.	1959.	1008.	385	3.5	0.	56	35
2											
NB	410NR	AG	1967.	1160.	1960.	1019.		0.	36	3	

[illegible]

JOB: S13 MD410&295SB NB15AM  
 DATE: 09/24/2007 TIME: 22:18:58.20

RUN: S13 MD410&295SB NB15AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EB	410SR	*	1424.0	1185.0	426.0	1149.0	*	999.	268. AG	1360.	3.6	.0	56.0	
2. EB	410SR	*	1382.0	1184.0	1278.0	1179.9	*	104.	268. AG	142.	100.0	.0	36.0	.56 5.3
3. EB	410NR	*	1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1280.	3.6	.0	56.0	
4. EB	410NR	*	1925.0	1202.0	1883.1	1201.3	*	42.	269. AG	61.	100.0	.0	36.0	.32 2.1
5. EBDP	410NR	*	2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	1065.	3.6	.0	44.0	
6. EBDP	410NR	*	2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	1065.	3.6	.0	44.0	
7. EBDP	410NR	*	2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	1065.	3.6	.0	44.0	
8. EBDP	410NR	*	2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	1065.	3.6	.0	44.0	
9. EBDP	410NR	*	2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	1065.	3.6	.0	44.0	
10. WB	410NR	*	1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	1925.	3.7	.0	68.0	
11. WB	410NR	*	2021.0	1247.0	2123.2	1256.1	*	103.	85. AG	176.	100.0	.0	48.0	.55 5.2
12. WB	410NR	*	2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	1925.	3.7	.0	68.0	
13. WB	410NR	*	2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	1925.	3.7	.0	56.0	
14. WB	410NR	*	2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	1925.	3.7	.0	44.0	
15. WB	410NR	*	2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	1925.	3.7	.0	44.0	
16. WB	410SR	*	1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	1975.	3.7	.0	56.0	
17. WB	410SR	*	1465.0	1231.0	1551.3	1232.4	*	86.	89. AG	81.	100.0	.0	36.0	.54 4.4
18. WBDP	410SR	*	425.0	1195.0	1422.0	1234.0	*	998.	88. AG	1975.	3.7	.0	44.0	
19. SB	410SR	*	1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	370.	3.5	.0	56.0	
20. SB	410SR	*	1426.0	1279.0	1425.3	1322.0	*	43.	359. AG	216.	100.0	.0	36.0	.30 2.2
21. SB	410SR	*	1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	370.	3.5	.0	56.0	
22. SB	410SR	*	1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	370.	3.5	.0	44.0	
23. SB	410SR	*	1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	370.	3.5	.0	12.0	
24. SBDP	410SR	*	1509.0	217.0	1516.0	423.0	*	206.	2. AG	450.	3.5	.0	32.0	
25. SBDP	410SR	*	1516.0	423.0	1494.0	658.0	*	236.	355. AG	450.	3.5	.0	32.0	
26. SBDP	410SR	*	1494.0	658.0	1443.0	935.0	*	282.	350. AG	450.	3.5	.0	32.0	
27. SBDP	410SR	*	1443.0	935.0	1429.0	1211.0	*	276.	357. AG	450.	3.5	.0	32.0	
28. SB	I295	*	1535.0	222.0	1561.0	511.0	*	290.	5. AG	4150.	4.6	.0	44.0	
29. SB	I295	*	1562.0	512.0	1548.0	1370.0	*	858.	359. AG	4150.	4.6	.0	44.0	
30. SB	I295	*	1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	4150.	4.6	.0	44.0	
31. SB	I295	*	1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	4150.	4.6	.0	44.0	
32. NB	295NR	*	1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	385.	3.5	.0	56.0	
33. NB	410NR	*	1967.0	1160.0	1964.5	1110.4	*	50.	183. AG	240.	100.0	.0	36.0	.46 2.5
34. NB	295NR	*	1959.0	1008.0	1926.0	828.0	*	183.	190. AG	385.	3.5	.0	56.0	
35. NBALL	295NR	*	1927.0	825.0	1864.0	545.0	*	287.	193. AG	385.	3.5	.0	44.0	
36. NBALL	295NR	*	1864.0	545.0	1783.0	278.0	*	279.	197. AG	385.	3.5	.0	44.0	
37. NBDP	295NR	*	1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	550.	3.5	.0	32.0	
38. NBDP	295NR	*	1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	550.	3.5	.0	32.0	
39. NBDP	295NR	*	1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	550.	3.5	.0	32.0	
40. NBDP	295NR	*	1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	550.	3.5	.0	32.0	
41. NB	I295	*	1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	2750.	5.3	.0	44.0	
42. NB	I295	*	1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	2750.	5.3	.0	44.0	
43. NB	I295	*	1834.0	1289.0	1787.0	597.0	*	694.	184. AG	2750.	5.3	.0	44.0	
44. NB	I295	*	1787.0	597.0	1731.0	261.0	*	341.	189. AG	2750.	5.3	.0	44.0	

JOB: S13 MD410&295SB NB15AM  
 DATE: 09/24/2007 TIME: 22:18:58.20

RUN: S13 MD410&295SB NB15AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EB	410SR	*	90	42	2.0	1360	1667	37.80	1	3
4. EB	410NR	*	90	18	2.0	1280	1770	37.80	1	3
11. WB	410NR	*	90	39	2.0	1925	1667	37.80	1	3
17. WB	410SR	*	90	24	2.0	1975	1770	37.80	1	3
20. SB	410SR	*	90	64	2.0	370	1672	37.80	1	3
33. NB	410NR	*	90	71	2.0	385	1672	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SW COR		*	1408.0	1141.0	5.0	*
2. SW 82S		*	1416.0	1076.0	5.0	*
3. SW 164S		*	1419.0	994.0	5.0	*
4. SW 256S		*	1429.0	913.0	5.0	*
5. SW MIDS		*	1476.0	608.0	5.0	*
6. SW MIDS		*	1492.0	436.0	5.0	*
7. SW 82W		*	1342.0	1146.0	5.0	*
8. SW 164W		*	1261.0	1143.0	5.0	*
9. SW 256W		*	1176.0	1143.0	5.0	*
10. SW MIDW		*	896.0	1135.0	5.0	*
11. SW MIDW		*	612.0	1127.0	5.0	*
12. NW COR		*	1385.0	1266.0	5.0	*

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RUN: S13 MD410&295SB NB15AM

PAGE 3

.....

WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

1

RUN: S13 MD410&295SB NB15AM

PAGE 4

ANGLE \* (PPM)

[illegible]

295.	*	.6	.2	.2	.0	.0	.0	.5	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.6	.3	.2	.0	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.6	.3	.2	.0	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.5	.3	.2	.0	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.4	.3	.2	.0	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.4	.3	.2	.0	.0	.0	.7	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.4	.3	.2	.0	.0	.0	.6	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.4	.3	.2	.0	.0	.0	.6	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.3	.3	.2	.0	.0	.0	.6	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.3	.3	.2	.0	.0	.0	.6	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.3	.3	.1	.0	.0	.1	.6	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.2	.3	.1	.0	.1	.1	.6	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.3	.1	.0	.1	.1	.2	.6	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.3	.0	.1	.1	.2	.3	.6	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
-----																				
MAX	*	.7	.6	.5	.4	.6	.7	.9	.8	.6	.4	.5	.8	1.0	.5	.4	.4	.5	.8	.7
DEGR.	*	20	20	20	15	125	35	40	50	70	80	70	95	125	140	50	115	165	125	110

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JOB: S13 MD410&295SB NB15AM

RUN: S13 MD410&295SB NB15AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.0	.0
45.	*	.0	.0
50.	*	.0	.0
55.	*	.0	.0
60.	*	.0	.0
65.	*	.1	.0
70.	*	.1	.0
75.	*	.1	.1
80.	*	.1	.1
85.	*	.3	.2
90.	*	.3	.3
95.	*	.5	.5
100.	*	.5	.5
105.	*	.5	.5
110.	*	.5	.5
115.	*	.5	.5
120.	*	.5	.5
125.	*	.5	.4
130.	*	.5	.3
135.	*	.4	.3
140.	*	.3	.3
145.	*	.3	.3
150.	*	.3	.3
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.3
175.	*	.3	.3
180.	*	.3	.3
185.	*	.3	.3
190.	*	.3	.3
195.	*	.3	.3
200.	*	.3	.3
205.	*	.3	.3

1

JOB: S13 MD410&295SB NB15AM

RUN: S13 MD410&295SB NB15AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

210.	*	.3	.3
215.	*	.3	.3
220.	*	.3	.3
225.	*	.3	.3
230.	*	.4	.4
235.	*	.4	.4
240.	*	.4	.4

245.	*	.4	.4
250.	*	.4	.4
255.	*	.4	.4
260.	*	.4	.2
265.	*	.2	.2
270.	*	.2	.1
275.	*	.1	.1
280.	*	.1	.1
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0
-----*			
MAX	*	.5	.5
DEGR.	*	95	95

THE HIGHEST CONCENTRATION IS     1.00 PPM AT   125 DEGREES FROM REC13.

THE 2ND HIGHEST CONCENTRATION IS     .90 PPM AT   40 DEGREES FROM REC7 .

THE 3RD HIGHEST CONCENTRATION IS     .80 PPM AT   50 DEGREES FROM REC8 .

S13 MD410&295SB NB15PM			60.0321.0.0000.000220.30480000	1	1						
SW COR		1408.	1141.	5.0							
SW 82S		1416.	1076.	5.0							
SW 164S		1419.	994.	5.0							
SW 256S		1429.	913.	5.0							
SW MIDS		1476.	608.	5.0							
SW MIDS		1492.	436.	5.0							
SW 82W		1342.	1146.	5.0							
SW 164W		1261.	1143.	5.0							
SW 256W		1176.	1143.	5.0							
SW MIDW		896.	1135.	5.0							
SW MIDW		612.	1127.	5.0							
NW COR		1385.	1266.	5.0							
NW 82N		1388.	1334.	5.0							
NW 164N		1388.	1417.	5.0							
NW 256N		1391.	1497.	5.0							
NW MIDN		1456.	1792.	5.0							
NW MIDN		1498.	1910.	5.0							
NW 82W		1315.	1259.	5.0							
NW 164W		1235.	1256.	5.0							
NW 256W		1153.	1255.	5.0							
NW MIDW		921.	1246.	5.0							
NW MIDW		704.	1239.	5.0							
S13 MD410&295SB NB15PM			44	1	0						
1											
EB	410SR	AG	1424.	1185.	426.	1149.	2115	3.6	0.	56	24
2											
EB	410SR	AG	1382.	1184.	1049.	1171.		0.	36	3	
90	45		2.0	2115	37.8	1667	1	3			
1											
EB	410NR	AG	1978.	1203.	1427.	1193.	1965	3.6	0.	56	25
2											
EB	410NR	AG	1925.	1202.	1741.	1199.		0.	36	3	
90	22		2.0	1965	37.8	1770	1	3			
1											
EBDP	410NR	AG	2842.	1738.	2512.	1380.	2030	3.6	0.	44	25
1											
EBDP	410NR	AG	2512.	1380.	2360.	1282.	2030	3.6	0.	44	25
1											
EBDP	410NR	AG	2360.	1282.	2239.	1232.	2030	3.6	0.	44	25
1											
EBDP	410NR	AG	2239.	1232.	2111.	1204.	2030	3.6	0.	44	25
1											
EBDP	410NR	AG	2111.	1204.	1974.	1193.	2030	3.6	0.	44	25
1											
WB	410NR	AG	1986.	1244.	2167.	1260.	1780	3.8	0.	68	22
2											
WB	410NR	AG	2021.	1247.	2144.	1258.		0.	48	4	
90	35		2.0	1780	37.8	1667	1	3			
1											
WB	410NR	AG	2167.	1260.	2371.	1329.	1780	3.8	0.	68	22
1											
WB	410NR	AG	2371.	1329.	2507.	1424.	1780	3.8	0.	56	22
1											
WB	410NR	AG	2508.	1423.	2596.	1498.	1780	3.8	0.	44	22
1											
WB	410NR	AG	2596.	1498.	2828.	1760.	1780	3.8	0.	44	22
1											
WB	410SR	AG	1425.	1230.	1985.	1240.	1965	3.8	0.	56	21
2											
WB	410SR	AG	1465.	1231.	1654.	1234.		0.	36	3	
90	27		2.0	1965	37.8	1770	1	3			
1											
WBDP	410SR	AG	425.	1195.	1422.	1234.	2010	3.8	0.	44	22
1											
SB	410SR	AG	1427.	1213.	1423.	1441.	550	3.5	0.	56	35
2											
SB	410SR	AG	1426.	1279.	1424.	1396.		0.	36	3	
90	62		2.0	550	37.8	1672	1	3			
1											
SB	410SR	AG	1423.	1441.	1436.	1576.	550	3.5	0.	56	35
1											
SB	410SR	AG	1438.	1577.	1506.	1865.	550	3.5	0.	44	35
1											
SB	410SR	AG	1506.	1865.	1636.	2194.	550	3.5	0.	12	35
1											
SBDP	410SR	AG	1509.	217.	1516.	423.	650	3.5	0.	32	35
1											
SBDP	410SR	AG	1516.	423.	1494.	658.	650	3.5	0.	32	35
1											
SBDP	410SR	AG	1494.	658.	1443.	935.	650	3.5	0.	32	35
1											
SBDP	410SR	AG	1443.	935.	1429.	1211.	650	3.5	0.	32	35
1											
SB	I295	AG	1535.	222.	1561.	511.	4000	4.8	0.	44	54
1											
SB	I295	AG	1562.	512.	1548.	1370.	4000	4.8	0.	44	58
1											
SB	I295	AG	1549.	1371.	1571.	1711.	4000	4.8	0.	44	58
1											
SB	I295	AG	1571.	1711.	1663.	2184.	4000	4.8	0.	44	58
1											
NB	295NR	AG	1970.	1229.	1959.	1008.	575	3.5	0.	56	35
2											
NB	410NR	AG	1967.	1160.	1960.	1019.		0.	36	3	



[illegible]

JOB: S13 MD410&295SB NB15PM  
DATE: 09/24/2007 TIME: 22:19:46.64

RUN: S13 MD410&295SB NB15PM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
			X1	Y1	X2	Y2								
1.	EB	410SR	* 1424.0	1185.0	426.0	1149.0	*	999.	268. AG	2115.	3.6	.0	56.0	
2.	EB	410SR	* 1382.0	1184.0	1151.2	1175.0	*	231.	268. AG	152.	100.0	.0	36.0	.93 11.7
3.	EB	410NR	* 1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1965.	3.6	.0	56.0	
4.	EB	410NR	* 1925.0	1202.0	1846.2	1200.7	*	79.	269. AG	74.	100.0	.0	36.0	.52 4.0
5.	EBDP	410NR	* 2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	2030.	3.6	.0	44.0	
6.	EBDP	410NR	* 2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	2030.	3.6	.0	44.0	
7.	EBDP	410NR	* 2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	2030.	3.6	.0	44.0	
8.	EBDP	410NR	* 2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	2030.	3.6	.0	44.0	
9.	EBDP	410NR	* 2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	2030.	3.6	.0	44.0	
10.	WB	410NR	* 1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	1780.	3.8	.0	68.0	
11.	WB	410NR	* 2021.0	1247.0	2105.8	1254.6	*	85.	85. AG	158.	100.0	.0	48.0	.47 4.3
12.	WB	410NR	* 2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	1780.	3.8	.0	68.0	
13.	WB	410NR	* 2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	1780.	3.8	.0	56.0	
14.	WB	410NR	* 2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	1780.	3.8	.0	44.0	
15.	WB	410NR	* 2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	1780.	3.8	.0	44.0	
16.	WB	410SR	* 1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	1965.	3.8	.0	56.0	
17.	WB	410SR	* 1465.0	1231.0	1561.7	1232.5	*	97.	89. AG	91.	100.0	.0	36.0	.56 4.9
18.	WB	410SR	* 425.0	1195.0	1422.0	1234.0	*	998.	88. AG	2010.	3.8	.0	44.0	
19.	SB	410SR	* 1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	550.	3.5	.0	56.0	
20.	SB	410SR	* 1426.0	1279.0	1424.9	1341.0	*	62.	359. AG	210.	100.0	.0	36.0	.41 3.2
21.	SB	410SR	* 1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	550.	3.5	.0	56.0	
22.	SB	410SR	* 1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	550.	3.5	.0	44.0	
23.	SB	410SR	* 1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	550.	3.5	.0	12.0	
24.	SBDP	410SR	* 1509.0	217.0	1516.0	423.0	*	206.	2. AG	650.	3.5	.0	32.0	
25.	SBDP	410SR	* 1516.0	423.0	1494.0	658.0	*	236.	355. AG	650.	3.5	.0	32.0	
26.	SBDP	410SR	* 1494.0	658.0	1443.0	935.0	*	282.	350. AG	650.	3.5	.0	32.0	
27.	SBDP	410SR	* 1443.0	935.0	1429.0	1211.0	*	276.	357. AG	650.	3.5	.0	32.0	
28.	SB	I295	* 1535.0	222.0	1561.0	511.0	*	290.	5. AG	4000.	4.8	.0	44.0	
29.	SB	I295	* 1562.0	512.0	1548.0	1370.0	*	858.	359. AG	4000.	4.8	.0	44.0	
30.	SB	I295	* 1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	4000.	4.8	.0	44.0	
31.	SB	I295	* 1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	4000.	4.8	.0	44.0	
32.	NB	295NR	* 1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	575.	3.5	.0	56.0	
33.	NB	410NR	* 1967.0	1160.0	1963.5	1090.1	*	70.	183. AG	226.	100.0	.0	36.0	.54 3.6
34.	NB	295NR	* 1959.0	1008.0	1926.0	828.0	*	183.	190. AG	575.	3.5	.0	56.0	
35.	NBALL	295NR	* 1927.0	825.0	1864.0	545.0	*	287.	193. AG	575.	3.5	.0	44.0	
36.	NBALL	295NR	* 1864.0	545.0	1783.0	278.0	*	279.	197. AG	575.	3.5	.0	44.0	
37.	NBDP	295NR	* 1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	325.	3.5	.0	32.0	
38.	NBDP	295NR	* 1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	325.	3.5	.0	32.0	
39.	NBDP	295NR	* 1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	325.	3.5	.0	32.0	
40.	NBDP	295NR	* 1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	325.	3.5	.0	32.0	
41.	NB	I295	* 1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	4350.	4.3	.0	44.0	
42.	NB	I295	* 1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	4350.	4.3	.0	44.0	
43.	NB	I295	* 1834.0	1289.0	1787.0	597.0	*	694.	184. AG	4350.	4.3	.0	44.0	
44.	NB	I295	* 1787.0	597.0	1731.0	261.0	*	341.	189. AG	4350.	4.3	.0	44.0	

JOB: S13 MD410&295SB NB15PM  
DATE: 09/24/2007 TIME: 22:19:46.64

RUN: S13 MD410&295SB NB15PM

ADDITIONAL QUEUE LINK PARAMETERS

	LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2.	EB	410SR	* 90	45	2.0	2115	1667	37.80	1	3
4.	EB	410NR	* 90	22	2.0	1965	1770	37.80	1	3
11.	WB	410NR	* 90	35	2.0	1780	1667	37.80	1	3
17.	WB	410SR	* 90	27	2.0	1965	1770	37.80	1	3
20.	SB	410SR	* 90	62	2.0	550	1672	37.80	1	3
33.	NB	410NR	* 90	67	2.0	575	1672	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1.	SW COR	* 1408.0	1141.0	5.0	*
2.	SW 82S	* 1416.0	1076.0	5.0	*
3.	SW 164S	* 1419.0	994.0	5.0	*
4.	SW 256S	* 1429.0	913.0	5.0	*
5.	SW MIDS	* 1476.0	608.0	5.0	*
6.	SW MIDS	* 1492.0	436.0	5.0	*
7.	SW 82W	* 1342.0	1146.0	5.0	*
8.	SW 164W	* 1261.0	1143.0	5.0	*
9.	SW 256W	* 1176.0	1143.0	5.0	*
10.	SW MIDW	* 896.0	1135.0	5.0	*
11.	SW MIDW	* 612.0	1127.0	5.0	*
12.	NW COR	* 1385.0	1266.0	5.0	*

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PAGE 3

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WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

1

PAGE 4

ANGLE \* (PPM)

[illegible]

295.	*	.8	.3	.2	.1	.0	.0	.8	.8	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.8	.4	.3	.2	.0	.0	.8	.8	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.6	.4	.3	.2	.0	.0	.8	.8	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.6	.4	.3	.2	.0	.0	.8	.8	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.6	.4	.3	.3	.0	.0	.7	.7	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.5	.4	.3	.2	.0	.0	.7	.7	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.5	.4	.3	.2	.0	.0	.7	.7	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.5	.3	.3	.2	.0	.0	.7	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.4	.3	.3	.2	.0	.0	.7	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.4	.3	.3	.2	.0	.0	.7	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.3	.2	.1	.0	.1	.7	.7	.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.4	.3	.2	.1	.1	.1	.7	.7	.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.4	.4	.1	.1	.2	.3	.7	.7	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.4	.3	.1	.1	.3	.4	.7	.7	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.8	.8	.6	.7	.6	.7	1.0	1.2	1.1	.6	.6	.9	1.2	.8	.5	.5	.5	.9	.9
DEGR.	*	20	35	20	35	25	35	15	50	75	70	65	90	120	150	50	115	165	115	105

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JOB: S13 MD410&295SB NB15PM

RUN: S13 MD410&295SB NB15PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.0	.0
45.	*	.1	.0
50.	*	.0	.0
55.	*	.0	.0
60.	*	.0	.0
65.	*	.1	.0
70.	*	.1	.0
75.	*	.1	.1
80.	*	.1	.1
85.	*	.3	.3
90.	*	.5	.3
95.	*	.6	.5
100.	*	.6	.5
105.	*	.7	.6
110.	*	.8	.6
115.	*	.7	.6
120.	*	.6	.6
125.	*	.6	.5
130.	*	.6	.4
135.	*	.5	.3
140.	*	.3	.3
145.	*	.3	.3
150.	*	.3	.3
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.3
175.	*	.3	.3
180.	*	.3	.3
185.	*	.3	.3
190.	*	.3	.3
195.	*	.3	.3
200.	*	.3	.3
205.	*	.3	.3

1

JOB: S13 MD410&295SB NB15PM

RUN: S13 MD410&295SB NB15PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

210.	*	.3	.3
215.	*	.3	.3
220.	*	.4	.3
225.	*	.4	.4
230.	*	.5	.4
235.	*	.5	.4
240.	*	.5	.4

245.	*	.5	.4
250.	*	.4	.4
255.	*	.4	.4
260.	*	.4	.3
265.	*	.3	.2
270.	*	.2	.1
275.	*	.1	.1
280.	*	.1	.1
285.	*	.1	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0
-----*			
MAX	*	.8	.6
DEGR.	*	110	105

THE HIGHEST CONCENTRATION IS    1.20 PPM AT    50 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS    1.20 PPM AT    120 DEGREES FROM REC13.  
 THE 3RD HIGHEST CONCENTRATION IS    1.10 PPM AT    75 DEGREES FROM REC9 .

S13 MD410&SB 295 LBRT AM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 LBRT AM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	25 3.7 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
110	101	2.0 25 37.8 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	1270 3.7 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
110	14	2.0 1270 37.8 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	1890 3.9 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
110	22	2.0 1890 37.8 1762 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	1975 3.9 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	1360 3.7 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
110	67	2.0 1360 37.8 1639 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	280 3.9 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
110	83	2.0 280 37.8 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1729 3.9 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
110	25	2.0 1729 37.8 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	280 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	83	2.0 280 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	90 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	83	2.0 90 37.8 1717 1 3			
1					
EBL	410&NB	AG339593.471451.339108.471438.	275 4.0 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
110	83	2.0 275 37.8 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1039 4.0 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
110	18	2.0 1039 37.8 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	1099 4.0 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	1925 3.6 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
110	59	2.0 1925 37.8 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	1925 3.6 0. 68	25	
1					
WBALL	410&NB	AG339919.471557.340113.471684.	1925 3.6 0. 68	25	

[illegible]

JOB: S13 MD410&SB 295 LBRT AM  
DATE: 10/11/2007 TIME: 16:16:12.32

RUN: S13 MD410&SB 295 LBRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	25.	3.7	.0	44.0		
2. EBL	410&64	* 338507.0	471429.0	338493.2	471428.7	*	14.	267. AG	93.	100.0	.0	12.0	.31	.7
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	1270.	3.7	.0	44.0		
4. EBT	410&64	* 338520.0	471409.0	338413.1	471406.4	*	107.	268. AG	13.	100.0	.0	12.0	.86	5.4
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	1890.	3.9	.0	44.0		
6. WBALL	410&64	* 338636.0	471455.0	338749.6	471459.1	*	114.	88. AG	41.	100.0	.0	24.0	.70	5.8
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	1975.	3.9	.0	44.0		
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	1360.	3.7	.0	56.0		
9. EBALL	410&SB	* 339046.0	471421.0	338876.2	471417.9	*	170.	269. AG	185.	100.0	.0	36.0	.78	8.6
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	280.	3.9	.0	32.0		
11. WBL	410&SB	* 339129.0	471448.0	339262.5	471451.6	*	134.	88. AG	77.	100.0	.0	12.0	.76	6.8
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1729.	3.9	.0	44.0		
13. WBT	410&SB	* 339131.0	471470.0	339249.1	471472.6	*	118.	89. AG	46.	100.0	.0	24.0	.66	6.0
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	280.	3.5	.0	32.0		
15. SBR	410&SB	* 339068.0	471501.0	339070.2	471649.5	*	149.	1. AG	77.	100.0	.0	12.0	.85	7.5
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	90.	3.5	.0	44.0		
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471520.4	*	20.	360. AG	153.	100.0	.0	24.0	.13	1.0
18. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	275.	4.0	.0	32.0		
19. EBL	410&NB	* 339573.0	471450.0	339443.2	471446.7	*	130.	269. AG	77.	100.0	.0	12.0	.74	6.6
20. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1039.	4.0	.0	44.0		
21. EBT	410&NB	* 339565.0	471437.0	339514.0	471435.6	*	51.	268. AG	33.	100.0	.0	24.0	.37	2.6
22. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	1099.	4.0	.0	44.0		
23. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	1099.	4.0	.0	44.0		
24. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	1099.	4.0	.0	44.0		
25. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	1099.	4.0	.0	44.0		
26. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	1099.	4.0	.0	44.0		
27. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	1925.	3.6	.0	68.0		
28. WBALL	410&NB	* 339607.0	471478.0	339762.2	471478.0	*	155.	90. AG	218.	100.0	.0	48.0	.68	7.9
29. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	1925.	3.6	.0	68.0		
30. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	1925.	3.6	.0	68.0		
31. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	385.	3.5	.0	56.0		
32. NBALL	410&NB	* 339569.0	471399.0	339563.7	471336.3	*	63.	185. AG	249.	100.0	.0	36.0	.53	3.2
33. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	550.	3.5	.0	32.0		
34. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	2750.	5.3	.0	44.0		
35. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	2750.	5.3	.0	44.0		
36. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4150.	4.6	.0	44.0		
37. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4150.	4.6	.0	44.0		
38. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	3.3	.0	32.0		
39. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	3.3	.0	32.0		
40. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	3.3	.0	32.0		
41. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	3.3	.0	32.0		
42. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	3.3	.0	32.0		
43. EBT	410BUS	* 339552.0	471420.0	339548.7	471419.9	*	3.	270. AG	11.	100.0	.0	12.0	.02	.2
44. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	3.3	.0	32.0		

JOB: S13 MD410&SB 295 LBRT AM  
DATE: 10/11/2007 TIME: 16:16:12.32

RUN: S13 MD410&SB 295 LBRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. EBT	410BUS	* 339044.0	471407.0	339031.5	471406.8	*	12.	270. AG	41.	100.0	.0	12.0	.06	.6
46. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	3.3	.0	32.0		
47. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	3.3	.0	32.0		
48. EBT	410BUS	* 338499.0	471389.0	338496.4	471389.0	*	3.	270. AG	9.	100.0	.0	12.0	.02	.1
49. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	2.5	.0	32.0		
50. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	2.5	.0	32.0		
51. WB	410BUS	* 338640.0	471472.0	338644.1	471472.2	*	4.	85. AG	14.	100.0	.0	12.0	.03	.2
52. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	2.5	.0	32.0		
53. WB	410BUS	* 339132.0	471491.0	339136.7	471491.0	*	5.	87. AG	15.	100.0	.0	12.0	.03	.2
54. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	2.5	.0	32.0		
55. WBALL	410BUS	* 339615.0	471492.0	339625.9	471493.2	*	11.	83. AG	36.	100.0	.0	12.0	.05	.6
56. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	2.5	.0	32.0		
57. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	2.5	.0	32.0		
58. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	2.5	.0	32.0		
59. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	450.	3.5	.0	32.0		

JOB: S13 MD410&SB 295 LBRT AM  
DATE: 10/11/2007 TIME: 16:16:12.32

RUN: S13 MD410&SB 295 LBRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		



2.	EBL	410&64	*	110	101	2.0	25	1770	37.80	1	3
4.	EBT	410&64	*	110	14	2.0	1270	1770	37.80	1	3
6.	WBALL	410&64	*	110	22	2.0	1890	1762	37.80	1	3
9.	EBALL	410&SB	*	110	67	2.0	1360	1639	37.80	1	3
11.	WBL	410&SB	*	110	83	2.0	280	1770	37.80	1	3
13.	WBT	410&SB	*	110	25	2.0	1729	1770	37.80	1	3
15.	SBR	410&SB	*	110	83	2.0	280	1583	37.80	1	3
17.	SBL	410&SB	*	110	83	2.0	90	1717	37.80	1	3
19.	EBL	410&NB	*	110	83	2.0	275	1770	37.80	1	3
21.	EBT	410&NB	*	110	18	2.0	1039	1770	37.80	1	3
28.	WBALL	410&NB	*	110	59	2.0	1925	1667	37.80	1	3
32.	NBALL	410&NB	*	110	90	2.0	385	1672	37.80	1	3
43.	EBT	410BUS	*	110	18	2.0	34	1717	25.30	1	3
45.	EBT	410BUS	*	110	67	2.0	34	1717	25.30	1	3
48.	EBT	410BUS	*	110	14	2.0	34	1717	25.30	1	3
51.	WB	410BUS	*	110	22	2.0	34	1762	25.30	1	3
53.	WB	410BUS	*	110	25	2.0	34	1770	25.30	1	3
55.	WBALL	410BUS	*	110	59	2.0	34	1667	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

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JOB: S13 MD410&SB 295 LBRT AM

RUN: S13 MD410&SB 295 LBRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	* REC1	* REC2	* REC3	* REC4	* REC5	* REC6	* REC7	* REC8	* REC9	* REC10	* REC11	* REC12	* REC13	* REC14	* REC15	* REC16	* REC17	* REC18	* REC19	* REC20
0.	* .4	.1	.1	.1	.1	.2	.9	.8	.3	.3	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0
5.	* .5	.3	.2	.2	.2	.2	.9	.8	.3	.4	.2	.4	.3	.2	.1	.0	.1	.0	.0	.0
10.	* .5	.3	.3	.3	.2	.4	.9	.9	.2	.3	.2	.5	.4	.3	.2	.1	.0	.1	.0	.0
15.	* .6	.4	.4	.4	.2	.4	.9	.8	.3	.2	.2	.5	.5	.3	.3	.1	.0	.1	.1	.0
20.	* .8	.6	.4	.5	.4	.4	1.0	.8	.3	.2	.2	.5	.5	.3	.3	.2	.1	.2	.1	.1
25.	* .8	.7	.5	.5	.3	.5	1.1	1.0	.4	.2	.2	.5	.5	.3	.3	.2	.1	.2	.1	.1
30.	* .8	.7	.6	.5	.3	.5	1.1	1.1	.5	.2	.2	.5	.5	.3	.3	.2	.1	.3	.1	.1
35.	* .8	.6	.6	.5	.3	.4	1.1	1.2	.5	.3	.2	.5	.5	.3	.3	.2	.1	.4	.1	.1
40.	* .7	.6	.5	.4	.3	.4	1.1	1.2	.7	.3	.2	.5	.5	.3	.3	.2	.2	.4	.2	.1
45.	* .7	.6	.5	.3	.3	.3	1.0	1.2	.7	.3	.2	.5	.5	.3	.3	.3	.2	.4	.2	.2
50.	* .7	.6	.6	.3	.3	.3	1.1	1.1	.8	.4	.3	.5	.5	.3	.3	.3	.2	.4	.2	.2
55.	* .6	.6	.3	.3	.3	.3	.9	1.0	.7	.4	.4	.6	.5	.3	.3	.3	.2	.4	.2	.2
60.	* .6	.6	.3	.3	.3	.3	.9	1.1	.8	.4	.4	.6	.5	.3	.3	.3	.2	.4	.2	.2
65.	* .7	.5	.3	.3	.3	.3	.9	1.0	.8	.4	.4	.6	.5	.3	.3	.3	.2	.4	.1	.1
70.	* .7	.6	.3	.3	.3	.3	.7	1.0	.9	.5	.4	.5	.5	.3	.3	.3	.3	.3	.1	.1
75.	* .7	.4	.3	.3	.3	.3	.7	1.0	.9	.5	.3	.5	.5	.3	.3	.3	.3	.3	.1	.2
80.	* .7	.4	.3	.3	.3	.3	.6	.9	.8	.5	.3	.7	.4	.3	.3	.3	.3	.4	.2	.2
85.	* .6	.4	.3	.3	.3	.3	.7	.8	.8	.3	.2	.8	.4	.3	.3	.3	.3	.4	.3	.2
90.	* .5	.4	.3	.3	.3	.3	.6	.7	.6	.2	.1	.7	.5	.2	.3	.3	.3	.5	.4	.4
95.	* .6	.4	.3	.3	.3	.3	.5	.4	.5	.3	.0	.7	.5	.2	.3	.3	.3	.5	.5	.6
100.	* .4	.4	.3	.3	.3	.3	.2	.4	.4	.1	.0	.8	.6	.3	.2	.3	.3	.5	.5	.5
105.	* .4	.4	.3	.3	.3	.3	.2	.2	.3	.1	.1	1.0	.6	.3	.2	.3	.3	.6	.7	.9
110.	* .4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	1.0	.6	.3	.3	.3	.3	.7	.7	.8
115.	* .4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	1.0	.6	.5	.3	.3	.3	.7	.7	.8
120.	* .4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	.8	.6	.5	.3	.3	.3	.6	.7	.8
125.	* .4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.1	.7	.6	.5	.3	.3	.3	.5	.7	.8
130.	* .4	.4	.4	.3	.3	.3	.3	.3	.2	.1	.0	.6	.7	.5	.3	.2	.3	.6	.7	.7
135.	* .5	.5	.4	.4	.3	.3	.3	.3	.2	.1	.0	.7	.8	.6	.3	.2	.3	.7	.8	.7
140.	* .5	.5	.5	.4	.4	.3	.2	.3	.3	.2	.1	.0	.5	.7	.3	.3	.3	.7	.8	.7
145.	* .5	.5	.5	.5	.5	.3	.3	.3	.3	.1	.0	.0	.5	.7	.7	.3	.3	.2	.8	.5

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150. * .5 .5 .5 .4 .2 .3 .3 .1 .1 .0 .0 .5 .8 .6 .4 .3 .3 .8 .7 .5
155. * .5 .5 .5 .4 .2 .2 .3 .1 .1 .0 .0 .5 .6 .6 .5 .3 .3 .8 .7 .5
160. * .5 .4 .3 .3 .2 .1 .2 .1 .1 .0 .0 .5 .6 .6 .4 .4 .3 .7 .7 .4
165. * .3 .3 .3 .3 .1 .1 .1 .1 .0 .0 .0 .5 .5 .5 .6 .4 .4 .7 .7 .3
170. * .3 .3 .3 .2 .1 .1 .1 .1 .0 .0 .0 .6 .4 .4 .5 .2 .3 .7 .6 .3
175. * .2 .2 .2 .1 .1 .0 .1 .0 .0 .0 .0 .5 .4 .3 .3 .2 .2 .7 .5 .3
180. * .2 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .5 .4 .4 .2 .1 .2 .6 .5 .3
185. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .3 .3 .3 .0 .0 .6 .5 .3
190. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .3 .1 .0 .0 .6 .5 .3
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .3 .1 .0 .0 .6 .4 .3
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .2 .2 .0 .0 .6 .4 .3
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .2 .2 .0 .0 .6 .4 .3

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JOB: S13 MD410&SB 295 LBRT AM

RUN: S13 MD410&SB 295 LBRT AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

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*-----*
210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .2 .2 .0 .0 .5 .4 .3
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .2 .1 .0 .0 .5 .3 .3
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .2 .1 .0 .0 .5 .3 .3
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .1 .0 .0 .0 .5 .3 .3
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .1 .0 .0 .0 .5 .3 .4
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .1 .0 .0 .0 .5 .4 .4
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .2 .1 .0 .0 .0 .5 .4 .4
245. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .1 .0 .0 .0 .0 .5 .4 .4
250. * .0 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0 .5 .1 .0 .0 .0 .0 .4 .4 .6
255. * .2 .0 .0 .0 .0 .0 .2 .1 .1 .0 .0 .5 .1 .0 .0 .0 .3 .4 .4
260. * .2 .0 .0 .0 .0 .0 .2 .1 .1 .0 .0 .3 .1 .0 .0 .0 .3 .3 .3
265. * .3 .0 .0 .0 .0 .0 .4 .2 .1 .1 .0 .2 .0 .0 .0 .0 .2 .3 .3
270. * .6 .0 .0 .0 .0 .0 .5 .3 .2 .2 .1 .1 .0 .0 .0 .0 .1 .2 .2
275. * .7 .0 .0 .0 .0 .0 .6 .6 .3 .2 .1 .1 .0 .0 .0 .0 .1 .1 .2
280. * .7 .1 .0 .0 .0 .0 .7 .6 .4 .2 .1 .1 .0 .0 .0 .0 .1 .1 .0
285. * .8 .2 .0 .0 .0 .0 .8 .6 .4 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
290. * .8 .3 .0 .0 .0 .0 .8 .7 .4 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
295. * .8 .3 .0 .0 .0 .0 .9 .7 .3 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
300. * .8 .4 .0 .0 .0 .0 .9 .8 .3 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
305. * .7 .4 .3 .0 .0 .0 .9 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
310. * .7 .4 .3 .0 .0 .0 .9 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
315. * .6 .4 .3 .0 .0 .0 .9 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
320. * .6 .4 .3 .1 .0 .0 .9 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
325. * .5 .4 .3 .1 .0 .0 .8 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
330. * .5 .4 .3 .1 .0 .0 .8 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
335. * .3 .4 .2 .1 .0 .0 .7 .7 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
340. * .3 .3 .2 .1 .0 .0 .7 .7 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
345. * .3 .3 .2 .1 .1 .0 .7 .8 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
350. * .3 .3 .1 .1 .0 .0 .8 .8 .3 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0
355. * .4 .4 .2 .2 .1 .1 .8 .8 .3 .3 .2 .1 .0 .0 .0 .0 .0 .0 .0
360. * .4 .1 .1 .1 .1 .2 .9 .8 .3 .3 .2 .2 .1 .0 .0 .0 .0 .0 .0

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MAX * .8 .7 .6 .5 .4 .5 1.1 1.2 .9 .5 .4 1.0 .8 .7 .6 .4 .4 .8 .8 .9
DEGR. * 20 25 30 20 20 25 50 35 70 70 55 105 135 140 165 160 165 145 135 105

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JOB: S13 MD410&SB 295 LBRT AM

RUN: S13 MD410&SB 295 LBRT AM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

```

*-----*
0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .1 .0
45. * .1 .0
50. * .1 .1
55. * .1 .1
60. * .1 .1
65. * .1 .1
70. * .1 .1
75. * .2 .2
80. * .2 .2
85. * .3 .3
90. * .5 .3
95. * .5 .4
100. * .5 .5
105. * .6 .4

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110.	*	.5	.5
115.	*	.5	.5
120.	*	.5	.5
125.	*	.5	.5
130.	*	.4	.4
135.	*	.4	.4
140.	*	.4	.4
145.	*	.3	.3
150.	*	.3	.3
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.3
175.	*	.3	.3
180.	*	.3	.3
185.	*	.3	.3
190.	*	.3	.3
195.	*	.3	.3
200.	*	.3	.3
205.	*	.3	.3

1

JOB: S13 MD410&SB 295 LBRT AM

RUN: S13 MD410&SB 295 LBRT AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.3	.3
215.	*	.3	.3
220.	*	.4	.4
225.	*	.4	.4
230.	*	.4	.4
235.	*	.4	.4
240.	*	.4	.4
245.	*	.4	.4
250.	*	.4	.4
255.	*	.4	.3
260.	*	.4	.2
265.	*	.2	.2
270.	*	.2	.1
275.	*	.1	.1
280.	*	.1	.1
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX	*	.6	.5
DEGR.	*	105	100

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 35 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 50 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 105 DEGREES FROM REC12.

S13 MD410&SB 295 LBRT PM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 LBRT PM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	90 3.9 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
100	88	2.0 90 37.8 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	2040 3.9 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
100	9	2.0 2040 37.8 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2010 4.0 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
100	20	2.0 2010 37.8 1757 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	1980 4.0 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	2115 3.9 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
100	59	2.0 2115 37.8 1695 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	305 3.9 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
100	77	2.0 305 37.8 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1694 3.9 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
100	22	2.0 1694 37.8 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	350 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
100	76	2.0 350 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	200 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
100	76	2.0 200 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	650 3.5 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	175 4.4 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
100	83	2.0 175 37.8 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1824 4.4 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
100	16	2.0 1824 37.8 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	2064 4.4 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	1780 3.6 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
100	58	2.0 1780 37.8 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	1780 3.6 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	1780	3.6	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	575	3.5	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
100		80	2.0 575 37.8 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	325	3.5	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	4350	4.3	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	4350	4.3	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4000	4.8	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4000	4.8	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	2.7	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	2.7	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	2.7	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	2.7	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	2.7	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
100		9	2.0 34 25.3 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	2.7	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
100		59	2.0 34 25.3 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	2.7	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	2.7	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
110		16	2.0 34 25.3 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	2.5	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	2.5	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
110		20	2.0 34 25.3 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	2.5	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
110		22	2.0 34 25.3 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	2.5	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		58	2.0 34 25.3 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	2.5	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	2.5	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	2.5	0.	32	25
1.0	04	1000	0Y 5 0 72					

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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	90.	3.9	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338461.0	471427.8	*	46.	268. AG	89.	100.0	.0	12.0	.64 2.3
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	2040.	3.9	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	333235.0	471276.1	*	5287.	269. AG	9.	100.0	.0	12.0	1.33 268.6
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2010.	4.0	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338745.9	471458.9	*	110.	88. AG	41.	100.0	.0	24.0	.75 5.6
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	1980.	4.0	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	2115.	3.9	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	337913.9	471400.4	*	1132.	269. AG	179.	100.0	.0	36.0	1.12 57.5
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	305.	3.9	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339296.7	471452.5	*	168.	89. AG	78.	100.0	.0	12.0	.91 8.5
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1694.	3.9	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339232.9	471472.2	*	102.	89. AG	45.	100.0	.0	24.0	.65 5.2
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	350.	3.5	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339076.5	472077.0	*	576.	1. AG	77.	100.0	.0	12.0	1.11 29.3
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	200.	3.5	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471541.6	*	42.	360. AG	154.	100.0	.0	24.0	.29 2.1
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	650.	3.5	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	175.	4.4	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339484.4	471447.8	*	89.	268. AG	84.	100.0	.0	12.0	.76 4.5
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1824.	4.4	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339485.2	471434.8	*	80.	269. AG	32.	100.0	.0	24.0	.64 4.1
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	2064.	4.4	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	2064.	4.4	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	2064.	4.4	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	2064.	4.4	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	2064.	4.4	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	1780.	3.6	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339748.1	471478.0	*	141.	90. AG	235.	100.0	.0	48.0	.70 7.2
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	1780.	3.6	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	1780.	3.6	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	575.	3.5	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339561.6	471311.0	*	88.	185. AG	243.	100.0	.0	36.0	.72 4.5
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	325.	3.5	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4350.	4.3	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4350.	4.3	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4000.	4.8	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4000.	4.8	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	2.7	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	2.7	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	2.7	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	2.7	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	2.7	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339550.3	471419.9	*	2.	265. AG	6.	100.0	.0	12.0	.02 .1

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	2.7	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339033.0	471406.8	*	11.	270. AG	40.	100.0	.0	12.0	.05 .6
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	2.7	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	2.7	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338496.0	471389.0	*	3.	268. AG	10.	100.0	.0	12.0	.02 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	2.5	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	2.5	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338643.7	471472.2	*	4.	88. AG	12.	100.0	.0	12.0	.02 .2
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	2.5	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339136.1	471491.0	*	4.	90. AG	14.	100.0	.0	12.0	.03 .2
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	2.5	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339625.7	471493.2	*	11.	84. AG	36.	100.0	.0	12.0	.05 .5
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	2.5	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	2.5	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	2.5	.0	32.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	100	88	2.0	90	1770	37.80	1	3
4.	EBT	410&64	*	100	9	2.0	2040	1770	37.80	1	3
6.	WBALL	410&64	*	100	20	2.0	2010	1757	37.80	1	3
9.	EBALL	410&SB	*	100	59	2.0	2115	1695	37.80	1	3
11.	WBL	410&SB	*	100	77	2.0	305	1770	37.80	1	3
13.	WBT	410&SB	*	100	22	2.0	1694	1770	37.80	1	3
15.	SBR	410&SB	*	100	76	2.0	350	1583	37.80	1	3
17.	SBL	410&SB	*	100	76	2.0	200	1717	37.80	1	3
20.	EBL	410&NB	*	100	83	2.0	175	1770	37.80	1	3
22.	EBT	410&NB	*	100	16	2.0	1824	1770	37.80	1	3
29.	WBALL	410&NB	*	100	58	2.0	1780	1667	37.80	1	3
33.	NBALL	410&NB	*	100	80	2.0	575	1672	37.80	1	3
44.	EBT	410BUS	*	100	9	2.0	34	1717	25.30	1	3
46.	EBT	410BUS	*	100	59	2.0	34	1717	25.30	1	3
49.	EBT	410BUS	*	110	16	2.0	34	1717	25.30	1	3
52.	WB	410BUS	*	110	20	2.0	34	1762	25.30	1	3
54.	WB	410BUS	*	110	22	2.0	34	1770	25.30	1	3
56.	WBALL	410BUS	*	110	58	2.0	34	1667	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.8	.5	.3	.2	.1	.3	1.1	.9	.9	.7	.7	.4	.4	.4	.4	.1	.0	.0	.0
5.	*	.9	.6	.4	.3	.3	.3	1.1	.9	.9	.8	.7	.4	.4	.4	.5	.2	.0	.1	.0
10.	*	.9	.6	.3	.3	.3	.4	1.0	.9	.8	.8	.7	.6	.6	.6	.5	.3	.0	.2	.0
15.	*	.9	.6	.6	.5	.4	.5	1.1	1.0	.9	.8	.7	.6	.6	.6	.6	.3	.0	.2	.1
20.	*	.9	.7	.5	.6	.5	.6	1.1	1.0	.9	.7	.7	.7	.6	.6	.6	.4	.1	.3	.1
25.	*	.9	.7	.6	.6	.5	.5	1.2	1.1	.9	.7	.7	.7	.7	.6	.5	.1	.3	.1	.1
30.	*	.9	.7	.7	.6	.5	.5	1.3	1.3	1.0	.7	.7	.7	.7	.7	.7	.5	.1	.4	.2
35.	*	.9	.6	.7	.6	.4	.5	1.2	1.3	1.1	.8	.7	.7	.6	.7	.7	.4	.1	.4	.3
40.	*	.9	.7	.6	.6	.4	.5	1.1	1.4	1.1	.9	.8	.7	.6	.6	.7	.4	.2	.4	.3
45.	*	1.0	.7	.8	.5	.4	.4	1.1	1.3	1.2	.9	.8	.6	.6	.6	.7	.5	.2	.4	.3
50.	*	.9	.9	.7	.5	.4	.4	1.3	1.2	1.2	1.1	.9	.7	.5	.5	.6	.5	.2	.4	.3
55.	*	.9	.6	.5	.4	.4	.4	1.2	1.2	1.2	1.1	1.0	.7	.5	.5	.5	.5	.2	.4	.3
60.	*	.9	.6	.5	.4	.4	.4	1.0	1.2	1.2	1.0	1.0	.7	.5	.5	.5	.5	.2	.4	.3
65.	*	.9	.6	.5	.4	.4	.4	1.1	1.2	1.1	1.0	1.0	.7	.5	.5	.5	.5	.3	.4	.2
70.	*	.9	.7	.4	.4	.4	.4	1.0	1.2	1.1	1.0	1.2	.7	.5	.5	.5	.5	.3	.5	.2
75.	*	.9	.5	.4	.4	.4	.4	1.0	1.1	1.3	1.0	1.1	.7	.5	.5	.5	.5	.3	.4	.1
80.	*	.9	.5	.4	.4	.4	.4	.8	1.0	1.2	.9	1.0	.8	.5	.5	.5	.5	.3	.6	.2
85.	*	.7	.4	.4	.4	.4	.4	.9	.9	1.0	.7	.8	.8	.5	.5	.5	.5	.3	.5	.4
90.	*	.6	.4	.4	.4	.4	.4	.5	.8	.8	.6	.5	.9	.5	.5	.5	.5	.3	.7	.5
95.	*	.6	.4	.4	.4	.4	.4	.5	.5	.7	.5	.4	.9	.5	.5	.5	.5	.3	.6	.8
100.	*	.5	.4	.4	.4	.4	.4	.4	.5	.4	.4	.1	.9	.6	.5	.5	.5	.3	.5	.6
105.	*	.4	.4	.4	.4	.4	.4	.3	.3	.4	.3	.2	.9	.7	.5	.5	.5	.3	.6	.9
110.	*	.4	.4	.4	.4	.4	.4	.3	.3	.3	.2	.1	1.0	.7	.5	.5	.5	.3	.7	.8
115.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	1.1	.8	.6	.5	.5	.3	.7	.8
120.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	.9	.8	.7	.5	.5	.3	.7	1.0
125.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	.7	.8	.7	.5	.5	.3	.7	1.0
130.	*	.4	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.6	.9	.7	.5	.5	.3	.7	1.0
135.	*	.5	.5	.4	.4	.4	.4	.3	.3	.2	.1	.0	.7	.9	.8	.7	.5	.3	.7	1.0
140.	*	.5	.5	.5	.4	.4	.4	.3	.3	.2	.1	.0	.5	1.0	.9	.8	.5	.3	.7	.9
145.	*	.5	.5	.5	.5	.4	.3	.3	.3	.2	.0	.0	.6	1.0	.9	.8	.5	.3	.8	.8

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150. * .5 .5 .5 .5 .4 .3 .3 .2 .1 .0 .0 .6 1.0 .9 .9 .6 .3 .8 .8 .7
155. * .5 .5 .5 .4 .3 .3 .3 .1 .1 .0 .0 .7 .8 .9 .8 .6 .4 .8 .7 .7
160. * .5 .4 .4 .3 .3 .2 .2 .1 .1 .0 .0 .8 .8 1.0 .7 .7 .4 .7 .7 .7
165. * .3 .3 .3 .3 .2 .2 .2 .1 .1 .0 .0 .6 .8 .7 .8 .7 .6 .6 .7 .6
170. * .3 .3 .3 .2 .2 .1 .1 .1 .1 .0 .0 .7 .6 .6 .7 .6 .6 .7 .6 .6
175. * .2 .2 .2 .2 .1 .0 .1 .0 .0 .0 .0 .6 .5 .4 .4 .5 .3 .7 .6 .6
180. * .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .5 .5 .6 .4 .3 .3 .6 .6 .6
185. * .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .4 .5 .1 .1 .6 .6 .6
190. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .4 .2 .2 .1 .6 .6 .6
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .4 .3 .2 .0 .6 .6 .6
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .3 .3 .1 .1 .6 .6 .6
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .3 .3 .1 .1 .6 .6 .6

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1

JOB: S13 MD410&SB 295 LBRT PM

RUN: S13 MD410&SB 295 LBRT PM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----
210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3 .3 .1 .1 .6 .6 .6
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3 .3 .1 .1 .6 .6 .6
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3 .3 .1 .1 .7 .7 .8
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .2 .1 .0 .8 .8 .8
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .1 .1 .0 .8 .8 .8
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .1 .1 .0 .8 .8 .7
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .2 .1 .0 .0 .8 .7 .7
245. * .0 .0 .0 .0 .0 .0 .2 .2 .0 .0 .0 .8 .4 .1 .1 .0 .0 .7 .7 .8
250. * .2 .0 .0 .0 .0 .0 .2 .2 .2 .0 .0 .7 .4 .1 .1 .0 .0 .7 .7 1.0
255. * .3 .0 .0 .0 .0 .0 .3 .3 .3 .1 .1 .7 .3 .1 .1 .0 .0 .7 .9 .9
260. * .5 .1 .0 .0 .0 .0 .5 .5 .4 .3 .1 .6 .2 .1 .0 .0 .0 .6 .8 .8
265. * .6 .1 .0 .0 .0 .0 .6 .6 .7 .4 .3 .5 .1 .0 .0 .0 .0 .5 .6 .6
270. * .9 .2 .1 .0 .0 .0 .1 .0 .9 .7 .4 .4 .1 .0 .0 .0 .0 .3 .4 .4
275. * 1.0 .3 .1 .1 .0 .0 1.2 1.3 1.1 .7 .5 .2 .0 .0 .0 .0 .2 .2 .3
280. * 1.1 .4 .1 .1 .0 .0 1.2 1.3 1.3 .8 .6 .2 .0 .0 .0 .0 .2 .2 .2
285. * 1.1 .5 .2 .1 .0 .0 1.3 1.3 1.3 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
290. * 1.1 .5 .3 .1 .1 .0 1.2 1.2 1.2 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
295. * .9 .5 .3 .1 .1 .0 1.2 1.2 1.1 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
300. * .9 .5 .3 .1 .1 .0 1.1 1.1 1.0 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
305. * .8 .5 .4 .2 .1 .1 1.0 1.0 1.0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
310. * .8 .5 .4 .2 .1 .1 1.0 1.0 1.0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
315. * .7 .4 .4 .2 .1 .1 1.0 1.0 1.0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
320. * .7 .4 .4 .3 .1 .1 .9 1.0 .9 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
325. * .6 .4 .4 .3 .1 .1 .9 .9 .9 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
330. * .5 .4 .3 .3 .1 .1 .9 .9 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
335. * .4 .4 .3 .2 .1 .1 .8 .8 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
340. * .4 .3 .3 .2 .1 .1 .8 .8 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
345. * .5 .3 .3 .2 .1 .1 .8 .8 .8 .7 .7 .1 .1 .1 .1 .0 .0 .0 .0
350. * .4 .4 .3 .1 .1 .0 .9 .9 .8 .7 .7 .1 .1 .1 .1 .0 .0 .0 .0
355. * .5 .5 .4 .2 .1 .1 .9 .9 .9 .7 .7 .2 .2 .2 .3 .0 .0 .0 .0
360. * .8 .5 .3 .2 .1 .3 1.1 .9 .9 .7 .7 .4 .4 .4 .4 .1 .0 .0 .0
-----
MAX * 1.1 .9 .8 .6 .5 .6 1.3 1.4 1.3 1.1 1.2 1.1 1.0 1.0 .9 .7 .6 .8 .9 1.0
DEGR. * 280 50 45 20 20 20 30 40 75 50 70 115 140 160 150 160 165 145 105 105

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1

JOB: S13 MD410&SB 295 LBRT PM

RUN: S13 MD410&SB 295 LBRT PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22
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0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .1 .0
45. * .1 .0
50. * .1 .1
55. * .1 .1
60. * .2 .1
65. * .1 .1
70. * .1 .1
75. * .2 .2
80. * .3 .3
85. * .5 .5
90. * .7 .6
95. * .6 .9
100. * .8 .9
105. * 1.1 .9

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110.	*	1.0	.9
115.	*	1.1	.9
120.	*	1.0	1.0
125.	*	.9	1.0
130.	*	.8	.9
135.	*	.8	.8
140.	*	.8	.7
145.	*	.6	.6
150.	*	.6	.6
155.	*	.6	.6
160.	*	.6	.6
165.	*	.6	.6
170.	*	.6	.6
175.	*	.6	.6
180.	*	.6	.6
185.	*	.6	.6
190.	*	.6	.6
195.	*	.6	.6
200.	*	.7	.6
205.	*	.7	.6

1

JOB: S13 MD410&SB 295 LBRT PM

RUN: S13 MD410&SB 295 LBRT PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.7	.6
215.	*	.7	.7
220.	*	.8	.8
225.	*	.9	.8
230.	*	.9	.8
235.	*	.9	.8
240.	*	.9	.8
245.	*	.9	.8
250.	*	.8	.7
255.	*	.7	.7
260.	*	.7	.4
265.	*	.5	.4
270.	*	.4	.2
275.	*	.2	.2
280.	*	.2	.1
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* 1.1 1.0

DEGR. \* 105 120

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 40 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 30 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 75 DEGREES FROM REC9 .

S13 MD410&SB 295 HBRT AM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 HBRT AM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	25 3.7 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
110	101	2.0 25 37.8 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	1270 3.7 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
110	14	2.0 1270 37.8 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	1890 3.9 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
110	22	2.0 1890 37.8 1762 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	1975 3.9 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	1360 3.7 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
110	67	2.0 1360 37.8 1639 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	280 3.9 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
110	83	2.0 280 37.8 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1729 3.9 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
110	25	2.0 1729 37.8 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	280 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	83	2.0 280 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	90 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	83	2.0 90 37.8 1717 1 3			
1					
EBL	410&NB	AG339593.471451.339108.471438.	275 4.0 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
110	83	2.0 275 37.8 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1039 4.0 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
110	18	2.0 1039 37.8 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	1099 4.0 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	1925 3.6 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
110	59	2.0 1925 37.8 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	1925 3.6 0. 68	25	
1					
WBALL	410&NB	AG339919.471557.340113.471684.	1925 3.6 0. 68	25	

[illegible]

JOB: S13 MD410&SB 295 HBRT AM  
DATE: 10/14/2007 TIME: 10:11:31.71

RUN: S13 MD410&SB 295 HBRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	25.	3.7	.0	44.0		
2. EBL	410&64	* 338507.0	471429.0	338493.2	471428.7	*	14.	267. AG	93.	100.0	.0	12.0	.31	.7
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	1270.	3.7	.0	44.0		
4. EBT	410&64	* 338520.0	471409.0	338413.1	471406.4	*	107.	268. AG	13.	100.0	.0	12.0	.86	5.4
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	1890.	3.9	.0	44.0		
6. WBALL	410&64	* 338636.0	471455.0	338749.6	471459.1	*	114.	88. AG	41.	100.0	.0	24.0	.70	5.8
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	1975.	3.9	.0	44.0		
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	1360.	3.7	.0	56.0		
9. EBALL	410&SB	* 339046.0	471421.0	338876.2	471417.9	*	170.	269. AG	185.	100.0	.0	36.0	.78	8.6
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	280.	3.9	.0	32.0		
11. WBL	410&SB	* 339129.0	471448.0	339262.5	471451.6	*	134.	88. AG	77.	100.0	.0	12.0	.76	6.8
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1729.	3.9	.0	44.0		
13. WBT	410&SB	* 339131.0	471470.0	339249.1	471472.6	*	118.	89. AG	46.	100.0	.0	24.0	.66	6.0
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	280.	3.5	.0	32.0		
15. SBR	410&SB	* 339068.0	471501.0	339070.2	471649.5	*	149.	1. AG	77.	100.0	.0	12.0	.85	7.5
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	90.	3.5	.0	44.0		
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471520.4	*	20.	360. AG	153.	100.0	.0	24.0	.13	1.0
18. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	275.	4.0	.0	32.0		
19. EBL	410&NB	* 339573.0	471450.0	339443.2	471446.7	*	130.	269. AG	77.	100.0	.0	12.0	.74	6.6
20. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1039.	4.0	.0	44.0		
21. EBT	410&NB	* 339565.0	471437.0	339514.0	471435.6	*	51.	268. AG	33.	100.0	.0	24.0	.37	2.6
22. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	1099.	4.0	.0	44.0		
23. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	1099.	4.0	.0	44.0		
24. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	1099.	4.0	.0	44.0		
25. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	1099.	4.0	.0	44.0		
26. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	1099.	4.0	.0	44.0		
27. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	1925.	3.6	.0	68.0		
28. WBALL	410&NB	* 339607.0	471478.0	339762.2	471478.0	*	155.	90. AG	218.	100.0	.0	48.0	.68	7.9
29. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	1925.	3.6	.0	68.0		
30. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	1925.	3.6	.0	68.0		
31. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	385.	3.5	.0	56.0		
32. NBALL	410&NB	* 339569.0	471399.0	339563.7	471336.3	*	63.	185. AG	249.	100.0	.0	36.0	.53	3.2
33. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	550.	3.5	.0	32.0		
34. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	2750.	5.3	.0	44.0		
35. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	2750.	5.3	.0	44.0		
36. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4150.	4.6	.0	44.0		
37. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4150.	4.6	.0	44.0		
38. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	3.3	.0	32.0		
39. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	3.3	.0	32.0		
40. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	3.3	.0	32.0		
41. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	3.3	.0	32.0		
42. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	3.3	.0	32.0		
43. EBT	410BUS	* 339552.0	471420.0	339548.7	471419.9	*	3.	270. AG	11.	100.0	.0	12.0	.02	.2
44. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	3.3	.0	32.0		

JOB: S13 MD410&SB 295 HBRT AM  
DATE: 10/14/2007 TIME: 10:11:31.71

RUN: S13 MD410&SB 295 HBRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. EBT	410BUS	* 339044.0	471407.0	339031.5	471406.8	*	12.	270. AG	41.	100.0	.0	12.0	.06	.6
46. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	3.3	.0	32.0		
47. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	3.3	.0	32.0		
48. EBT	410BUS	* 338499.0	471389.0	338496.4	471389.0	*	3.	270. AG	9.	100.0	.0	12.0	.02	.1
49. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	2.5	.0	32.0		
50. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	2.5	.0	32.0		
51. WB	410BUS	* 338640.0	471472.0	338644.1	471472.2	*	4.	85. AG	14.	100.0	.0	12.0	.03	.2
52. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	2.5	.0	32.0		
53. WB	410BUS	* 339132.0	471491.0	339136.7	471491.0	*	5.	87. AG	15.	100.0	.0	12.0	.03	.2
54. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	2.5	.0	32.0		
55. WBALL	410BUS	* 339615.0	471492.0	339625.9	471493.2	*	11.	83. AG	36.	100.0	.0	12.0	.05	.6
56. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	2.5	.0	32.0		
57. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	2.5	.0	32.0		
58. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	2.5	.0	32.0		
59. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	450.	3.5	.0	32.0		

JOB: S13 MD410&SB 295 HBRT AM  
DATE: 10/14/2007 TIME: 10:11:31.71

RUN: S13 MD410&SB 295 HBRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	110	101	2.0	25	1770	37.80	1	3
4.	EBT	410&64	*	110	14	2.0	1270	1770	37.80	1	3
6.	WBALL	410&64	*	110	22	2.0	1890	1762	37.80	1	3
9.	EBALL	410&SB	*	110	67	2.0	1360	1639	37.80	1	3
11.	WBL	410&SB	*	110	83	2.0	280	1770	37.80	1	3
13.	WBT	410&SB	*	110	25	2.0	1729	1770	37.80	1	3
15.	SBR	410&SB	*	110	83	2.0	280	1583	37.80	1	3
17.	SBL	410&SB	*	110	83	2.0	90	1717	37.80	1	3
19.	EBL	410&NB	*	110	83	2.0	275	1770	37.80	1	3
21.	EBT	410&NB	*	110	18	2.0	1039	1770	37.80	1	3
28.	WBALL	410&NB	*	110	59	2.0	1925	1667	37.80	1	3
32.	NBALL	410&NB	*	110	90	2.0	385	1672	37.80	1	3
43.	EBT	410BUS	*	110	18	2.0	34	1717	25.30	1	3
45.	EBT	410BUS	*	110	67	2.0	34	1717	25.30	1	3
48.	EBT	410BUS	*	110	14	2.0	34	1717	25.30	1	3
51.	WB	410BUS	*	110	22	2.0	34	1762	25.30	1	3
53.	WB	410BUS	*	110	25	2.0	34	1770	25.30	1	3
55.	WBALL	410BUS	*	110	59	2.0	34	1667	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

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JOB: S13 MD410&SB 295 HBRT AM

RUN: S13 MD410&SB 295 HBRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.1	.1	.1	.1	.2	.9	.8	.3	.3	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0
5.	*	.5	.3	.2	.2	.2	.2	.9	.8	.3	.4	.2	.4	.3	.2	.1	.0	.1	.0	.0	.0
10.	*	.5	.3	.3	.3	.2	.4	.9	.9	.2	.3	.2	.5	.4	.3	.2	.1	.0	.1	.0	.0
15.	*	.6	.4	.4	.4	.2	.4	.9	.8	.3	.2	.2	.5	.5	.3	.3	.1	.0	.1	.1	.0
20.	*	.8	.6	.4	.5	.4	.4	1.0	.8	.3	.2	.2	.5	.5	.3	.3	.2	.1	.2	.1	.1
25.	*	.8	.7	.5	.5	.3	.5	1.1	1.0	.4	.2	.2	.5	.5	.3	.3	.2	.1	.2	.1	.1
30.	*	.8	.7	.6	.5	.3	.5	1.1	1.1	.5	.2	.2	.5	.5	.3	.3	.2	.1	.3	.1	.1
35.	*	.8	.6	.6	.5	.3	.4	1.1	1.2	.5	.3	.2	.5	.5	.3	.3	.2	.1	.4	.1	.1
40.	*	.7	.6	.5	.4	.3	.4	1.1	1.2	.7	.3	.2	.5	.5	.3	.3	.2	.2	.4	.2	.1
45.	*	.7	.6	.5	.3	.3	.3	1.0	1.2	.7	.3	.2	.5	.5	.3	.3	.3	.2	.4	.2	.2
50.	*	.7	.6	.6	.3	.3	.3	1.1	1.1	.8	.4	.3	.5	.5	.3	.3	.3	.2	.4	.2	.2
55.	*	.6	.6	.3	.3	.3	.3	.9	1.0	.7	.4	.4	.6	.5	.3	.3	.3	.2	.4	.2	.2
60.	*	.6	.6	.3	.3	.3	.3	.9	1.1	.8	.4	.4	.6	.5	.3	.3	.3	.2	.4	.2	.2
65.	*	.7	.5	.3	.3	.3	.3	.9	1.0	.8	.4	.4	.6	.5	.3	.3	.3	.2	.4	.1	.1
70.	*	.7	.6	.3	.3	.3	.3	.7	1.0	.9	.5	.4	.5	.5	.3	.3	.3	.3	.3	.1	.1
75.	*	.7	.4	.3	.3	.3	.3	.7	1.0	.9	.5	.3	.5	.5	.3	.3	.3	.3	.3	.1	.2
80.	*	.7	.4	.3	.3	.3	.3	.6	.9	.8	.5	.3	.7	.4	.3	.3	.3	.3	.4	.2	.2
85.	*	.6	.4	.3	.3	.3	.3	.7	.8	.8	.3	.2	.8	.4	.3	.3	.3	.3	.4	.3	.2
90.	*	.5	.4	.3	.3	.3	.3	.6	.7	.6	.2	.1	.7	.5	.2	.3	.3	.3	.5	.4	.4
95.	*	.6	.4	.3	.3	.3	.3	.5	.4	.5	.3	.0	.7	.5	.2	.3	.3	.3	.5	.5	.6
100.	*	.4	.4	.3	.3	.3	.3	.2	.4	.4	.1	.0	.8	.6	.3	.2	.3	.3	.5	.5	.5
105.	*	.4	.4	.3	.3	.3	.3	.2	.2	.3	.1	.1	1.0	.6	.3	.2	.3	.3	.6	.7	.9
110.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	1.0	.6	.3	.3	.3	.3	.7	.7	.8
115.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	1.0	.6	.5	.3	.3	.3	.7	.7	.8
120.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	.8	.6	.5	.3	.3	.3	.6	.7	.8
125.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.1	.7	.6	.5	.3	.3	.3	.5	.7	.8
130.	*	.4	.4	.4	.3	.3	.3	.3	.3	.2	.1	.0	.6	.7	.5	.3	.2	.3	.6	.7	.7
135.	*	.5	.5	.4	.4	.3	.3	.3	.3	.2	.1	.0	.7	.8	.6	.3	.2	.3	.7	.8	.7
140.	*	.5	.5	.5	.4	.3	.2	.3	.3	.2	.1	.0	.5	.7	.7	.3	.3	.3	.7	.8	.7
145.	*	.5	.5	.5	.5	.3	.3	.3	.3	.1	.0	.0	.5	.7	.7	.3	.3	.2	.8	.8	.5

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150. * .5 .5 .5 .4 .2 .3 .3 .1 .1 .0 .0 .5 .8 .6 .4 .3 .3 .8 .7 .5
155. * .5 .5 .5 .4 .2 .2 .3 .1 .1 .0 .0 .5 .6 .6 .5 .3 .3 .8 .7 .5
160. * .5 .4 .3 .3 .2 .1 .2 .1 .1 .0 .0 .5 .6 .6 .4 .4 .3 .7 .7 .4
165. * .3 .3 .3 .3 .1 .1 .1 .1 .0 .0 .0 .5 .5 .5 .6 .4 .4 .7 .7 .3
170. * .3 .3 .3 .2 .1 .1 .1 .1 .0 .0 .0 .6 .4 .4 .5 .2 .3 .7 .6 .3
175. * .2 .2 .2 .1 .1 .0 .1 .0 .0 .0 .0 .5 .4 .3 .3 .2 .2 .7 .5 .3
180. * .2 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .5 .4 .4 .2 .1 .2 .6 .5 .3
185. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .3 .3 .3 .0 .0 .6 .5 .3
190. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .3 .1 .0 .0 .6 .5 .3
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .3 .1 .0 .0 .6 .4 .3
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .2 .2 .0 .0 .6 .4 .3
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .2 .2 .0 .0 .6 .4 .3

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JOB: S13 MD410&SB 295 HBRT AM

RUN: S13 MD410&SB 295 HBRT AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

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210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .2 .2 .0 .0 .5 .4 .3
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .2 .1 .0 .0 .5 .3 .3
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .2 .1 .0 .0 .5 .3 .3
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .1 .0 .0 .0 .5 .3 .3
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .1 .0 .0 .0 .5 .3 .4
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .1 .0 .0 .0 .5 .4 .4
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .2 .1 .0 .0 .0 .5 .4 .4
245. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .1 .0 .0 .0 .0 .5 .4 .4
250. * .0 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0 .5 .1 .0 .0 .0 .0 .4 .4 .6
255. * .2 .0 .0 .0 .0 .0 .2 .1 .1 .0 .0 .5 .1 .0 .0 .0 .3 .4 .4
260. * .2 .0 .0 .0 .0 .0 .2 .1 .1 .0 .0 .3 .1 .0 .0 .0 .3 .3 .3
265. * .3 .0 .0 .0 .0 .0 .4 .2 .1 .1 .0 .2 .0 .0 .0 .0 .2 .3 .3
270. * .6 .0 .0 .0 .0 .0 .5 .3 .2 .2 .1 .1 .0 .0 .0 .0 .1 .2 .2
275. * .7 .0 .0 .0 .0 .0 .6 .6 .3 .2 .1 .1 .0 .0 .0 .0 .1 .1 .2
280. * .7 .1 .0 .0 .0 .0 .7 .6 .4 .2 .1 .1 .0 .0 .0 .0 .1 .1 .0
285. * .8 .2 .0 .0 .0 .0 .8 .6 .4 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
290. * .8 .3 .0 .0 .0 .0 .8 .7 .4 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
295. * .8 .3 .0 .0 .0 .0 .9 .7 .3 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
300. * .8 .4 .0 .0 .0 .0 .9 .8 .3 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
305. * .7 .4 .3 .0 .0 .0 .9 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
310. * .7 .4 .3 .0 .0 .0 .9 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
315. * .6 .4 .3 .0 .0 .0 .9 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
320. * .6 .4 .3 .1 .0 .0 .9 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
325. * .5 .4 .3 .1 .0 .0 .8 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
330. * .5 .4 .3 .1 .0 .0 .8 .8 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
335. * .3 .4 .2 .1 .0 .0 .7 .7 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
340. * .3 .3 .2 .1 .0 .0 .7 .7 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
345. * .3 .3 .2 .1 .1 .0 .7 .8 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
350. * .3 .3 .1 .1 .0 .0 .8 .8 .3 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0
355. * .4 .4 .2 .2 .1 .1 .8 .8 .3 .3 .2 .1 .0 .0 .0 .0 .0 .0 .0
360. * .4 .1 .1 .1 .1 .2 .9 .8 .3 .3 .2 .2 .1 .0 .0 .0 .0 .0 .0

```

```

MAX * .8 .7 .6 .5 .4 .5 1.1 1.2 .9 .5 .4 1.0 .8 .7 .6 .4 .4 .8 .8 .9
DEGR. * 20 25 30 20 20 25 50 35 70 70 55 105 135 140 165 160 165 145 135 105

```

1

JOB: S13 MD410&SB 295 HBRT AM

RUN: S13 MD410&SB 295 HBRT AM

PAGE 6

MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

```

*-----*
0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .1 .0
45. * .1 .0
50. * .1 .1
55. * .1 .1
60. * .1 .1
65. * .1 .1
70. * .1 .1
75. * .2 .2
80. * .2 .2
85. * .3 .3
90. * .5 .3
95. * .5 .4
100. * .5 .5
105. * .6 .4

```

110.	*	.5	.5
115.	*	.5	.5
120.	*	.5	.5
125.	*	.5	.5
130.	*	.4	.4
135.	*	.4	.4
140.	*	.4	.4
145.	*	.3	.3
150.	*	.3	.3
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.3
175.	*	.3	.3
180.	*	.3	.3
185.	*	.3	.3
190.	*	.3	.3
195.	*	.3	.3
200.	*	.3	.3
205.	*	.3	.3

1

JOB: S13 MD410&SB 295 HBRT AM

RUN: S13 MD410&SB 295 HBRT AM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.3	.3
215.	*	.3	.3
220.	*	.4	.4
225.	*	.4	.4
230.	*	.4	.4
235.	*	.4	.4
240.	*	.4	.4
245.	*	.4	.4
250.	*	.4	.4
255.	*	.4	.3
260.	*	.4	.2
265.	*	.2	.2
270.	*	.2	.1
275.	*	.1	.1
280.	*	.1	.1
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .6 .5

DEGR. \* 105 100

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 35 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 50 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 105 DEGREES FROM REC12.

S13 MD410&SB 295 HBRT PM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 HBRT PM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	90 3.9 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
100	88	2.0 90 37.8 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	2040 3.9 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
100	9	2.0 2040 37.8 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2010 4.0 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
100	20	2.0 2010 37.8 1757 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	1980 4.0 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	2115 3.9 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
100	59	2.0 2115 37.8 1695 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	305 3.9 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
100	77	2.0 305 37.8 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1694 3.9 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
100	22	2.0 1694 37.8 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	350 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
100	76	2.0 350 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	200 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
100	76	2.0 200 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	650 3.5 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	175 4.4 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
100	83	2.0 175 37.8 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1824 4.4 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
100	16	2.0 1824 37.8 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	2064 4.4 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	1780 3.6 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
100	58	2.0 1780 37.8 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	1780 3.6 0. 68	25	



1	WBALL	410&NB	AG339919.471557.340113.471684.	1780	3.6	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	575	3.5	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
100		80	2.0 575 37.8 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	325	3.5	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	4350	4.3	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	4350	4.3	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4000	4.8	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4000	4.8	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	2.7	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	2.7	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	2.7	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	2.7	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	2.7	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
100		9	2.0 34 25.3 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	2.7	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
100		59	2.0 34 25.3 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	2.7	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	2.7	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
110		16	2.0 34 25.3 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	2.5	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	2.5	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
110		20	2.0 34 25.3 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	2.5	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
110		22	2.0 34 25.3 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	2.5	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		58	2.0 34 25.3 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	2.5	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	2.5	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	2.5	0.	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S13 MD410&SB 295 HBRT PM  
DATE: 10/14/2007 TIME: 10:14:15.22

RUN: S13 MD410&SB 295 HBRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	90.	3.9	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338461.0	471427.8	*	46.	268. AG	89.	100.0	.0	12.0	.64 2.3
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	2040.	3.9	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	333235.0	471276.1	*	5287.	269. AG	9.	100.0	.0	12.0	1.33 268.6
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2010.	4.0	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338745.9	471458.9	*	110.	88. AG	41.	100.0	.0	24.0	.75 5.6
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	1980.	4.0	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	2115.	3.9	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	337913.9	471400.4	*	1132.	269. AG	179.	100.0	.0	36.0	1.12 57.5
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	305.	3.9	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339296.7	471452.5	*	168.	89. AG	78.	100.0	.0	12.0	.91 8.5
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1694.	3.9	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339232.9	471472.2	*	102.	89. AG	45.	100.0	.0	24.0	.65 5.2
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	350.	3.5	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339076.5	472077.0	*	576.	1. AG	77.	100.0	.0	12.0	1.11 29.3
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	200.	3.5	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471541.6	*	42.	360. AG	154.	100.0	.0	24.0	.29 2.1
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	650.	3.5	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	175.	4.4	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339484.4	471447.8	*	89.	268. AG	84.	100.0	.0	12.0	.76 4.5
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1824.	4.4	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339485.2	471434.8	*	80.	269. AG	32.	100.0	.0	24.0	.64 4.1
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	2064.	4.4	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	2064.	4.4	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	2064.	4.4	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	2064.	4.4	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	2064.	4.4	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	1780.	3.6	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339748.1	471478.0	*	141.	90. AG	235.	100.0	.0	48.0	.70 7.2
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	1780.	3.6	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	1780.	3.6	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	575.	3.5	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339561.6	471311.0	*	88.	185. AG	243.	100.0	.0	36.0	.72 4.5
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	325.	3.5	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4350.	4.3	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4350.	4.3	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4000.	4.8	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4000.	4.8	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	2.7	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	2.7	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	2.7	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	2.7	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	2.7	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339550.3	471419.9	*	2.	265. AG	6.	100.0	.0	12.0	.02 .1

JOB: S13 MD410&SB 295 HBRT PM  
DATE: 10/14/2007 TIME: 10:14:15.22

RUN: S13 MD410&SB 295 HBRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	2.7	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339033.0	471406.8	*	11.	270. AG	40.	100.0	.0	12.0	.05 .6
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	2.7	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	2.7	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338496.0	471389.0	*	3.	268. AG	10.	100.0	.0	12.0	.02 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	2.5	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	2.5	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338643.7	471472.2	*	4.	88. AG	12.	100.0	.0	12.0	.02 .2
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	2.5	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339136.1	471491.0	*	4.	90. AG	14.	100.0	.0	12.0	.03 .2
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	2.5	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339625.7	471493.2	*	11.	84. AG	36.	100.0	.0	12.0	.05 .5
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	2.5	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	2.5	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	2.5	.0	32.0	

JOB: S13 MD410&SB 295 HBRT PM  
DATE: 10/14/2007 TIME: 10:14:15.22

RUN: S13 MD410&SB 295 HBRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	100	88	2.0	90	1770	37.80	1	3
4.	EBT	410&64	*	100	9	2.0	2040	1770	37.80	1	3
6.	WBALL	410&64	*	100	20	2.0	2010	1757	37.80	1	3
9.	EBALL	410&SB	*	100	59	2.0	2115	1695	37.80	1	3
11.	WBL	410&SB	*	100	77	2.0	305	1770	37.80	1	3
13.	WBT	410&SB	*	100	22	2.0	1694	1770	37.80	1	3
15.	SBR	410&SB	*	100	76	2.0	350	1583	37.80	1	3
17.	SBL	410&SB	*	100	76	2.0	200	1717	37.80	1	3
20.	EBL	410&NB	*	100	83	2.0	175	1770	37.80	1	3
22.	EBT	410&NB	*	100	16	2.0	1824	1770	37.80	1	3
29.	WBALL	410&NB	*	100	58	2.0	1780	1667	37.80	1	3
33.	NBALL	410&NB	*	100	80	2.0	575	1672	37.80	1	3
44.	EBT	410BUS	*	100	9	2.0	34	1717	25.30	1	3
46.	EBT	410BUS	*	100	59	2.0	34	1717	25.30	1	3
49.	EBT	410BUS	*	110	16	2.0	34	1717	25.30	1	3
52.	WB	410BUS	*	110	20	2.0	34	1762	25.30	1	3
54.	WB	410BUS	*	110	22	2.0	34	1770	25.30	1	3
56.	WBALL	410BUS	*	110	58	2.0	34	1667	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

1

JOB: S13 MD410&SB 295 HBRT PM

RUN: S13 MD410&SB 295 HBRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.8	.5	.3	.2	.1	.3	1.1	.9	.9	.7	.7	.4	.4	.4	.4	.1	.0	.0	.0	.0
5.	*	.9	.6	.4	.3	.3	.3	1.1	.9	.9	.8	.7	.4	.4	.4	.5	.2	.0	.1	.0	.0
10.	*	.9	.6	.3	.3	.3	.4	1.0	.9	.8	.8	.7	.6	.6	.6	.5	.3	.0	.2	.0	.0
15.	*	.9	.6	.6	.5	.4	.5	1.1	1.0	.9	.8	.7	.6	.6	.6	.6	.3	.0	.2	.1	.0
20.	*	.9	.7	.5	.6	.5	.6	1.1	1.0	.9	.7	.7	.7	.6	.6	.6	.4	.1	.3	.1	.1
25.	*	.9	.7	.6	.6	.5	.5	1.2	1.1	.9	.7	.7	.7	.7	.6	.5	.1	.3	.1	.1	.1
30.	*	.9	.7	.7	.6	.5	.5	1.3	1.3	1.0	.7	.7	.7	.7	.7	.7	.5	.1	.4	.2	.1
35.	*	.9	.6	.7	.6	.4	.5	1.2	1.3	1.1	.8	.7	.7	.6	.7	.7	.4	.1	.4	.3	.1
40.	*	.9	.7	.6	.6	.4	.5	1.1	1.4	1.1	.9	.8	.7	.6	.6	.7	.4	.2	.4	.3	.2
45.	*	1.0	.7	.8	.5	.4	.4	1.1	1.3	1.2	.9	.8	.6	.6	.6	.7	.5	.2	.4	.3	.2
50.	*	.9	.9	.7	.5	.4	.4	1.3	1.2	1.2	1.1	.9	.7	.5	.5	.6	.5	.2	.4	.3	.2
55.	*	.9	.6	.5	.4	.4	.4	1.2	1.2	1.2	1.1	1.0	.7	.5	.5	.5	.5	.2	.4	.3	.2
60.	*	.9	.6	.5	.4	.4	.4	1.0	1.2	1.2	1.0	1.0	.7	.5	.5	.5	.5	.2	.4	.3	.2
65.	*	.9	.6	.5	.4	.4	.4	1.1	1.2	1.1	1.0	1.0	.7	.5	.5	.5	.5	.3	.4	.2	.2
70.	*	.9	.7	.4	.4	.4	.4	1.0	1.2	1.1	1.0	1.2	.7	.5	.5	.5	.5	.3	.5	.2	.1
75.	*	.9	.5	.4	.4	.4	.4	1.0	1.1	1.3	1.0	1.1	.7	.5	.5	.5	.5	.3	.4	.1	.2
80.	*	.9	.5	.4	.4	.4	.4	.8	1.0	1.2	.9	1.0	.8	.5	.5	.5	.5	.3	.6	.2	.2
85.	*	.7	.4	.4	.4	.4	.4	.9	.9	1.0	.7	.8	.8	.5	.5	.5	.5	.3	.5	.4	.3
90.	*	.6	.4	.4	.4	.4	.4	.5	.8	.8	.6	.5	.9	.5	.5	.5	.5	.3	.7	.5	.6
95.	*	.6	.4	.4	.4	.4	.4	.5	.5	.7	.5	.4	.9	.5	.5	.5	.5	.3	.6	.6	.8
100.	*	.5	.4	.4	.4	.4	.4	.4	.5	.4	.4	.1	.9	.6	.5	.5	.5	.3	.5	.6	.8
105.	*	.4	.4	.4	.4	.4	.4	.3	.3	.4	.3	.2	.9	.7	.5	.5	.5	.3	.6	.9	1.0
110.	*	.4	.4	.4	.4	.4	.4	.3	.3	.3	.2	.1	1.0	.7	.5	.5	.5	.3	.7	.9	.8
115.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	1.1	.8	.6	.5	.5	.3	.7	.8	.8
120.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	.9	.8	.7	.5	.5	.3	.7	.8	1.0
125.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	.7	.8	.7	.5	.5	.3	.7	.8	1.0
130.	*	.4	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.6	.9	.7	.5	.5	.3	.7	.8	1.0
135.	*	.5	.5	.4	.4	.4	.4	.3	.3	.2	.1	.0	.7	.9	.8	.7	.5	.3	.7	.8	1.0
140.	*	.5	.5	.5	.4	.4	.4	.3	.3	.2	.1	.0	.5	1.0	.9	.8	.5	.3	.7	.8	.9
145.	*	.5	.5	.5	.5	.4	.3	.3	.3	.2	.0	.0	.6	1.0	.9	.8	.5	.3	.8	.8	.8

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150. * .5 .5 .5 .5 .4 .3 .3 .2 .1 .0 .0 .6 1.0 .9 .9 .6 .3 .8 .8 .7
155. * .5 .5 .5 .4 .3 .3 .3 .1 .1 .0 .0 .7 .8 .9 .8 .6 .4 .8 .7 .7
160. * .5 .4 .4 .3 .3 .2 .2 .1 .1 .0 .0 .8 .8 1.0 .7 .7 .4 .7 .7 .7
165. * .3 .3 .3 .3 .2 .2 .2 .1 .1 .0 .0 .6 .8 .7 .8 .7 .6 .6 .7 .6
170. * .3 .3 .3 .2 .2 .1 .1 .1 .1 .0 .0 .7 .6 .6 .7 .6 .6 .7 .6 .6
175. * .2 .2 .2 .2 .1 .0 .1 .0 .0 .0 .0 .6 .5 .4 .4 .5 .3 .7 .6 .6
180. * .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .5 .5 .6 .4 .3 .3 .6 .6 .6
185. * .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .4 .5 .1 .1 .6 .6 .6
190. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .4 .2 .2 .1 .6 .6 .6
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .4 .3 .2 .0 .6 .6 .6
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .3 .3 .1 .1 .6 .6 .6
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .3 .3 .1 .1 .6 .6 .6

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1

JOB: S13 MD410&SB 295 HBRT PM

RUN: S13 MD410&SB 295 HBRT PM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----
210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3 .3 .1 .1 .6 .6 .6
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3 .3 .1 .1 .6 .6 .6
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3 .3 .1 .1 .7 .7 .8
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .2 .1 .0 .8 .8 .8
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .1 .1 .0 .8 .8 .8
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .1 .1 .0 .8 .8 .7
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .2 .1 .0 .0 .8 .7 .7
245. * .0 .0 .0 .0 .0 .0 .2 .2 .0 .0 .0 .8 .4 .1 .1 .0 .0 .7 .7 .8
250. * .2 .0 .0 .0 .0 .0 .2 .2 .2 .0 .0 .7 .4 .1 .1 .0 .0 .7 .7 1.0
255. * .3 .0 .0 .0 .0 .0 .3 .3 .3 .1 .1 .7 .3 .1 .1 .0 .0 .7 .9 .9
260. * .5 .1 .0 .0 .0 .0 .5 .5 .4 .3 .1 .6 .2 .1 .0 .0 .0 .6 .8 .8
265. * .6 .1 .0 .0 .0 .0 .6 .6 .7 .4 .3 .5 .1 .0 .0 .0 .0 .5 .6 .6
270. * .9 .2 .1 .0 .0 .0 .1 .0 .1 .0 .9 .7 .4 .4 .1 .0 .0 .3 .4 .4
275. * 1.0 .3 .1 .1 .0 .0 .1 .2 .1 .1 .7 .5 .2 .0 .0 .0 .0 .2 .3 .3
280. * 1.1 .4 .1 .1 .0 .0 .1 .2 .1 .1 .8 .6 .2 .0 .0 .0 .0 .2 .2 .2
285. * 1.1 .5 .2 .1 .0 .0 .1 .3 .1 .1 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
290. * 1.1 .5 .3 .1 .1 .0 .1 .2 .1 .1 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
295. * .9 .5 .3 .1 .1 .0 .1 .2 .1 .1 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
300. * .9 .5 .3 .1 .1 .0 .1 .1 .1 .1 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
305. * .8 .5 .4 .2 .1 .1 .1 .0 .1 .0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
310. * .8 .5 .4 .2 .1 .1 .1 .0 .1 .0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
315. * .7 .4 .4 .2 .1 .1 .1 .0 .1 .0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
320. * .7 .4 .4 .3 .1 .1 .9 .9 .9 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0
325. * .6 .4 .4 .3 .1 .1 .9 .9 .9 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0
330. * .5 .4 .3 .3 .1 .1 .9 .9 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0
335. * .4 .4 .3 .2 .1 .1 .8 .8 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0
340. * .4 .3 .3 .2 .1 .1 .8 .8 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0
345. * .5 .3 .3 .2 .1 .1 .8 .8 .8 .7 .7 .1 .1 .1 .1 .0 .0 .0 .0 .0
350. * .4 .4 .3 .1 .1 .0 .9 .9 .8 .7 .7 .1 .1 .1 .1 .0 .0 .0 .0 .0
355. * .5 .5 .4 .2 .1 .1 .9 .9 .9 .7 .7 .2 .2 .2 .3 .0 .0 .0 .0 .0
360. * .8 .5 .3 .2 .1 .3 .1 .1 .9 .9 .7 .7 .4 .4 .4 .1 .0 .0 .0 .0
-----
MAX * 1.1 .9 .8 .6 .5 .6 1.3 1.4 1.3 1.1 1.2 1.1 1.0 1.0 .9 .7 .6 .8 .9 1.0
DEGR. * 280 50 45 20 20 20 30 40 75 50 70 115 140 160 150 160 165 145 105 105

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1

JOB: S13 MD410&SB 295 HBRT PM

RUN: S13 MD410&SB 295 HBRT PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22
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0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .1 .0
45. * .1 .0
50. * .1 .1
55. * .1 .1
60. * .2 .1
65. * .1 .1
70. * .1 .1
75. * .2 .2
80. * .3 .3
85. * .5 .5
90. * .7 .6
95. * .6 .9
100. * .8 .9
105. * 1.1 .9

```

110.	*	1.0	.9
115.	*	1.1	.9
120.	*	1.0	1.0
125.	*	.9	1.0
130.	*	.8	.9
135.	*	.8	.8
140.	*	.8	.7
145.	*	.6	.6
150.	*	.6	.6
155.	*	.6	.6
160.	*	.6	.6
165.	*	.6	.6
170.	*	.6	.6
175.	*	.6	.6
180.	*	.6	.6
185.	*	.6	.6
190.	*	.6	.6
195.	*	.6	.6
200.	*	.7	.6
205.	*	.7	.6

1

JOB: S13 MD410&SB 295 HBRT PM

RUN: S13 MD410&SB 295 HBRT PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.7	.6
215.	*	.7	.7
220.	*	.8	.8
225.	*	.9	.8
230.	*	.9	.8
235.	*	.9	.8
240.	*	.9	.8
245.	*	.9	.8
250.	*	.8	.7
255.	*	.7	.7
260.	*	.7	.4
265.	*	.5	.4
270.	*	.4	.2
275.	*	.2	.2
280.	*	.2	.1
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* 1.1 1.0

DEGR. \* 105 120

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 40 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 30 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 75 DEGREES FROM REC9 .

S13 MD410&SB 295 LLRT AM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 LLRT AM			47 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	2750 5.3 0. 44	65	
1					
NB	I295	AG339464.471638.339385.470489.	2750 5.3 0. 44	65	
1					
SB	I295	AG339230.470499.339198.471395.	4150 4.6 0. 44	65	
1					
SB	I295	AG339198.471395.339198.472460.	4150 4.6 0. 44	65	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	25 3.7 0. 32	23	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	25 3.7 0. 32	23	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	101	2.0 25 37.8 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	1270 4.0 0. 44	19	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	1270 3.7 0. 44	23	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	14	2.0 1270 37.8 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	1975 4.0 0. 44	19	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	1975 4.0 0. 44	19	
1					
WB	64th Ave	AG338591.471461.338706.471469.	1900 4.0 0. 44	19	
1					
WB	64th Ave	AG338706.471469.339066.471484.	1900 4.0 0. 44	19	
1					
SBR	410&SB	AG339068.471452.339082.472350.	280 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	83	2.0 280 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	90 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	83	2.0 90 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	450 3.5 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	1360 3.7 0. 56	23	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	67	2.0 1360 37.8 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	1360 3.7 0. 56	23	
1					
EBL	295NB	AG339581.471452.339143.471446.	275 4.0 0. 32	19	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	83	2.0 275 37.8 1770 1 3			
1					
EBL	295NB	AG339143.471446.339056.471456.	275 4.0 0. 32	19	
1					
EBT	295NB	AG339578.471436.339180.471430.	1015 4.0 0. 44	19	
2					
EBT	295NB	AG339500.471435.339323.471432.	0. 24 2		
110	18	2.0 1015 37.8 1770 1 3			
1					
EBT	295NB	AG339180.471430.339062.471437.	1015 4.0 0. 44	19	
1					
WBL	295SB	AG339071.471466.339146.471457.	280 3.7 0. 32	23	
1					
WBL	295SB	AG339146.471457.339571.471464.	280 3.7 0. 32	23	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	83	2.0 280 37.8 1770 1 3			
1					

WBT	295SB	AG339084.471480.339143.471474.	1705 3.7 0. 44	23
1				
WBT	295SB	AG339143.471474.339575.471481.	1705 3.7 0. 44	23
2				
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2	
110	25	2.0 1705 37.8 1770 1 3		
1				
WBALL	295NB	AG339581.471480.339720.471488.	1925 3.6 0. 68	25
2				
WBALL	295NB	AG339627.471482.339714.471487.	0. 48 4	
110	59	2.0 1925 37.8 1667 1 3		
1				
WBALL	295NB	AG339720.471488.339889.471538.	1925 3.6 0. 68	25
1				
WBALL	295NB	AG339888.471539.340002.471605.	1925 3.6 0. 56	25
1				
WBALL	295NB	AG340002.471605.340116.471683.	1925 3.6 0. 56	25
1				
EBDP	295NB	AG340120.471663.340029.471583.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG340029.471583.339905.471508.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339905.471508.339789.471462.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339789.471462.339706.471443.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339706.471443.339581.471435.	1075 4.0 0. 44	19
1				
NBALL	410&NB	AG339573.471458.339493.470454.	385 3.5 0. 56	35
2				
NBALL	410&NB	AG339569.471399.339547.471137.	0. 36 3	
110	90	2.0 385 37.8 1672 1 3		
1				
NBDP	410&NB	AG339513.472452.339593.471471.	550 3.5 0. 32	35
1.0	04 1000 0Y 5 0 72			

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RUN: S13 MD410&SB 295 LLRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	2750.	5.3	.0	44.0		
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	2750.	5.3	.0	44.0		
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4150.	4.6	.0	44.0		
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4150.	4.6	.0	44.0		
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	25.	3.7	.0	32.0		
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	25.	3.7	.0	32.0		
7. EBL	64th Ave	* 338503.0	471433.0	338489.2	471432.6	*	14.	267. AG	93.	100.0	.0	12.0	.31	.7
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	1270.	4.0	.0	44.0		
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	1270.	3.7	.0	44.0		
10. EBT	64th Ave	* 338497.0	471414.0	338448.4	471413.0	*	49.	269. AG	26.	100.0	.0	24.0	.43	2.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	1975.	4.0	.0	44.0		
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	1975.	4.0	.0	44.0		
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	1900.	4.0	.0	44.0		
14. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	1900.	4.0	.0	44.0		
15. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	280.	3.5	.0	32.0		
16. SBR	410&SB	* 339068.0	471501.0	339070.2	471649.5	*	149.	1. AG	77.	100.0	.0	12.0	.85	7.5
17. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	90.	3.5	.0	44.0		
18. SBL	410&SB	* 339094.0	471500.0	339094.0	471520.4	*	20.	360. AG	153.	100.0	.0	24.0	.13	1.0
19. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	450.	3.5	.0	32.0		
20. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	1360.	3.7	.0	56.0		
21. EB	295SB	* 339025.0	471433.0	338859.1	471428.9	*	166.	269. AG	185.	100.0	.0	36.0	.75	8.4
22. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	1360.	3.7	.0	56.0		
23. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	275.	4.0	.0	32.0		
24. EBL	295NB	* 339502.0	471451.0	339372.2	471448.8	*	130.	269. AG	77.	100.0	.0	12.0	.74	6.6
25. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	275.	4.0	.0	32.0		
26. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1015.	4.0	.0	44.0		
27. EBT	295NB	* 339500.0	471435.0	339450.1	471434.1	*	50.	270. AG	33.	100.0	.0	24.0	.36	2.5
28. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1015.	4.0	.0	44.0		
29. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	280.	3.7	.0	32.0		
30. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	280.	3.7	.0	32.0		
31. WBL	295SB	* 339155.0	471458.0	339288.5	471459.2	*	134.	89. AG	77.	100.0	.0	12.0	.76	6.8
32. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1705.	3.7	.0	44.0		
33. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1705.	3.7	.0	44.0		
34. WBT	295SB	* 339164.0	471475.0	339280.5	471476.5	*	116.	90. AG	46.	100.0	.0	24.0	.65	5.9
35. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	1925.	3.6	.0	68.0		
36. WBALL	295NB	* 339627.0	471482.0	339781.9	471490.9	*	155.	87. AG	218.	100.0	.0	48.0	.68	7.9
37. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	1925.	3.6	.0	68.0		
38. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	1925.	3.6	.0	56.0		
39. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	1925.	3.6	.0	56.0		
40. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	1075.	4.0	.0	44.0		
41. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	1075.	4.0	.0	44.0		
42. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	1075.	4.0	.0	44.0		
43. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	1075.	4.0	.0	44.0		
44. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	1075.	4.0	.0	44.0		

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RUN: S13 MD410&SB 295 LLRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	385.	3.5	.0	56.0		
46. NBALL	410&NB	* 339569.0	471399.0	339563.7	471336.3	*	63.	185. AG	249.	100.0	.0	36.0	.53	3.2
47. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	550.	3.5	.0	32.0		

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	101	2.0	25	1770	37.80	1	3
10. EBT	64th Ave	* 110	14	2.0	1270	1770	37.80	1	3
16. SBR	410&SB	* 110	83	2.0	280	1583	37.80	1	3
18. SBL	410&SB	* 110	83	2.0	90	1717	37.80	1	3
21. EB	295SB	* 110	67	2.0	1360	1695	37.80	1	3
24. EBL	295NB	* 110	83	2.0	275	1770	37.80	1	3
27. EBT	295NB	* 110	18	2.0	1015	1770	37.80	1	3
31. WBL	295SB	* 110	83	2.0	280	1770	37.80	1	3
34. WBT	295SB	* 110	25	2.0	1705	1770	37.80	1	3
36. WBALL	295NB	* 110	59	2.0	1925	1667	37.80	1	3
46. NBALL	410&NB	* 110	90	2.0	385	1672	37.80	1	3



# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.1	.1	.1	.1	.2	.7	.6	.2	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0
5.	*	.4	.3	.2	.2	.2	.2	.7	.6	.3	.3	.2	.4	.3	.2	.2	.1	.0	.1	.0
10.	*	.3	.3	.3	.3	.2	.4	.7	.7	.3	.2	.2	.5	.4	.3	.2	.1	.0	.1	.0
15.	*	.6	.4	.4	.4	.2	.4	.7	.7	.4	.2	.2	.5	.5	.3	.3	.1	.0	.1	.0
20.	*	.7	.5	.4	.5	.4	.4	.8	.7	.5	.2	.2	.5	.5	.3	.3	.2	.1	.2	.1
25.	*	.7	.5	.5	.5	.3	.5	.8	.8	.5	.2	.2	.5	.5	.3	.3	.2	.1	.2	.1
30.	*	.7	.5	.5	.5	.3	.5	.7	.9	.6	.2	.2	.5	.5	.3	.3	.2	.1	.3	.1
35.	*	.7	.5	.5	.5	.3	.4	.7	.9	.6	.3	.2	.5	.5	.3	.3	.2	.1	.4	.1
40.	*	.7	.5	.4	.4	.3	.4	.5	.9	.7	.3	.2	.5	.5	.3	.3	.2	.2	.4	.2
45.	*	.6	.5	.4	.3	.3	.3	.5	.9	.8	.3	.2	.5	.5	.3	.3	.3	.2	.4	.2
50.	*	.6	.5	.5	.3	.3	.3	.5	.8	.9	.4	.3	.5	.5	.3	.3	.3	.2	.4	.2
55.	*	.6	.5	.3	.3	.3	.3	.4	.7	.8	.5	.3	.6	.5	.3	.3	.3	.2	.4	.2
60.	*	.6	.5	.3	.3	.3	.3	.5	.5	.8	.4	.3	.6	.5	.3	.3	.3	.2	.4	.2
65.	*	.7	.5	.3	.3	.3	.3	.5	.5	.8	.4	.3	.6	.5	.3	.3	.3	.2	.4	.2
70.	*	.8	.5	.3	.3	.3	.3	.4	.5	.7	.5	.3	.5	.5	.3	.3	.3	.4	.2	.2
75.	*	.7	.4	.3	.3	.3	.3	.4	.5	.5	.4	.1	.5	.5	.3	.3	.3	.4	.2	.3
80.	*	.7	.4	.3	.3	.3	.3	.3	.5	.5	.4	.1	.7	.4	.3	.3	.3	.4	.3	.3
85.	*	.6	.4	.3	.3	.3	.3	.4	.6	.5	.2	.1	.8	.4	.3	.3	.3	.6	.3	.4
90.	*	.5	.4	.3	.3	.3	.3	.3	.3	.4	.2	.0	.8	.5	.2	.3	.3	.6	.6	.5
95.	*	.5	.4	.3	.3	.3	.3	.3	.2	.3	.1	.0	.8	.5	.2	.3	.3	.5	.6	.7
100.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	1.0	.6	.3	.2	.3	.3	.5	.7
105.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.1	1.0	.6	.3	.2	.3	.3	.6	1.0
110.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	1.0	.6	.3	.3	.3	.6	.8	.9
115.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	.8	.6	.4	.3	.3	.6	.8	1.0
120.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	.7	.6	.5	.3	.3	.6	.8	.9
125.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.1	.6	.6	.5	.3	.3	.5	.8	.9
130.	*	.4	.4	.4	.3	.3	.3	.3	.3	.2	.1	.0	.6	.7	.5	.3	.2	.3	.7	.9
135.	*	.5	.5	.4	.4	.3	.3	.3	.3	.2	.1	.0	.7	.8	.6	.3	.2	.3	.8	.8
140.	*	.5	.5	.5	.4	.3	.2	.3	.3	.2	.1	.0	.6	.6	.6	.3	.3	.8	.9	.8
145.	*	.5	.5	.5	.5	.3	.3	.3	.3	.1	.0	.0	.6	.6	.6	.3	.3	.2	.8	.7
150.	*	.5	.5	.5	.4	.2	.3	.3	.1	.1	.0	.0	.6	.7	.5	.4	.3	.8	.8	.6
155.	*	.5	.5	.5	.4	.2	.2	.3	.1	.1	.0	.0	.6	.6	.6	.5	.3	.8	.7	.5
160.	*	.5	.4	.3	.3	.2	.1	.2	.1	.1	.0	.0	.6	.6	.6	.4	.4	.3	.7	.5
165.	*	.3	.3	.3	.3	.1	.1	.1	.1	.0	.0	.0	.4	.4	.5	.6	.4	.4	.7	.4
170.	*	.3	.3	.3	.2	.1	.0	.1	.1	.0	.0	.0	.4	.4	.4	.5	.2	.3	.8	.4
175.	*	.2	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	.4	.3	.3	.3	.2	.2	.8	.4
180.	*	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.1	.2	.7	.4
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.3	.0	.0	.7	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.1	.0	.0	.6	.3
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.1	.0	.0	.6	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.2	.0	.0	.6	.3
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.0	.6	.4

1

JOB: S13 MD410&SB 295 LLRT AM

RUN: S13 MD410&SB 295 LLRT AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
-------------------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.0	.7	.6	.4	
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.0	.7	.5	.4	
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.7	.5	.4	
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.0	.7	.5	.4	
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.6	.4	.4	
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.6	.4	.4	
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0	.6	.4	.4	
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.6	.4	.5	
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.6	.5	.4	
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.6	.4	.4	
260.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.4	.3	.4	
265.	*	.2	.0	.0	.0	.0	.2	.1	.0	.1	.0	.4	.0	.0	.0	.0	.0	.3	.3	.5	
270.	*	.3	.0	.0	.0	.0	.2	.2	.1	.2	.0	.3	.0	.0	.0	.0	.0	.3	.2	.3	
275.	*	.3	.0	.0	.0	.0	.3	.2	.1	.2	.1	.2	.0	.0	.0	.0	.0	.2	.2	.3	
280.	*	.5	.0	.0	.0	.0	.4	.2	.1	.2	.1	.2	.0	.0	.0	.0	.0	.1	.1	.1	
285.	*	.6	.1	.0	.0	.0	.6	.5	.1	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1	
290.	*	.6	.2	.0	.0	.0	.7	.5	.2	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1	
295.	*	.5	.3	.0	.0	.0	.7	.6	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	
300.	*	.5	.4	.0	.0	.0	.7	.6	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
305.	*	.5	.4	.1	.0	.0	.8	.7	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.4	.4	.1	.0	.0	.8	.7	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.4	.4	.2	.0	.0	.7	.6	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.3	.4	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.3	.4	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.3	.3	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.2	.3	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.2	.3	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.2	.2	.1	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.3	.1	.1	.1	.0	.6	.6	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.4	.1	.1	.1	.1	.6	.6	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	
360.	*	.3	.1	.1	.1	.1	.2	.7	.6	.2	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0	
MAX		.8	.5	.5	.5	.4	.5	.8	.9	.9	.5	.3	1.0	.8	.6	.6	.4	.4	.8	.9	1.0
DEGR.	*	70	20	25	20	20	25	20	30	50	55	50	100	135	135	165	160	165	135	130	105

1

JOB: S13 MD410&SB 295 LLRT AM

RUN: S13 MD410&SB 295 LLRT AM

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#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.1	.0
45.	*	.1	.0
50.	*	.1	.1
55.	*	.1	.1
60.	*	.1	.1
65.	*	.1	.1
70.	*	.1	.2
75.	*	.2	.2
80.	*	.4	.2
85.	*	.4	.2
90.	*	.6	.2
95.	*	.6	.3
100.	*	.6	.3
105.	*	.6	.4
110.	*	.6	.5
115.	*	.5	.5
120.	*	.5	.5
125.	*	.5	.5
130.	*	.4	.4
135.	*	.5	.4
140.	*	.4	.4
145.	*	.3	.4
150.	*	.3	.4
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.4
175.	*	.4	.4
180.	*	.3	.4
185.	*	.3	.4
190.	*	.3	.3
195.	*	.2	.3
200.	*	.3	.3

205. \* .4 .3  
1

JOB: S13 MD410&SB 295 LLRT AM

RUN: S13 MD410&SB 295 LLRT AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

-----\*-----  
210. \* .4 .4  
215. \* .4 .4  
220. \* .4 .4  
225. \* .4 .4  
230. \* .4 .4  
235. \* .4 .4  
240. \* .4 .4  
245. \* .4 .4  
250. \* .5 .4  
255. \* .5 .3  
260. \* .4 .3  
265. \* .2 .3  
270. \* .2 .2  
275. \* .1 .2  
280. \* .1 .1  
285. \* .1 .1  
290. \* .0 .0  
295. \* .0 .0  
300. \* .0 .0  
305. \* .0 .0  
310. \* .0 .0  
315. \* .0 .0  
320. \* .0 .0  
325. \* .0 .0  
330. \* .0 .0  
335. \* .0 .0  
340. \* .0 .0  
345. \* .0 .0  
350. \* .0 .0  
355. \* .0 .0  
360. \* .0 .0  
-----\*-----  
MAX \* .6 .5  
DEGR. \* 90 110

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 100 DEGREES FROM REC12.  
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 105 DEGREES FROM REC20.  
THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 130 DEGREES FROM REC19.

S13 MD410&SB 295 LLRT PM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 LLRT PM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	4350 4.3 0. 44	50	
1					
NB	I295	AG339464.471638.339385.470489.	4350 4.3 0. 44	50	
1					
SB	I295	AG339230.470499.339198.471395.	4000 4.8 0. 44	58	
1					
SB	I295	AG339198.471395.339198.472460.	4000 4.8 0. 44	58	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	90 3.9 0. 32	20	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	90 3.9 0. 32	23	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
100	88	2.0 90 37.8 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	2040 3.9 0. 44	19	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	2040 3.9 0. 44	23	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
100	9	2.0 2040 37.8 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	1980 4.0 0. 44	19	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	1980 4.0 0. 44	19	
1					
WB	64th Ave	AG338591.471461.338706.471469.	1920 4.0 0. 44	19	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
100	20	2.0 1920 37.8 1757 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	1920 4.0 0. 44	19	
1					
SBR	410&SB	AG339068.471452.339082.472350.	350 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
100	76	2.0 350 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	200 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
100	76	2.0 200 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	650 3.5 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	2115 3.9 0. 56	23	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
100	59	2.0 2115 37.8 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	2115 3.9 0. 56	23	
1					
WBL	295SB	AG339071.471466.339146.471457.	305 4.0 0. 32	23	
1					
WBL	295SB	AG339146.471457.339571.471464.	305 4.0 0. 32	23	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
100	77	2.0 305 37.8 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1670 4.0 0. 44	23	
1					
WBT	295SB	AG339143.471474.339575.471481.	1670 4.0 0. 44	23	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
100	20	2.0 1670 37.8 1770 1 3			
1					
WBALL	295NB	AG339581.471480.339720.471488.	1780 3.6 0. 68	25	
2					
WBALL	295NB	AG339627.471482.339714.471487.	0. 48 4		
100	58	2.0 1780 37.8 1667 1 3			

[illegible]

JOB: S13 MD410&SB 295 LLRT PM  
DATE: 10/23/2007 TIME: 15:58:06.11

RUN: S13 MD410&SB 295 LLRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4350.	4.3	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4350.	4.3	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4000.	4.8	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4000.	4.8	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	90.	3.9	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	90.	3.9	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338457.0	471431.6	*	46.	268. AG	89.	100.0	.0	12.0	.64 2.3
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	2040.	3.9	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	2040.	3.9	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338446.8	471413.0	*	50.	269. AG	18.	100.0	.0	24.0	.66 2.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	1980.	4.0	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	1980.	4.0	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	1920.	4.0	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338743.6	471472.5	*	105.	85. AG	41.	100.0	.0	24.0	.72 5.3
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	1920.	4.0	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	350.	3.5	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339076.5	472077.0	*	576.	1. AG	77.	100.0	.0	12.0	1.11 29.3
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	200.	3.5	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471541.6	*	42.	360. AG	154.	100.0	.0	24.0	.29 2.1
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	650.	3.5	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	2115.	3.9	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	337893.1	471405.0	*	1132.	269. AG	179.	100.0	.0	36.0	1.12 57.5
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	2115.	3.9	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	305.	4.0	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	305.	4.0	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339322.7	471459.4	*	168.	90. AG	78.	100.0	.0	12.0	.91 8.5
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1670.	4.0	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1670.	4.0	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339255.3	471476.2	*	91.	89. AG	41.	100.0	.0	24.0	.62 4.6
30. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	1780.	3.6	.0	68.0	
31. WBALL	295NB	* 339627.0	471482.0	339767.9	471490.1	*	141.	87. AG	235.	100.0	.0	48.0	.70 7.2
32. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	1780.	3.6	.0	68.0	
33. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	1780.	3.6	.0	56.0	
34. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	1780.	3.6	.0	56.0	
35. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	175.	3.6	.0	32.0	
36. EBL	295NB	* 339502.0	471451.0	339413.3	471449.5	*	89.	269. AG	84.	100.0	.0	12.0	.76 4.5
37. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	175.	3.6	.0	32.0	
38. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1800.	3.6	.0	44.0	
39. EBT	295NB	* 339500.0	471435.0	339411.5	471433.5	*	89.	269. AG	37.	100.0	.0	24.0	.65 4.5
40. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1800.	3.6	.0	44.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	2040.	4.0	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	2040.	4.0	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	2040.	4.0	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	2040.	4.0	.0	44.0	

JOB: S13 MD410&SB 295 LLRT PM  
DATE: 10/23/2007 TIME: 15:58:06.11

RUN: S13 MD410&SB 295 LLRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	2040.	4.0	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	575.	3.5	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339561.7	471312.4	*	87.	185. AG	243.	100.0	.0	36.0	.69 4.4
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	325.	3.5	.0	32.0	

JOB: S13 MD410&SB 295 LLRT PM  
DATE: 10/23/2007 TIME: 15:58:06.11

RUN: S13 MD410&SB 295 LLRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 100	88	2.0	90	1770	37.80	1	3
10. EBT	64th Ave	* 100	9	2.0	2040	1770	37.80	1	3
14. WB	64th Ave	* 100	20	2.0	1920	1757	37.80	1	3
17. SBR	410&SB	* 100	76	2.0	350	1583	37.80	1	3
19. SBL	410&SB	* 100	76	2.0	200	1717	37.80	1	3
22. EB	295SB	* 100	59	2.0	2115	1695	37.80	1	3
26. WBL	295SB	* 100	77	2.0	305	1770	37.80	1	3
29. WBT	295SB	* 100	20	2.0	1670	1770	37.80	1	3
31. WBALL	295NB	* 100	58	2.0	1780	1667	37.80	1	3
36. EBL	295NB	* 100	83	2.0	175	1770	37.80	1	3

39. EBT	295NB	*	100	18	2.0	1800	1770	37.80	1	3
47. NBALL	410&NB	*	100	80	2.0	575	1723	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)			*
	X	Y	Z	
1. SW COR	339072.0	471389.0	5.0	*
2. SW 82S	339073.0	471321.0	5.0	*
3. SW 164S	339074.0	471238.0	5.0	*
4. SW 256S	339074.0	471157.0	5.0	*
5. SW MIDS	339075.0	470977.0	5.0	*
6. SW MIDS	339093.0	470795.0	5.0	*
7. SW 82W	339003.0	471390.0	5.0	*
8. SW 164W	338944.0	471389.0	5.0	*
9. SW 256W	338840.0	471385.0	5.0	*
10. SW MIDW	338592.0	471371.0	5.0	*
11. SW MIDW	338329.0	471366.0	5.0	*
12. NW COR	339050.0	471507.0	5.0	*
13. NW 82N	339052.0	471578.0	5.0	*
14. NW 164N	339054.0	471661.0	5.0	*
15. NW 256N	339057.0	471742.0	5.0	*
16. NW MIDN	339054.0	472002.0	5.0	*
17. NW MIDN	339055.0	472232.0	5.0	*
18. NW 82W	338979.0	471504.0	5.0	*
19. NW 164W	338897.0	471500.0	5.0	*
20. NW 256W	338814.0	471495.0	5.0	*
21. NW MIDW	338527.0	471482.0	5.0	*
22. NW MIDW	338324.0	471473.0	5.0	*

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JOB: S13 MD410&SB 295 LLRT PM

RUN: S13 MD410&SB 295 LLRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (PPM)																				
(DEGR) * REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
0. *	.5	.4	.3	.2	.1	.3	.9	.7	.7	.8	.7	.4	.4	.4	.4	.1	.0	.0	.0	.0
5. *	.6	.5	.4	.3	.3	.3	.9	.7	.7	.7	.7	.4	.4	.4	.5	.2	.0	.1	.0	.0
10. *	.7	.5	.3	.3	.3	.4	.8	.8	.7	.7	.7	.6	.6	.6	.5	.3	.0	.2	.0	.0
15. *	.8	.6	.5	.5	.4	.5	.9	.9	.8	.7	.7	.6	.6	.6	.6	.3	.0	.2	.1	.0
20. *	.8	.6	.4	.5	.5	.6	.9	.9	.8	.7	.7	.6	.6	.6	.6	.4	.1	.3	.1	.1
25. *	.7	.6	.5	.5	.5	.5	.9	1.0	.8	.7	.7	.7	.7	.7	.6	.5	.1	.3	.1	.1
30. *	.8	.6	.5	.5	.5	.5	.9	1.1	.8	.7	.7	.7	.7	.7	.7	.5	.1	.4	.2	.1
35. *	.8	.6	.5	.5	.4	.5	.8	1.1	.9	.8	.7	.7	.6	.7	.7	.4	.1	.4	.3	.1
40. *	.9	.6	.5	.5	.4	.5	.6	1.1	.9	.8	.7	.7	.6	.6	.7	.4	.2	.4	.3	.2
45. *	.8	.5	.8	.4	.4	.4	.7	1.0	1.0	.8	.7	.6	.6	.6	.7	.5	.2	.4	.3	.2
50. *	.7	.8	.7	.4	.4	.4	.6	.9	1.0	1.1	.8	.7	.5	.5	.6	.5	.2	.4	.3	.2
55. *	.7	.6	.5	.4	.4	.4	.5	.8	1.1	1.1	.8	.7	.5	.5	.5	.5	.2	.4	.3	.2
60. *	.8	.6	.5	.4	.4	.4	.5	.7	1.0	.9	.9	.7	.5	.5	.5	.5	.2	.4	.3	.3
65. *	.8	.6	.4	.4	.4	.4	.6	.6	.8	.8	.9	.7	.5	.5	.5	.5	.3	.4	.3	.3
70. *	.8	.7	.4	.4	.4	.4	.6	.8	.8	.9	.9	.7	.5	.5	.5	.5	.3	.6	.3	.2
75. *	.8	.5	.4	.4	.4	.4	.6	.6	.7	.9	.8	.7	.5	.5	.5	.5	.3	.5	.2	.3
80. *	.8	.5	.4	.4	.4	.4	.5	.7	.7	.7	.5	.8	.5	.5	.5	.5	.3	.6	.3	.3
85. *	.6	.4	.4	.4	.4	.4	.6	.7	.5	.4	.4	.8	.5	.5	.5	.5	.3	.7	.5	.5
90. *	.5	.4	.4	.4	.4	.4	.4	.5	.4	.4	.4	.9	.5	.5	.5	.5	.3	.7	.6	.6
95. *	.6	.4	.4	.4	.4	.4	.4	.2	.4	.4	.2	1.0	.5	.5	.5	.5	.3	.7	.6	.8
100. *	.4	.4	.4	.4	.4	.4	.2	.2	.2	.3	.1	1.0	.6	.5	.5	.5	.3	.6	.8	.9
105. *	.4	.4	.4	.4	.4	.4	.2	.2	.2	.2	.2	1.0	.6	.5	.5	.5	.3	.8	.8	1.0
110. *	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.2	1.0	.7	.5	.5	.5	.3	.9	.8	.9
115. *	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.2	1.1	.8	.6	.5	.5	.3	.7	.8	1.1
120. *	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.2	.1	.9	.8	.6	.5	.5	.3	.8	1.1
125. *	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.2	.1	.6	.8	.6	.5	.5	.3	.7	.8
130. *	.4	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.6	.9	.6	.5	.5	.3	.8	1.0	1.0
135. *	.5	.5	.4	.4	.4	.4	.3	.3	.2	.1	.0	.7	.8	.7	.7	.5	.3	.8	1.0	1.0
140. *	.5	.5	.5	.4	.4	.4	.3	.3	.2	.1	.0	.6	.8	.8	.7	.5	.3	.8	1.0	1.0
145. *	.5	.5	.5	.5	.4	.3	.3	.3	.2	.0	.0	.6	.9	.7	.7	.5	.3	.8	1.0	1.0
150. *	.5	.5	.5	.5	.4	.3	.3	.2	.1	.0	.0	.6	1.0	.7	.8	.6	.3	.8	1.0	.9
155. *	.5	.5	.5	.4	.3	.3	.3	.1	.1	.0	.0	.6	.9	.8	.8	.6	.4	.8	.8	.9
160. *	.5	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	.7	.8	.9	.7	.7	.4	.7	.8	.9
165. *	.3	.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.6	.8	.7	.8	.7	.6	.8	.8	.8
170. *	.3	.3	.3	.2	.2	.1	.1	.1	.0	.0	.0	.7	.6	.6	.7	.6	.6	.9	.8	.8
175. *	.2	.2	.2	.2	.1	.0	.1	.0	.0	.0	.0	.6	.3	.4	.4	.5	.3	.9	.8	.8
180. *	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.3	.3	.8	.8	.8
185. *	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.5	.1	.1	.8	.8	.8
190. *	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.2	.2	.1	.7	.7	.8
195. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.2	.2	.0	.7	.7	.7
200. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.3	.1	.1	.7	.7	.7
205. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.3	.1	.1	.8	.8	.8

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JOB: S13 MD410&SB 295 LLRT PM

RUN: S13 MD410&SB 295 LLRT PM

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# WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.1	.8	.8	.8
215.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.1	.8	.8	.8
220.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.1	.1	.1	.8	.8	.8
225.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.1	.1	.1	.8	.8	.8
230.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.4	.1	.1	.0	.8	.8	.9
235.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.1	.1	.0	.8	.9	.8
240.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.4	.2	.1	.1	.0	1.0	.9	.8
245.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.4	.2	.1	.0	.0	1.0	.9	1.0
250.	.1	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	1.0	.4	.1	.1	.0	.0	.9	.9	1.0
255.	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.9	.3	.1	.1	.0	.0	.9	.8	1.0
260.	.3	.0	.0	.0	.0	.0	.3	.3	.2	.2	.1	.8	.2	.1	.0	.0	.0	.7	.7	.9
265.	.4	.1	.0	.0	.0	.0	.4	.4	.4	.3	.3	.7	.1	.1	.0	.0	.0	.7	.6	.8
270.	.6	.1	.1	.0	.0	.0	.6	.5	.5	.5	.3	.6	.1	.0	.0	.0	.0	.5	.4	.5
275.	.7	.2	.1	.0	.0	.0	.7	.7	.6	.6	.4	.3	.0	.0	.0	.0	.0	.3	.3	.4
280.	.8	.3	.1	.1	.0	.0	.8	.7	.7	.7	.5	.3	.0	.0	.0	.0	.0	.2	.2	.2
285.	.8	.4	.2	.1	.0	.0	1.0	1.0	.7	.9	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
290.	.8	.4	.2	.1	.1	.0	.9	1.0	.8	.8	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
295.	.7	.5	.2	.1	.1	.0	.9	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1
300.	.7	.5	.3	.1	.1	.0	.9	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	.6	.4	.3	.1	.1	.1	.9	.9	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	.5	.4	.3	.1	.1	.1	.9	.9	.8	.9	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	.5	.4	.4	.2	.1	.1	.8	.8	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	.4	.4	.4	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	.4	.4	.3	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	.3	.3	.3	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	.2	.3	.3	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	.3	.3	.3	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	.4	.3	.2	.1	.1	.0	.7	.7	.7	.6	.7	.1	.1	.1	.1	.0	.0	.0	.0	.0
350.	.4	.3	.1	.1	.1	.0	.7	.7	.7	.7	.7	.1	.1	.1	.1	.0	.0	.0	.0	.0
355.	.4	.2	.2	.1	.1	.1	.7	.7	.7	.7	.7	.2	.2	.2	.3	.0	.0	.0	.0	.0
360.	.5	.4	.3	.2	.1	.3	.9	.7	.7	.8	.7	.4	.4	.4	.4	.1	.0	.0	.0	.0
MAX	.9	.8	.8	.5	.5	.6	1.0	1.1	1.1	1.1	.9	1.1	1.0	.9	.8	.7	.6	1.0	1.0	1.1
DEGR.	40	50	45	15	20	20	285	30	55	50	60	115	150	160	150	160	165	240	130	115

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JOB: S13 MD410&SB 295 LLRT PM

RUN: S13 MD410&SB 295 LLRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.1	.0
45.	.1	.0
50.	.1	.1
55.	.1	.1
60.	.2	.1
65.	.1	.1
70.	.1	.2
75.	.2	.3
80.	.5	.3
85.	.6	.4
90.	.7	.5
95.	.8	.7
100.	1.0	.8
105.	1.2	.8
110.	1.1	.9
115.	1.1	.9
120.	1.2	.9
125.	1.1	1.0
130.	.9	.9
135.	1.0	.9
140.	.8	.9
145.	.6	.8
150.	.6	.8
155.	.6	.7
160.	.6	.7
165.	.6	.7
170.	.6	.8
175.	.7	.8
180.	.6	.8
185.	.6	.8
190.	.7	.7



195. \* .7 .7  
200. \* .7 .7  
205. \* .8 .7

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JOB: S13 MD410&SB 295 LLRT PM

RUN: S13 MD410&SB 295 LLRT PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

210.	*	.8 .8
215.	*	.8 .9
220.	*	.9 .9
225.	*	1.0 .9
230.	*	1.0 .9
235.	*	1.0 .9
240.	*	1.0 .8
245.	*	.9 .8
250.	*	1.0 .8
255.	*	.9 .8
260.	*	.7 .7
265.	*	.6 .5
270.	*	.5 .4
275.	*	.2 .3
280.	*	.2 .2
285.	*	.1 .1
290.	*	.0 .1
295.	*	.0 .0
300.	*	.0 .0
305.	*	.0 .0
310.	*	.0 .0
315.	*	.0 .0
320.	*	.0 .0
325.	*	.0 .0
330.	*	.0 .0
335.	*	.0 .0
340.	*	.0 .0
345.	*	.0 .0
350.	*	.0 .0
355.	*	.0 .0
360.	*	.0 .0

-----\*-----  
MAX \* 1.2 1.0  
DEGR. \* 105 125

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 105 DEGREES FROM REC21.  
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 115 DEGREES FROM REC12.  
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 30 DEGREES FROM REC8 .

S13 MD410&SB 295 HLRT AM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 HLRT AM			47 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	2750 5.3 0. 44	65	
1					
NB	I295	AG339464.471638.339385.470489.	2750 5.3 0. 44	65	
1					
SB	I295	AG339230.470499.339198.471395.	4150 4.6 0. 44	65	
1					
SB	I295	AG339198.471395.339198.472460.	4150 4.6 0. 44	65	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	25 3.7 0. 32	23	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	25 3.7 0. 32	23	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	101	2.0 25 37.8 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	1270 4.0 0. 44	19	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	1270 3.7 0. 44	23	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	14	2.0 1270 37.8 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	1975 4.0 0. 44	19	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	1975 4.0 0. 44	19	
1					
WB	64th Ave	AG338591.471461.338706.471469.	1900 4.0 0. 44	19	
1					
WB	64th Ave	AG338706.471469.339066.471484.	1900 4.0 0. 44	19	
1					
SBR	410&SB	AG339068.471452.339082.472350.	280 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	83	2.0 280 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	90 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	83	2.0 90 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	450 3.5 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	1360 3.7 0. 56	23	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	67	2.0 1360 37.8 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	1360 3.7 0. 56	23	
1					
EBL	295NB	AG339581.471452.339143.471446.	275 4.0 0. 32	19	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	83	2.0 275 37.8 1770 1 3			
1					
EBL	295NB	AG339143.471446.339056.471456.	275 4.0 0. 32	19	
1					
EBT	295NB	AG339578.471436.339180.471430.	1015 4.0 0. 44	19	
2					
EBT	295NB	AG339500.471435.339323.471432.	0. 24 2		
110	18	2.0 1015 37.8 1770 1 3			
1					
EBT	295NB	AG339180.471430.339062.471437.	1015 4.0 0. 44	19	
1					
WBL	295SB	AG339071.471466.339146.471457.	280 3.7 0. 32	23	
1					
WBL	295SB	AG339146.471457.339571.471464.	280 3.7 0. 32	23	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	83	2.0 280 37.8 1770 1 3			
1					

WBT	295SB	AG339084.471480.339143.471474.	1705 3.7 0. 44	23
1				
WBT	295SB	AG339143.471474.339575.471481.	1705 3.7 0. 44	23
2				
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2	
110	25	2.0 1705 37.8 1770 1 3		
1				
WBALL	295NB	AG339581.471480.339720.471488.	1925 3.6 0. 68	25
2				
WBALL	295NB	AG339627.471482.339714.471487.	0. 48 4	
110	59	2.0 1925 37.8 1667 1 3		
1				
WBALL	295NB	AG339720.471488.339889.471538.	1925 3.6 0. 68	25
1				
WBALL	295NB	AG339888.471539.340002.471605.	1925 3.6 0. 56	25
1				
WBALL	295NB	AG340002.471605.340116.471683.	1925 3.6 0. 56	25
1				
EBDP	295NB	AG340120.471663.340029.471583.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG340029.471583.339905.471508.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339905.471508.339789.471462.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339789.471462.339706.471443.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339706.471443.339581.471435.	1075 4.0 0. 44	19
1				
NBALL	410&NB	AG339573.471458.339493.470454.	385 3.5 0. 56	35
2				
NBALL	410&NB	AG339569.471399.339547.471137.	0. 36 3	
110	90	2.0 385 37.8 1672 1 3		
1				
NBDP	410&NB	AG339513.472452.339593.471471.	550 3.5 0. 32	35
1.0	04 1000 0Y 5 0 72			

JOB: S13 MD410&SB 295 HLRT AM  
DATE: 10/23/2007 TIME: 22:24:03.86

RUN: S13 MD410&SB 295 HLRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	2750.	5.3	.0	44.0		
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	2750.	5.3	.0	44.0		
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4150.	4.6	.0	44.0		
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4150.	4.6	.0	44.0		
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	25.	3.7	.0	32.0		
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	25.	3.7	.0	32.0		
7. EBL	64th Ave	* 338503.0	471433.0	338489.2	471432.6	*	14.	267. AG	93.	100.0	.0	12.0	.31	.7
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	1270.	4.0	.0	44.0		
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	1270.	3.7	.0	44.0		
10. EBT	64th Ave	* 338497.0	471414.0	338448.4	471413.0	*	49.	269. AG	26.	100.0	.0	24.0	.43	2.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	1975.	4.0	.0	44.0		
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	1975.	4.0	.0	44.0		
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	1900.	4.0	.0	44.0		
14. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	1900.	4.0	.0	44.0		
15. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	280.	3.5	.0	32.0		
16. SBR	410&SB	* 339068.0	471501.0	339070.2	471649.5	*	149.	1. AG	77.	100.0	.0	12.0	.85	7.5
17. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	90.	3.5	.0	44.0		
18. SBL	410&SB	* 339094.0	471500.0	339094.0	471520.4	*	20.	360. AG	153.	100.0	.0	24.0	.13	1.0
19. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	450.	3.5	.0	32.0		
20. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	1360.	3.7	.0	56.0		
21. EB	295SB	* 339025.0	471433.0	338859.1	471428.9	*	166.	269. AG	185.	100.0	.0	36.0	.75	8.4
22. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	1360.	3.7	.0	56.0		
23. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	275.	4.0	.0	32.0		
24. EBL	295NB	* 339502.0	471451.0	339372.2	471448.8	*	130.	269. AG	77.	100.0	.0	12.0	.74	6.6
25. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	275.	4.0	.0	32.0		
26. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1015.	4.0	.0	44.0		
27. EBT	295NB	* 339500.0	471435.0	339450.1	471434.1	*	50.	270. AG	33.	100.0	.0	24.0	.36	2.5
28. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1015.	4.0	.0	44.0		
29. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	280.	3.7	.0	32.0		
30. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	280.	3.7	.0	32.0		
31. WBL	295SB	* 339155.0	471458.0	339288.5	471459.2	*	134.	89. AG	77.	100.0	.0	12.0	.76	6.8
32. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1705.	3.7	.0	44.0		
33. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1705.	3.7	.0	44.0		
34. WBT	295SB	* 339164.0	471475.0	339280.5	471476.5	*	116.	90. AG	46.	100.0	.0	24.0	.65	5.9
35. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	1925.	3.6	.0	68.0		
36. WBALL	295NB	* 339627.0	471482.0	339781.9	471490.9	*	155.	87. AG	218.	100.0	.0	48.0	.68	7.9
37. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	1925.	3.6	.0	68.0		
38. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	1925.	3.6	.0	56.0		
39. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	1925.	3.6	.0	56.0		
40. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	1075.	4.0	.0	44.0		
41. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	1075.	4.0	.0	44.0		
42. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	1075.	4.0	.0	44.0		
43. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	1075.	4.0	.0	44.0		
44. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	1075.	4.0	.0	44.0		

JOB: S13 MD410&SB 295 HLRT AM  
DATE: 10/23/2007 TIME: 22:24:03.86

RUN: S13 MD410&SB 295 HLRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	385.	3.5	.0	56.0		
46. NBALL	410&NB	* 339569.0	471399.0	339563.7	471336.3	*	63.	185. AG	249.	100.0	.0	36.0	.53	3.2
47. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	550.	3.5	.0	32.0		

JOB: S13 MD410&SB 295 HLRT AM  
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RUN: S13 MD410&SB 295 HLRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	101	2.0	25	1770	37.80	1	3
10. EBT	64th Ave	* 110	14	2.0	1270	1770	37.80	1	3
16. SBR	410&SB	* 110	83	2.0	280	1583	37.80	1	3
18. SBL	410&SB	* 110	83	2.0	90	1717	37.80	1	3
21. EB	295SB	* 110	67	2.0	1360	1695	37.80	1	3
24. EBL	295NB	* 110	83	2.0	275	1770	37.80	1	3
27. EBT	295NB	* 110	18	2.0	1015	1770	37.80	1	3
31. WBL	295SB	* 110	83	2.0	280	1770	37.80	1	3
34. WBT	295SB	* 110	25	2.0	1705	1770	37.80	1	3
36. WBALL	295NB	* 110	59	2.0	1925	1667	37.80	1	3
46. NBALL	410&NB	* 110	90	2.0	385	1672	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

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JOB: S13 MD410&SB 295 HLRT AM

RUN: S13 MD410&SB 295 HLRT AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.1	.1	.1	.1	.2	.7	.6	.2	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0
5.	*	.4	.3	.2	.2	.2	.7	.6	.3	.3	.2	.4	.3	.2	.2	.1	.0	.1	.0	.0
10.	*	.3	.3	.3	.3	.2	.4	.7	.7	.3	.2	.2	.5	.4	.3	.2	.1	.0	.1	.0
15.	*	.6	.4	.4	.4	.2	.4	.7	.7	.4	.2	.2	.5	.5	.3	.3	.1	.0	.1	.0
20.	*	.7	.5	.4	.5	.4	.4	.8	.7	.5	.2	.2	.5	.5	.3	.3	.2	.1	.2	.1
25.	*	.7	.5	.5	.5	.3	.5	.8	.8	.5	.2	.2	.5	.5	.3	.3	.2	.1	.2	.1
30.	*	.7	.5	.5	.5	.3	.5	.7	.9	.6	.2	.2	.5	.5	.3	.3	.2	.1	.3	.1
35.	*	.7	.5	.5	.5	.3	.4	.7	.9	.6	.3	.2	.5	.5	.3	.3	.2	.1	.4	.1
40.	*	.7	.5	.4	.4	.3	.4	.5	.9	.7	.3	.2	.5	.5	.3	.3	.2	.2	.4	.2
45.	*	.6	.5	.4	.3	.3	.3	.5	.9	.8	.3	.2	.5	.5	.3	.3	.3	.2	.4	.2
50.	*	.6	.5	.5	.3	.3	.3	.5	.8	.9	.4	.3	.5	.5	.3	.3	.3	.2	.4	.2
55.	*	.6	.5	.3	.3	.3	.3	.4	.7	.8	.5	.3	.6	.5	.3	.3	.3	.2	.4	.2
60.	*	.6	.5	.3	.3	.3	.3	.5	.5	.8	.4	.3	.6	.5	.3	.3	.3	.2	.4	.2
65.	*	.7	.5	.3	.3	.3	.3	.5	.5	.8	.4	.3	.6	.5	.3	.3	.3	.2	.4	.2
70.	*	.8	.5	.3	.3	.3	.3	.4	.5	.7	.5	.3	.5	.5	.3	.3	.3	.3	.4	.2
75.	*	.7	.4	.3	.3	.3	.3	.4	.5	.5	.4	.1	.5	.5	.3	.3	.3	.3	.4	.2
80.	*	.7	.4	.3	.3	.3	.3	.3	.5	.5	.4	.1	.7	.4	.3	.3	.3	.3	.4	.3
85.	*	.6	.4	.3	.3	.3	.3	.4	.6	.5	.2	.1	.8	.4	.3	.3	.3	.3	.6	.3
90.	*	.5	.4	.3	.3	.3	.3	.3	.3	.4	.2	.0	.8	.5	.2	.3	.3	.3	.6	.5
95.	*	.5	.4	.3	.3	.3	.3	.3	.2	.3	.1	.0	.8	.5	.2	.3	.3	.3	.5	.6
100.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	1.0	.6	.3	.2	.3	.3	.5	.7
105.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.1	1.0	.6	.3	.2	.3	.3	.6	.7
110.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	1.0	.6	.3	.3	.3	.3	.6	.9
115.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	.8	.6	.4	.3	.3	.3	.6	1.0
120.	*	.4	.4	.3	.3	.3	.3	.3	.2	.2	.1	.1	.7	.6	.5	.3	.3	.3	.6	.9
125.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.1	.6	.6	.5	.3	.3	.3	.5	.8
130.	*	.4	.4	.4	.3	.3	.3	.3	.3	.2	.1	.0	.6	.7	.5	.3	.2	.3	.7	.9
135.	*	.5	.5	.4	.4	.3	.3	.3	.3	.2	.1	.0	.7	.8	.6	.3	.2	.3	.8	.8
140.	*	.5	.5	.5	.4	.3	.2	.3	.3	.2	.1	.0	.6	.6	.6	.3	.3	.3	.8	.8
145.	*	.5	.5	.5	.5	.3	.3	.3	.3	.1	.0	.0	.6	.6	.6	.3	.3	.2	.8	.7
150.	*	.5	.5	.5	.4	.2	.3	.3	.1	.1	.0	.0	.6	.7	.5	.4	.3	.3	.8	.6
155.	*	.5	.5	.5	.4	.2	.2	.3	.1	.1	.0	.0	.6	.6	.6	.5	.3	.3	.8	.5
160.	*	.5	.4	.3	.3	.2	.1	.2	.1	.1	.0	.0	.6	.6	.6	.4	.4	.3	.7	.5
165.	*	.3	.3	.3	.3	.1	.1	.1	.1	.0	.0	.0	.4	.4	.5	.6	.4	.4	.7	.4
170.	*	.3	.3	.3	.2	.1	.0	.1	.1	.0	.0	.0	.4	.4	.4	.5	.2	.3	.8	.4
175.	*	.2	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	.4	.3	.3	.3	.2	.2	.8	.4
180.	*	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.1	.2	.7	.4
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.3	.0	.0	.7	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.1	.0	.0	.6	.3
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.1	.0	.0	.6	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.2	.0	.0	.6	.3
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.0	.6	.4

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JOB: S13 MD410&SB 295 HLRT AM

RUN: S13 MD410&SB 295 HLRT AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
-------------------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.0	.7	.6	.4	
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.0	.7	.5	.4	
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.7	.5	.4	
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.0	.7	.5	.4	
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.6	.4	.4	
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.6	.4	.4	
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0	.6	.4	.4	
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.6	.4	.5	
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.6	.5	.4	
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.6	.4	.4	
260.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.4	.3	.4	
265.	*	.2	.0	.0	.0	.0	.2	.1	.0	.1	.0	.4	.0	.0	.0	.0	.0	.3	.3	.5	
270.	*	.3	.0	.0	.0	.0	.2	.2	.1	.2	.0	.3	.0	.0	.0	.0	.0	.3	.2	.3	
275.	*	.3	.0	.0	.0	.0	.3	.2	.1	.2	.1	.2	.0	.0	.0	.0	.0	.2	.2	.3	
280.	*	.5	.0	.0	.0	.0	.4	.2	.1	.2	.1	.2	.0	.0	.0	.0	.0	.1	.1	.1	
285.	*	.6	.1	.0	.0	.0	.6	.5	.1	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1	
290.	*	.6	.2	.0	.0	.0	.7	.5	.2	.3	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1	
295.	*	.5	.3	.0	.0	.0	.7	.6	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	
300.	*	.5	.4	.0	.0	.0	.7	.6	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
305.	*	.5	.4	.1	.0	.0	.8	.7	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.4	.4	.1	.0	.0	.8	.7	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.4	.4	.2	.0	.0	.7	.6	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.3	.4	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.3	.4	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.3	.3	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.2	.3	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.2	.3	.2	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.2	.2	.1	.1	.0	.6	.6	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.3	.1	.1	.1	.0	.6	.6	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.4	.1	.1	.1	.1	.6	.6	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	
360.	*	.3	.1	.1	.1	.1	.2	.7	.6	.2	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0	
MAX		.8	.5	.5	.5	.4	.5	.8	.9	.9	.5	.3	1.0	.8	.6	.6	.4	.4	.8	.9	1.0
DEGR.	*	70	20	25	20	20	25	20	30	50	55	50	100	135	135	165	160	165	135	130	105

1

JOB: S13 MD410&SB 295 HLRT AM

RUN: S13 MD410&SB 295 HLRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.1	.0
45.	*	.1	.0
50.	*	.1	.1
55.	*	.1	.1
60.	*	.1	.1
65.	*	.1	.1
70.	*	.1	.2
75.	*	.2	.2
80.	*	.4	.2
85.	*	.4	.2
90.	*	.6	.2
95.	*	.6	.3
100.	*	.6	.3
105.	*	.6	.4
110.	*	.6	.5
115.	*	.5	.5
120.	*	.5	.5
125.	*	.5	.5
130.	*	.4	.4
135.	*	.5	.4
140.	*	.4	.4
145.	*	.3	.4
150.	*	.3	.4
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.4
175.	*	.4	.4
180.	*	.3	.4
185.	*	.3	.4
190.	*	.3	.3
195.	*	.2	.3
200.	*	.3	.3

205. \* .4 .3  
1

JOB: S13 MD410&SB 295 HLRT AM

RUN: S13 MD410&SB 295 HLRT AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

-----\*-----  
210. \* .4 .4  
215. \* .4 .4  
220. \* .4 .4  
225. \* .4 .4  
230. \* .4 .4  
235. \* .4 .4  
240. \* .4 .4  
245. \* .4 .4  
250. \* .5 .4  
255. \* .5 .3  
260. \* .4 .3  
265. \* .2 .3  
270. \* .2 .2  
275. \* .1 .2  
280. \* .1 .1  
285. \* .1 .1  
290. \* .0 .0  
295. \* .0 .0  
300. \* .0 .0  
305. \* .0 .0  
310. \* .0 .0  
315. \* .0 .0  
320. \* .0 .0  
325. \* .0 .0  
330. \* .0 .0  
335. \* .0 .0  
340. \* .0 .0  
345. \* .0 .0  
350. \* .0 .0  
355. \* .0 .0  
360. \* .0 .0  
-----\*-----  
MAX \* .6 .5  
DEGR. \* 90 110

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 100 DEGREES FROM REC12.  
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 105 DEGREES FROM REC20.  
THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 130 DEGREES FROM REC19.

S13 MD410&SB 295 HLRT PM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 HLRT PM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	4350 4.3 0. 44	50	
1					
NB	I295	AG339464.471638.339385.470489.	4350 4.3 0. 44	50	
1					
SB	I295	AG339230.470499.339198.471395.	4000 4.8 0. 44	58	
1					
SB	I295	AG339198.471395.339198.472460.	4000 4.8 0. 44	58	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	90 3.9 0. 32	20	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	90 3.9 0. 32	23	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
100	88	2.0 90 37.8 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	2040 3.9 0. 44	19	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	2040 3.9 0. 44	23	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
100	9	2.0 2040 37.8 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	1980 4.0 0. 44	19	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	1980 4.0 0. 44	19	
1					
WB	64th Ave	AG338591.471461.338706.471469.	1920 4.0 0. 44	19	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
100	20	2.0 1920 37.8 1757 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	1920 4.0 0. 44	19	
1					
SBR	410&SB	AG339068.471452.339082.472350.	350 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
100	76	2.0 350 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	200 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
100	76	2.0 200 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	650 3.5 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	2115 3.9 0. 56	23	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
100	59	2.0 2115 37.8 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	2115 3.9 0. 56	23	
1					
WBL	295SB	AG339071.471466.339146.471457.	305 4.0 0. 32	23	
1					
WBL	295SB	AG339146.471457.339571.471464.	305 4.0 0. 32	23	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
100	77	2.0 305 37.8 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1670 4.0 0. 44	23	
1					
WBT	295SB	AG339143.471474.339575.471481.	1670 4.0 0. 44	23	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
100	20	2.0 1670 37.8 1770 1 3			
1					
WBALL	295NB	AG339581.471480.339720.471488.	1780 3.6 0. 68	25	
2					
WBALL	295NB	AG339627.471482.339714.471487.	0. 48 4		
100	58	2.0 1780 37.8 1667 1 3			



[illegible]

JOB: S13 MD410&SB 295 HLRT PM  
DATE: 10/23/2007 TIME: 22:31:24.74

RUN: S13 MD410&SB 295 HLRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4350.	4.3	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4350.	4.3	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4000.	4.8	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4000.	4.8	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	90.	3.9	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	90.	3.9	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338457.0	471431.6	*	46.	268. AG	89.	100.0	.0	12.0	.64 2.3
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	2040.	3.9	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	2040.	3.9	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338446.8	471413.0	*	50.	269. AG	18.	100.0	.0	24.0	.66 2.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	1980.	4.0	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	1980.	4.0	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	1920.	4.0	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338743.6	471472.5	*	105.	85. AG	41.	100.0	.0	24.0	.72 5.3
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	1920.	4.0	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	350.	3.5	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339076.5	472077.0	*	576.	1. AG	77.	100.0	.0	12.0	1.11 29.3
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	200.	3.5	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471541.6	*	42.	360. AG	154.	100.0	.0	24.0	.29 2.1
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	650.	3.5	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	2115.	3.9	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	337893.1	471405.0	*	1132.	269. AG	179.	100.0	.0	36.0	1.12 57.5
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	2115.	3.9	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	305.	4.0	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	305.	4.0	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339322.7	471459.4	*	168.	90. AG	78.	100.0	.0	12.0	.91 8.5
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1670.	4.0	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1670.	4.0	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339255.3	471476.2	*	91.	89. AG	41.	100.0	.0	24.0	.62 4.6
30. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	1780.	3.6	.0	68.0	
31. WBALL	295NB	* 339627.0	471482.0	339767.9	471490.1	*	141.	87. AG	235.	100.0	.0	48.0	.70 7.2
32. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	1780.	3.6	.0	68.0	
33. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	1780.	3.6	.0	56.0	
34. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	1780.	3.6	.0	56.0	
35. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	175.	3.6	.0	32.0	
36. EBL	295NB	* 339502.0	471451.0	339413.3	471449.5	*	89.	269. AG	84.	100.0	.0	12.0	.76 4.5
37. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	175.	3.6	.0	32.0	
38. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1800.	3.6	.0	44.0	
39. EBT	295NB	* 339500.0	471435.0	339411.5	471433.5	*	89.	269. AG	37.	100.0	.0	24.0	.65 4.5
40. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1800.	3.6	.0	44.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	2040.	4.0	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	2040.	4.0	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	2040.	4.0	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	2040.	4.0	.0	44.0	

JOB: S13 MD410&SB 295 HLRT PM  
DATE: 10/23/2007 TIME: 22:31:24.74

RUN: S13 MD410&SB 295 HLRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	2040.	4.0	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	575.	3.5	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339561.7	471312.4	*	87.	185. AG	243.	100.0	.0	36.0	.69 4.4
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	325.	3.5	.0	32.0	

JOB: S13 MD410&SB 295 HLRT PM  
DATE: 10/23/2007 TIME: 22:31:24.74

RUN: S13 MD410&SB 295 HLRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 100	88	2.0	90	1770	37.80	1	3
10. EBT	64th Ave	* 100	9	2.0	2040	1770	37.80	1	3
14. WB	64th Ave	* 100	20	2.0	1920	1757	37.80	1	3
17. SBR	410&SB	* 100	76	2.0	350	1583	37.80	1	3
19. SBL	410&SB	* 100	76	2.0	200	1717	37.80	1	3
22. EB	295SB	* 100	59	2.0	2115	1695	37.80	1	3
26. WBL	295SB	* 100	77	2.0	305	1770	37.80	1	3
29. WBT	295SB	* 100	20	2.0	1670	1770	37.80	1	3
31. WBALL	295NB	* 100	58	2.0	1780	1667	37.80	1	3
36. EBL	295NB	* 100	83	2.0	175	1770	37.80	1	3

39. EBT	295NB	*	100	18	2.0	1800	1770	37.80	1	3
47. NBALL	410&NB	*	100	80	2.0	575	1723	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

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JOB: S13 MD410&SB 295 HLRT PM

RUN: S13 MD410&SB 295 HLRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (PPM)																				
(DEGR) * REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
0. *	.5	.4	.3	.2	.1	.3	.9	.7	.7	.8	.7	.4	.4	.4	.4	.1	.0	.0	.0	.0
5. *	.6	.5	.4	.3	.3	.3	.9	.7	.7	.7	.7	.4	.4	.4	.5	.2	.0	.1	.0	.0
10. *	.7	.5	.3	.3	.3	.4	.8	.8	.7	.7	.7	.6	.6	.6	.5	.3	.0	.2	.0	.0
15. *	.8	.6	.5	.5	.4	.5	.9	.9	.8	.7	.7	.6	.6	.6	.6	.3	.0	.2	.1	.0
20. *	.8	.6	.4	.5	.5	.6	.9	.9	.8	.7	.7	.6	.6	.6	.6	.4	.1	.3	.1	.1
25. *	.7	.6	.5	.5	.5	.5	.9	1.0	.8	.7	.7	.7	.7	.7	.6	.5	.1	.3	.1	.1
30. *	.8	.6	.5	.5	.5	.5	.9	1.1	.8	.7	.7	.7	.7	.7	.7	.5	.1	.4	.2	.1
35. *	.8	.6	.5	.5	.4	.5	.8	1.1	.9	.8	.7	.7	.6	.7	.7	.4	.1	.4	.3	.1
40. *	.9	.6	.5	.5	.4	.5	.6	1.1	.9	.8	.7	.7	.6	.6	.7	.4	.2	.4	.3	.2
45. *	.8	.5	.8	.4	.4	.4	.7	1.0	1.0	.8	.7	.6	.6	.6	.7	.5	.2	.4	.3	.2
50. *	.7	.8	.7	.4	.4	.4	.6	.9	1.0	1.1	.8	.7	.5	.5	.6	.5	.2	.4	.3	.2
55. *	.7	.6	.5	.4	.4	.4	.5	.8	1.1	1.1	.8	.7	.5	.5	.5	.5	.2	.4	.3	.2
60. *	.8	.6	.5	.4	.4	.4	.5	.7	1.0	.9	.9	.7	.5	.5	.5	.5	.2	.4	.3	.3
65. *	.8	.6	.4	.4	.4	.4	.6	.6	.8	.8	.9	.7	.5	.5	.5	.5	.3	.4	.3	.3
70. *	.8	.7	.4	.4	.4	.4	.6	.8	.8	.9	.9	.7	.5	.5	.5	.5	.3	.6	.3	.2
75. *	.8	.5	.4	.4	.4	.4	.6	.6	.7	.9	.8	.7	.5	.5	.5	.5	.3	.5	.2	.3
80. *	.8	.5	.4	.4	.4	.4	.5	.7	.7	.7	.5	.8	.5	.5	.5	.5	.3	.6	.3	.3
85. *	.6	.4	.4	.4	.4	.4	.6	.7	.5	.4	.4	.8	.5	.5	.5	.5	.3	.7	.5	.5
90. *	.5	.4	.4	.4	.4	.4	.4	.4	.5	.4	.4	.9	.5	.5	.5	.5	.3	.7	.6	.6
95. *	.6	.4	.4	.4	.4	.4	.4	.4	.2	.4	.4	.2	1.0	.5	.5	.5	.3	.7	.6	.8
100. *	.4	.4	.4	.4	.4	.4	.4	.2	.2	.2	.3	.1	1.0	.6	.5	.5	.3	.6	.8	.9
105. *	.4	.4	.4	.4	.4	.4	.4	.2	.2	.2	.2	.2	1.0	.6	.5	.5	.3	.8	.8	1.0
110. *	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.2	1.0	.7	.5	.5	.3	.9	.8	.9
115. *	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	1.1	.8	.6	.5	.5	.3	.7	1.1
120. *	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	.9	.8	.6	.5	.5	.3	.8	1.1
125. *	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	.6	.8	.6	.5	.5	.3	.7	1.0
130. *	.4	.4	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.6	.9	.6	.5	.5	.3	.8	1.0
135. *	.5	.5	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.7	.8	.7	.5	.3	.8	1.0	1.0
140. *	.5	.5	.5	.4	.4	.4	.4	.3	.3	.2	.1	.0	.6	.8	.8	.7	.5	.3	.8	1.0
145. *	.5	.5	.5	.5	.4	.3	.3	.3	.2	.0	.0	.6	.9	.7	.7	.5	.3	.8	1.0	1.0
150. *	.5	.5	.5	.5	.4	.3	.3	.2	.1	.0	.0	.6	1.0	.7	.8	.6	.3	.8	1.0	.9
155. *	.5	.5	.5	.4	.3	.3	.3	.1	.1	.0	.0	.6	.9	.8	.8	.6	.4	.8	.8	.9
160. *	.5	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	.7	.8	.9	.7	.7	.4	.7	.8	.9
165. *	.3	.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.6	.8	.7	.8	.7	.6	.8	.8	.8
170. *	.3	.3	.3	.2	.2	.1	.1	.1	.0	.0	.0	.7	.6	.6	.7	.6	.6	.9	.8	.8
175. *	.2	.2	.2	.2	.1	.0	.1	.0	.0	.0	.0	.6	.3	.4	.4	.5	.3	.9	.8	.8
180. *	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.4	.3	.3	.8	.8	.8
185. *	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.5	.1	.1	.8	.8	.8
190. *	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.2	.2	.1	.7	.7	.8
195. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	.2	.2	.0	.7	.7	.7
200. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.3	.1	.1	.7	.7	.7
205. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.3	.1	.1	.8	.8	.8

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JOB: S13 MD410&SB 295 HLRT PM

RUN: S13 MD410&SB 295 HLRT PM

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# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.1	.8	.8	.8
215.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.1	.8	.8	.8
220.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.1	.1	.1	.8	.8	.8
225.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.1	.1	.1	.8	.8	.8
230.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.4	.1	.1	.0	.8	.8	.9
235.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.1	.1	.0	.8	.9	.8
240.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.4	.2	.1	.1	.0	1.0	.9	.8
245.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.4	.2	.1	.0	.0	1.0	.9	1.0
250.	.1	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	1.0	.4	.1	.1	.0	.0	.9	.9	1.0
255.	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.9	.3	.1	.1	.0	.0	.9	.8	1.0
260.	.3	.0	.0	.0	.0	.0	.3	.3	.2	.2	.1	.8	.2	.1	.0	.0	.0	.7	.7	.9
265.	.4	.1	.0	.0	.0	.0	.4	.4	.4	.3	.3	.7	.1	.1	.0	.0	.0	.7	.6	.8
270.	.6	.1	.1	.0	.0	.0	.6	.5	.5	.5	.3	.6	.1	.0	.0	.0	.0	.5	.4	.5
275.	.7	.2	.1	.0	.0	.0	.7	.7	.6	.6	.4	.3	.0	.0	.0	.0	.0	.3	.3	.4
280.	.8	.3	.1	.1	.0	.0	.8	.7	.7	.7	.5	.3	.0	.0	.0	.0	.0	.2	.2	.2
285.	.8	.4	.2	.1	.0	.0	1.0	1.0	.7	.9	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
290.	.8	.4	.2	.1	.1	.0	.9	1.0	.8	.8	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
295.	.7	.5	.2	.1	.1	.0	.9	.9	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1
300.	.7	.5	.3	.1	.1	.0	.9	.9	.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	.6	.4	.3	.1	.1	.1	.9	.9	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	.5	.4	.3	.1	.1	.1	.9	.9	.8	.9	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	.5	.4	.4	.2	.1	.1	.8	.8	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	.4	.4	.4	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	.4	.4	.3	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	.3	.3	.3	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	.2	.3	.3	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	.3	.3	.3	.2	.1	.1	.7	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	.4	.3	.2	.1	.1	.0	.7	.7	.7	.6	.7	.1	.1	.1	.1	.0	.0	.0	.0	.0
350.	.4	.3	.1	.1	.1	.0	.7	.7	.7	.7	.7	.1	.1	.1	.1	.0	.0	.0	.0	.0
355.	.4	.2	.2	.1	.1	.1	.7	.7	.7	.7	.7	.2	.2	.2	.3	.0	.0	.0	.0	.0
360.	.5	.4	.3	.2	.1	.3	.9	.7	.7	.8	.7	.4	.4	.4	.4	.1	.0	.0	.0	.0
MAX	.9	.8	.8	.5	.5	.6	1.0	1.1	1.1	1.1	.9	1.1	1.0	.9	.8	.7	.6	1.0	1.0	1.1
DEGR.	40	50	45	15	20	20	285	30	55	50	60	115	150	160	150	160	165	240	130	115

1

JOB: S13 MD410&SB 295 HLRT PM

RUN: S13 MD410&SB 295 HLRT PM

PAGE 6

# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.1	.0
45.	.1	.0
50.	.1	.1
55.	.1	.1
60.	.2	.1
65.	.1	.1
70.	.1	.2
75.	.2	.3
80.	.5	.3
85.	.6	.4
90.	.7	.5
95.	.8	.7
100.	1.0	.8
105.	1.2	.8
110.	1.1	.9
115.	1.1	.9
120.	1.2	.9
125.	1.1	1.0
130.	.9	.9
135.	1.0	.9
140.	.8	.9
145.	.6	.8
150.	.6	.8
155.	.6	.7
160.	.6	.7
165.	.6	.7
170.	.6	.8
175.	.7	.8
180.	.6	.8
185.	.6	.8
190.	.7	.7

```

195. * .7 .7
200. * .7 .7
205. * .8 .7

```

1

JOB: S13 MD410&SB 295 HLRT PM

RUN: S13 MD410&SB 295 HLRT PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

```

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

```

```

-----*-----
210. * .8 .8
215. * .8 .9
220. * .9 .9
225. * 1.0 .9
230. * 1.0 .9
235. * 1.0 .9
240. * 1.0 .8
245. * .9 .8
250. * 1.0 .8
255. * .9 .8
260. * .7 .7
265. * .6 .5
270. * .5 .4
275. * .2 .3
280. * .2 .2
285. * .1 .1
290. * .0 .1
295. * .0 .0
300. * .0 .0
305. * .0 .0
310. * .0 .0
315. * .0 .0
320. * .0 .0
325. * .0 .0
330. * .0 .0
335. * .0 .0
340. * .0 .0
345. * .0 .0
350. * .0 .0
355. * .0 .0
360. * .0 .0
-----*-----

```

```

MAX * 1.2 1.0
DEGR. * 105 125

```

```

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 105 DEGREES FROM REC21.
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 115 DEGREES FROM REC12.
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 30 DEGREES FROM REC8 .

```

Site 13

MD 410 at MD 295  
Southbound Ramps

2030

S13 MD410&295SB NB15AM			60.0321.0.0000.000220.30480000	1	1						
SW COR		1408.	1141.	5.0							
SW 82S		1416.	1076.	5.0							
SW 164S		1419.	994.	5.0							
SW 256S		1429.	913.	5.0							
SW MIDS		1476.	608.	5.0							
SW MIDS		1492.	436.	5.0							
SW 82W		1342.	1146.	5.0							
SW 164W		1261.	1143.	5.0							
SW 256W		1176.	1143.	5.0							
SW MIDW		896.	1135.	5.0							
SW MIDW		612.	1127.	5.0							
NW COR		1385.	1266.	5.0							
NW 82N		1388.	1334.	5.0							
NW 164N		1388.	1417.	5.0							
NW 256N		1391.	1497.	5.0							
NW MIDN		1456.	1792.	5.0							
NW MIDN		1498.	1910.	5.0							
NW 82W		1315.	1259.	5.0							
NW 164W		1235.	1256.	5.0							
NW 256W		1153.	1255.	5.0							
NW MIDW		921.	1246.	5.0							
NW MIDW		704.	1239.	5.0							
S13 MD410&295SB NB30AM			44	1	0						
1											
EB	410SR	AG	1424.	1185.	426.	1149.	1545	3.1	0.	56	25
2											
EB	410SR	AG	1382.	1184.	1049.	1171.		0.	36	3	
100		48	2.0	1545	32.1	1667	1	3			
1											
EB	410NR	AG	1978.	1203.	1427.	1193.	1455	3.1	0.	56	25
2											
EB	410NR	AG	1925.	1202.	1741.	1199.		0.	36	3	
100		19	2.0	1455	32.1	1770	1	3			
1											
EBDP	410NR	AG	2842.	1738.	2512.	1380.	1210	3.1	0.	44	25
1											
EBDP	410NR	AG	2512.	1380.	2360.	1282.	1210	3.1	0.	44	25
1											
EBDP	410NR	AG	2360.	1282.	2239.	1232.	1210	3.1	0.	44	25
1											
EBDP	410NR	AG	2239.	1232.	2111.	1204.	1210	3.1	0.	44	25
1											
EBDP	410NR	AG	2111.	1204.	1974.	1193.	1210	3.1	0.	44	25
1											
WB	410NR	AG	1986.	1244.	2167.	1260.	2190	3.2	0.	68	22
2											
WB	410NR	AG	2021.	1247.	2144.	1258.		0.	48	4	
100		43	2.0	2190	32.1	1667	1	3			
1											
WB	410NR	AG	2167.	1260.	2371.	1329.	2190	3.2	0.	68	22
1											
WB	410NR	AG	2371.	1329.	2507.	1424.	2190	3.2	0.	56	22
1											
WB	410NR	AG	2508.	1423.	2596.	1498.	2190	3.2	0.	44	22
1											
WB	410NR	AG	2596.	1498.	2828.	1760.	2190	3.2	0.	44	22
1											
WB	410SR	AG	1425.	1230.	1985.	1240.	2245	3.3	0.	56	21
2											
WB	410SR	AG	1465.	1231.	1654.	1234.		0.	36	3	
100		27	2.0	2245	32.1	1770	1	3			
1											
WBDP	410SR	AG	425.	1195.	1422.	1234.	2245	3.3	0.	44	22
1											
SB	410SR	AG	1427.	1213.	1423.	1441.	425	3.0	0.	56	35
2											
SB	410SR	AG	1426.	1279.	1424.	1396.		0.	36	3	
100		71	2.0	425	32.1	1672	1	3			
1											
SB	410SR	AG	1423.	1441.	1436.	1576.	425	3.0	0.	56	35
1											
SB	410SR	AG	1438.	1577.	1506.	1865.	425	3.0	0.	44	35
1											
SB	410SR	AG	1506.	1865.	1636.	2194.	425	3.0	0.	12	35
1											
SBDP	410SR	AG	1509.	217.	1516.	423.	515	3.0	0.	32	35
1											
SBDP	410SR	AG	1516.	423.	1494.	658.	515	3.0	0.	32	35
1											
SBDP	410SR	AG	1494.	658.	1443.	935.	515	3.0	0.	32	35
1											
SBDP	410SR	AG	1443.	935.	1429.	1211.	515	3.0	0.	32	35
1											
SB	I295	AG	1535.	222.	1561.	511.	4700	3.4	0.	44	61
1											
SB	I295	AG	1562.	512.	1548.	1370.	4700	3.4	0.	44	58
1											
SB	I295	AG	1549.	1371.	1571.	1711.	4700	3.4	0.	44	58
1											
SB	I295	AG	1571.	1711.	1663.	2184.	4700	3.4	0.	44	58
1											
NB	295NR	AG	1970.	1229.	1959.	1008.	440	3.0	0.	56	35
2											
NB	410NR	AG	1967.	1160.	1960.	1019.		0.	36	3	

1	100	80	2.0	440	32.1	1672	1	3					
NB	295NR	AG	1959.	1008.	1926.	828.	440	3.0	0.	56	35		
1													
NBALL	295NR	AG	1927.	825.	1864.	545.	440	3.0	0.	44	35		
1													
NBALL	295NR	AG	1864.	545.	1783.	278.	440	3.0	0.	44	35		
1													
NBDP	295NR	AG	1955.	2063.	1935.	1845.	630	3.0	0.	32	35		
1													
NBDP	295NR	AG	1935.	1845.	1942.	1667.	630	3.0	0.	32	35		
1													
NBDP	295NR	AG	1942.	1667.	1967.	1451.	630	3.0	0.	32	35		
1													
NBDP	295NR	AG	1967.	1451.	1990.	1231.	630	3.0	0.	32	35		
1													
NB	I295	AG	1929.	2078.	1865.	1711.	3125	4.5	0.	44	57		
1													
NB	I295	AG	1865.	1711.	1834.	1289.	3125	4.5	0.	44	55		
1													
NB	I295	AG	1834.	1289.	1787.	597.	3125	4.5	0.	44	55		
1													
NB	I295	AG	1787.	597.	1731.	261.	3125	4.5	0.	44	55		
1.0	04	1000	0Y	5	0	72							



JOB: S13 MD410&295SB NB15AM  
 DATE: 09/24/2007 TIME: 22:56:08.50

RUN: S13 MD410&295SB NB15AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EB	410SR	*	1424.0	1185.0	426.0	1149.0	*	999.	268. AG	1545.	3.1	.0	56.0	
2. EB	410SR	*	1382.0	1184.0	1246.9	1178.7	*	135.	268. AG	124.	100.0	.0	36.0	.64 6.9
3. EB	410NR	*	1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1455.	3.1	.0	56.0	
4. EB	410NR	*	1925.0	1202.0	1874.6	1201.2	*	50.	269. AG	49.	100.0	.0	36.0	.36 2.6
5. EBDP	410NR	*	2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	1210.	3.1	.0	44.0	
6. EBDP	410NR	*	2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	1210.	3.1	.0	44.0	
7. EBDP	410NR	*	2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	1210.	3.1	.0	44.0	
8. EBDP	410NR	*	2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	1210.	3.1	.0	44.0	
9. EBDP	410NR	*	2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	1210.	3.1	.0	44.0	
10. WB	410NR	*	1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	2190.	3.2	.0	68.0	
11. WB	410NR	*	2021.0	1247.0	2149.1	1258.5	*	129.	85. AG	148.	100.0	.0	48.0	.62 6.5
12. WB	410NR	*	2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	2190.	3.2	.0	68.0	
13. WB	410NR	*	2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	2190.	3.2	.0	56.0	
14. WB	410NR	*	2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	2190.	3.2	.0	44.0	
15. WB	410NR	*	2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	2190.	3.2	.0	44.0	
16. WB	410SR	*	1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	2245.	3.3	.0	56.0	
17. WB	410SR	*	1465.0	1231.0	1575.4	1232.8	*	110.	89. AG	70.	100.0	.0	36.0	.61 5.6
18. WBDP	410SR	*	425.0	1195.0	1422.0	1234.0	*	998.	88. AG	2245.	3.3	.0	44.0	
19. SB	410SR	*	1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	425.	3.0	.0	56.0	
20. SB	410SR	*	1426.0	1279.0	1425.1	1333.7	*	55.	359. AG	183.	100.0	.0	36.0	.34 2.8
21. SB	410SR	*	1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	425.	3.0	.0	56.0	
22. SB	410SR	*	1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	425.	3.0	.0	44.0	
23. SB	410SR	*	1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	425.	3.0	.0	12.0	
24. SBDP	410SR	*	1509.0	217.0	1516.0	423.0	*	206.	2. AG	515.	3.0	.0	32.0	
25. SBDP	410SR	*	1516.0	423.0	1494.0	658.0	*	236.	355. AG	515.	3.0	.0	32.0	
26. SBDP	410SR	*	1494.0	658.0	1443.0	935.0	*	282.	350. AG	515.	3.0	.0	32.0	
27. SBDP	410SR	*	1443.0	935.0	1429.0	1211.0	*	276.	357. AG	515.	3.0	.0	32.0	
28. SB	I295	*	1535.0	222.0	1561.0	511.0	*	290.	5. AG	4700.	3.4	.0	44.0	
29. SB	I295	*	1562.0	512.0	1548.0	1370.0	*	858.	359. AG	4700.	3.4	.0	44.0	
30. SB	I295	*	1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	4700.	3.4	.0	44.0	
31. SB	I295	*	1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	4700.	3.4	.0	44.0	
32. NB	295NR	*	1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	440.	3.0	.0	56.0	
33. NB	410NR	*	1967.0	1160.0	1963.8	1096.2	*	64.	183. AG	207.	100.0	.0	36.0	.55 3.2
34. NB	295NR	*	1959.0	1008.0	1926.0	828.0	*	183.	190. AG	440.	3.0	.0	56.0	
35. NBALL	295NR	*	1927.0	825.0	1864.0	545.0	*	287.	193. AG	440.	3.0	.0	44.0	
36. NBALL	295NR	*	1864.0	545.0	1783.0	278.0	*	279.	197. AG	440.	3.0	.0	44.0	
37. NBDP	295NR	*	1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	630.	3.0	.0	32.0	
38. NBDP	295NR	*	1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	630.	3.0	.0	32.0	
39. NBDP	295NR	*	1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	630.	3.0	.0	32.0	
40. NBDP	295NR	*	1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	630.	3.0	.0	32.0	
41. NB	I295	*	1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	3125.	4.5	.0	44.0	
42. NB	I295	*	1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	3125.	4.5	.0	44.0	
43. NB	I295	*	1834.0	1289.0	1787.0	597.0	*	694.	184. AG	3125.	4.5	.0	44.0	
44. NB	I295	*	1787.0	597.0	1731.0	261.0	*	341.	189. AG	3125.	4.5	.0	44.0	

JOB: S13 MD410&295SB NB15AM  
 DATE: 09/24/2007 TIME: 22:56:08.50

RUN: S13 MD410&295SB NB15AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EB	410SR	*	100	48	2.0	1545	1667	32.10	1	3
4. EB	410NR	*	100	19	2.0	1455	1770	32.10	1	3
11. WB	410NR	*	100	43	2.0	2190	1667	32.10	1	3
17. WB	410SR	*	100	27	2.0	2245	1770	32.10	1	3
20. SB	410SR	*	100	71	2.0	425	1672	32.10	1	3
33. NB	410NR	*	100	80	2.0	440	1672	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SW COR		*	1408.0	1141.0	5.0	*
2. SW 82S		*	1416.0	1076.0	5.0	*
3. SW 164S		*	1419.0	994.0	5.0	*
4. SW 256S		*	1429.0	913.0	5.0	*
5. SW MIDS		*	1476.0	608.0	5.0	*
6. SW MIDS		*	1492.0	436.0	5.0	*
7. SW 82W		*	1342.0	1146.0	5.0	*
8. SW 164W		*	1261.0	1143.0	5.0	*
9. SW 256W		*	1176.0	1143.0	5.0	*
10. SW MIDW		*	896.0	1135.0	5.0	*
11. SW MIDW		*	612.0	1127.0	5.0	*
12. NW COR		*	1385.0	1266.0	5.0	*

1

RUN: S13 MD410&295SB NB15AM

PAGE 3

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WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

1

RUN: S13 MD410&295SB NB15AM

PAGE 4

ANGLE \* (PPM)

[illegible]

295.	*	.6	.3	.2	.0	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.6	.3	.2	.0	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.6	.3	.2	.1	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.4	.3	.2	.1	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.4	.3	.2	.0	.0	.0	.6	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.4	.3	.2	.0	.0	.0	.5	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.4	.3	.2	.0	.0	.0	.5	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.3	.3	.2	.0	.0	.0	.5	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.3	.3	.2	.1	.0	.0	.5	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.3	.3	.2	.1	.0	.0	.5	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.3	.3	.1	.0	.0	.0	.5	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.3	.2	.0	.0	.1	.1	.5	.4	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.3	.1	.0	.1	.1	.1	.5	.5	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.3	.0	.1	.1	.2	.3	.5	.5	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----																					
MAX	*	.7	.6	.5	.4	.5	.6	.8	.8	.7	.4	.4	.8	1.0	.5	.4	.4	.4	.7	.8	.7
DEGR.	*	45	40	25	20	125	25	15	50	70	85	60	105	120	140	125	135	150	120	105	115

1

JOB: S13 MD410&295SB NB15AM

RUN: S13 MD410&295SB NB15AM

PAGE 5

# MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.0	.0
45.	*	.0	.0
50.	*	.0	.0
55.	*	.0	.0
60.	*	.0	.0
65.	*	.0	.0
70.	*	.0	.0
75.	*	.1	.1
80.	*	.1	.1
85.	*	.2	.2
90.	*	.3	.3
95.	*	.5	.4
100.	*	.5	.4
105.	*	.5	.4
110.	*	.5	.4
115.	*	.5	.4
120.	*	.5	.4
125.	*	.5	.4
130.	*	.5	.3
135.	*	.3	.3
140.	*	.3	.3
145.	*	.3	.3
150.	*	.3	.3
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.3
175.	*	.3	.3
180.	*	.3	.3
185.	*	.3	.3
190.	*	.3	.3
195.	*	.3	.3
200.	*	.3	.3
205.	*	.3	.3

1

JOB: S13 MD410&295SB NB15AM

RUN: S13 MD410&295SB NB15AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

210.	*	.3	.3
215.	*	.3	.3
220.	*	.3	.3
225.	*	.4	.3
230.	*	.4	.4
235.	*	.4	.4
240.	*	.4	.4

245.	*	.4	.4
250.	*	.4	.4
255.	*	.4	.4
260.	*	.4	.2
265.	*	.2	.2
270.	*	.2	.1
275.	*	.1	.1
280.	*	.1	.1
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0
-----*			
MAX	*	.5	.4
DEGR.	*	95	95

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 120 DEGREES FROM REC13.  
 THE 2ND HIGHEST CONCENTRATION IS .80 PPM AT 15 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 50 DEGREES FROM REC8 .

S13 MD410&295SB NB30PM			60.0321.0.0000.000220.30480000	1	1						
SW COR		1408.	1141.	5.0							
SW 82S		1416.	1076.	5.0							
SW 164S		1419.	994.	5.0							
SW 256S		1429.	913.	5.0							
SW MIDS		1476.	608.	5.0							
SW MIDS		1492.	436.	5.0							
SW 82W		1342.	1146.	5.0							
SW 164W		1261.	1143.	5.0							
SW 256W		1176.	1143.	5.0							
SW MIDW		896.	1135.	5.0							
SW MIDW		612.	1127.	5.0							
NW COR		1385.	1266.	5.0							
NW 82N		1388.	1334.	5.0							
NW 164N		1388.	1417.	5.0							
NW 256N		1391.	1497.	5.0							
NW MIDN		1456.	1792.	5.0							
NW MIDN		1498.	1910.	5.0							
NW 82W		1315.	1259.	5.0							
NW 164W		1235.	1256.	5.0							
NW 256W		1153.	1255.	5.0							
NW MIDW		921.	1246.	5.0							
NW MIDW		704.	1239.	5.0							
S13 MD410&295SB NB30PM			44	1	0						
1											
EB	410SR	AG	1424.	1185.	426.	1149.	2400	3.4	0.	56	24
2											
EB	410SR	AG	1382.	1184.	1049.	1171.		0.	36	3	
90	45		2.0	2400	32.1	1667	1	3			
1											
EB	410NR	AG	1978.	1203.	1427.	1193.	2235	3.4	0.	56	25
2											
EB	410NR	AG	1925.	1202.	1741.	1199.		0.	36	3	
90	23		2.0	2235	32.1	1770	1	3			
1											
EBDP	410NR	AG	2842.	1738.	2512.	1380.	2310	3.5	0.	44	25
1											
EBDP	410NR	AG	2512.	1380.	2360.	1282.	2310	3.5	0.	44	25
1											
EBDP	410NR	AG	2360.	1282.	2239.	1232.	2310	3.5	0.	44	25
1											
EBDP	410NR	AG	2239.	1232.	2111.	1204.	2310	3.5	0.	44	25
1											
EBDP	410NR	AG	2111.	1204.	1974.	1193.	2310	3.5	0.	44	25
1											
WB	410NR	AG	1986.	1244.	2167.	1260.	2020	3.5	0.	68	22
2											
WB	410NR	AG	2021.	1247.	2144.	1258.		0.	48	4	
90	36		2.0	2020	32.1	1667	1	3			
1											
WB	410NR	AG	2167.	1260.	2371.	1329.	2020	3.5	0.	68	22
1											
WB	410NR	AG	2371.	1329.	2507.	1424.	2020	3.5	0.	56	22
1											
WB	410NR	AG	2508.	1423.	2596.	1498.	2020	3.5	0.	44	22
1											
WB	410NR	AG	2596.	1498.	2828.	1760.	2020	3.5	0.	44	22
1											
WB	410SR	AG	1425.	1230.	1985.	1240.	2230	3.5	0.	56	21
2											
WB	410SR	AG	1465.	1231.	1654.	1234.		0.	36	3	
90	26		2.0	2230	32.1	1770	1	3			
1											
WBDP	410SR	AG	425.	1195.	1422.	1234.	2280	3.5	0.	44	22
1											
SB	410SR	AG	1427.	1213.	1423.	1441.	620	3.0	0.	56	35
2											
SB	410SR	AG	1426.	1279.	1424.	1396.		0.	36	3	
90	62		2.0	620	32.1	1672	1	3			
1											
SB	410SR	AG	1423.	1441.	1436.	1576.	620	3.0	0.	56	35
1											
SB	410SR	AG	1438.	1577.	1506.	1865.	620	3.0	0.	44	35
1											
SB	410SR	AG	1506.	1865.	1636.	2194.	620	3.0	0.	12	35
1											
SBDP	410SR	AG	1509.	217.	1516.	423.	735	3.0	0.	32	35
1											
SBDP	410SR	AG	1516.	423.	1494.	658.	735	3.0	0.	32	35
1											
SBDP	410SR	AG	1494.	658.	1443.	935.	735	3.0	0.	32	35
1											
SBDP	410SR	AG	1443.	935.	1429.	1211.	735	3.0	0.	32	35
1											
SB	I295	AG	1535.	222.	1561.	511.	4550	3.6	0.	44	54
1											
SB	I295	AG	1562.	512.	1548.	1370.	4550	3.6	0.	44	58
1											
SB	I295	AG	1549.	1371.	1571.	1711.	4550	3.6	0.	44	58
1											
SB	I295	AG	1571.	1711.	1663.	2184.	4550	3.6	0.	44	58
1											
NB	295NR	AG	1970.	1229.	1959.	1008.	655	3.0	0.	56	35
2											
NB	410NR	AG	1967.	1160.	1960.	1019.		0.	36	3	

1	90	66	2.0	655	32.1	1672	1	3						
NB	295NR	AG	1959.	1008.	1926.	828.	655	3.0	0.	56	35			
1														
NBALL	295NR	AG	1927.	825.	1864.	545.	655	3.0	0.	44	35			
1														
NBALL	295NR	AG	1864.	545.	1783.	278.	655	3.0	0.	44	35			
1														
NBDP	295NR	AG	1955.	2063.	1935.	1845.	370	3.0	0.	32	35			
1														
NBDP	295NR	AG	1935.	1845.	1942.	1667.	370	3.0	0.	32	35			
1														
NBDP	295NR	AG	1942.	1667.	1967.	1451.	370	3.0	0.	32	35			
1														
NBDP	295NR	AG	1967.	1451.	1990.	1231.	370	3.0	0.	32	35			
1														
NB	I295	AG	1929.	2078.	1865.	1711.	4925	3.2	0.	44	57			
1														
NB	I295	AG	1865.	1711.	1834.	1289.	4925	3.2	0.	44	55			
1														
NB	I295	AG	1834.	1289.	1787.	597.	4925	3.2	0.	44	55			
1														
NB	I295	AG	1787.	597.	1731.	261.	4925	3.2	0.	44	55			
1.0	04	1000	0Y	5	0	72								

JOB: S13 MD410&295SB NB30PM  
DATE: 09/24/2007 TIME: 23:17:58.20

RUN: S13 MD410&295SB NB30PM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EB	410SR	*	1424.0	1185.0	426.0	1149.0	*	999.	268. AG	2400.	3.4	.0	56.0	
2. EB	410SR	*	1382.0	1184.0	640.5	1155.1	*	742.	268. AG	129.	100.0	.0	36.0	1.05 37.7
3. EB	410NR	*	1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	2235.	3.4	.0	56.0	
4. EB	410NR	*	1925.0	1202.0	1831.3	1200.5	*	94.	269. AG	66.	100.0	.0	36.0	.60 4.8
5. EBDP	410NR	*	2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	2310.	3.5	.0	44.0	
6. EBDP	410NR	*	2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	2310.	3.5	.0	44.0	
7. EBDP	410NR	*	2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	2310.	3.5	.0	44.0	
8. EBDP	410NR	*	2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	2310.	3.5	.0	44.0	
9. EBDP	410NR	*	2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	2310.	3.5	.0	44.0	
10. WB	410NR	*	1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	2020.	3.5	.0	68.0	
11. WB	410NR	*	2021.0	1247.0	2120.0	1255.9	*	99.	85. AG	138.	100.0	.0	48.0	.55 5.0
12. WB	410NR	*	2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	2020.	3.5	.0	68.0	
13. WB	410NR	*	2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	2020.	3.5	.0	56.0	
14. WB	410NR	*	2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	2020.	3.5	.0	44.0	
15. WB	410NR	*	2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	2020.	3.5	.0	44.0	
16. WB	410SR	*	1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	2230.	3.5	.0	56.0	
17. WB	410SR	*	1465.0	1231.0	1570.6	1232.7	*	106.	89. AG	75.	100.0	.0	36.0	.63 5.4
18. WBDP	410SR	*	425.0	1195.0	1422.0	1234.0	*	998.	88. AG	2280.	3.5	.0	44.0	
19. SB	410SR	*	1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	620.	3.0	.0	56.0	
20. SB	410SR	*	1426.0	1279.0	1424.8	1348.8	*	70.	359. AG	178.	100.0	.0	36.0	.46 3.5
21. SB	410SR	*	1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	620.	3.0	.0	56.0	
22. SB	410SR	*	1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	620.	3.0	.0	44.0	
23. SB	410SR	*	1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	620.	3.0	.0	12.0	
24. SBDP	410SR	*	1509.0	217.0	1516.0	423.0	*	206.	2. AG	735.	3.0	.0	32.0	
25. SBDP	410SR	*	1516.0	423.0	1494.0	658.0	*	236.	355. AG	735.	3.0	.0	32.0	
26. SBDP	410SR	*	1494.0	658.0	1443.0	935.0	*	282.	350. AG	735.	3.0	.0	32.0	
27. SBDP	410SR	*	1443.0	935.0	1429.0	1211.0	*	276.	357. AG	735.	3.0	.0	32.0	
28. SB	I295	*	1535.0	222.0	1561.0	511.0	*	290.	5. AG	4550.	3.6	.0	44.0	
29. SB	I295	*	1562.0	512.0	1548.0	1370.0	*	858.	359. AG	4550.	3.6	.0	44.0	
30. SB	I295	*	1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	4550.	3.6	.0	44.0	
31. SB	I295	*	1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	4550.	3.6	.0	44.0	
32. NB	295NR	*	1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	655.	3.0	.0	56.0	
33. NB	410NR	*	1967.0	1160.0	1963.1	1081.4	*	79.	183. AG	189.	100.0	.0	36.0	.59 4.0
34. NB	295NR	*	1959.0	1008.0	1926.0	828.0	*	183.	190. AG	655.	3.0	.0	56.0	
35. NBALL	295NR	*	1927.0	825.0	1864.0	545.0	*	287.	193. AG	655.	3.0	.0	44.0	
36. NBALL	295NR	*	1864.0	545.0	1783.0	278.0	*	279.	197. AG	655.	3.0	.0	44.0	
37. NBDP	295NR	*	1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	370.	3.0	.0	32.0	
38. NBDP	295NR	*	1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	370.	3.0	.0	32.0	
39. NBDP	295NR	*	1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	370.	3.0	.0	32.0	
40. NBDP	295NR	*	1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	370.	3.0	.0	32.0	
41. NB	I295	*	1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	4925.	3.2	.0	44.0	
42. NB	I295	*	1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	4925.	3.2	.0	44.0	
43. NB	I295	*	1834.0	1289.0	1787.0	597.0	*	694.	184. AG	4925.	3.2	.0	44.0	
44. NB	I295	*	1787.0	597.0	1731.0	261.0	*	341.	189. AG	4925.	3.2	.0	44.0	

JOB: S13 MD410&295SB NB30PM  
DATE: 09/24/2007 TIME: 23:17:58.20

RUN: S13 MD410&295SB NB30PM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EB	410SR	*	90	45	2.0	2400	1667	32.10	1	3
4. EB	410NR	*	90	23	2.0	2235	1770	32.10	1	3
11. WB	410NR	*	90	36	2.0	2020	1667	32.10	1	3
17. WB	410SR	*	90	26	2.0	2230	1770	32.10	1	3
20. SB	410SR	*	90	62	2.0	620	1672	32.10	1	3
33. NB	410NR	*	90	66	2.0	655	1672	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SW COR		*	1408.0	1141.0	5.0	*
2. SW 82S		*	1416.0	1076.0	5.0	*
3. SW 164S		*	1419.0	994.0	5.0	*
4. SW 256S		*	1429.0	913.0	5.0	*
5. SW MIDS		*	1476.0	608.0	5.0	*
6. SW MIDS		*	1492.0	436.0	5.0	*
7. SW 82W		*	1342.0	1146.0	5.0	*
8. SW 164W		*	1261.0	1143.0	5.0	*
9. SW 256W		*	1176.0	1143.0	5.0	*
10. SW MIDW		*	896.0	1135.0	5.0	*
11. SW MIDW		*	612.0	1127.0	5.0	*
12. NW COR		*	1385.0	1266.0	5.0	*

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PAGE 3

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WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

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PAGE 4

ANGLE \* (PPM)

[illegible]



295.	*	.7	.4	.3	.2	.0	.0	.9	.9	1.0	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.7	.4	.3	.3	.0	.0	.8	.8	.9	1.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.7	.4	.3	.3	.0	.0	.8	.8	.8	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.6	.4	.3	.3	.0	.0	.8	.8	.8	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.5	.4	.3	.3	.0	.0	.8	.8	.8	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.5	.4	.3	.3	.1	.0	.7	.7	.8	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.5	.3	.3	.3	.1	.0	.6	.6	.8	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.4	.3	.3	.3	.0	.0	.6	.6	.7	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.4	.3	.3	.2	.0	.0	.6	.6	.6	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.4	.3	.3	.2	.0	.0	.6	.6	.6	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.4	.3	.3	.1	.0	.0	.6	.6	.6	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.4	.3	.2	.1	.1	.1	.6	.6	.6	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.4	.4	.2	.1	.2	.2	.6	.6	.7	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.4	.3	.1	.1	.3	.3	.6	.6	.7	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.9	.6	.6	.6	.5	.6	1.0	1.1	1.1	1.1	1.1	.9	1.1	.8	.5	.5	.4	.8	.9	.9	.9
DEGR.	*	40	10	25	30	25	25	285	50	70	65	70	105	120	150	130	135	150	115	105	105	

1

JOB: S13 MD410&295SB NB30PM

RUN: S13 MD410&295SB NB30PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.0	.0
45.	*	.0	.0
50.	*	.0	.0
55.	*	.0	.0
60.	*	.0	.0
65.	*	.0	.0
70.	*	.1	.0
75.	*	.1	.1
80.	*	.1	.1
85.	*	.3	.4
90.	*	.5	.5
95.	*	.6	.6
100.	*	.7	.7
105.	*	.8	.7
110.	*	.8	.7
115.	*	.8	.7
120.	*	.8	.7
125.	*	.8	.7
130.	*	.8	.7
135.	*	.7	.7
140.	*	.6	.5
145.	*	.5	.5
150.	*	.5	.5
155.	*	.5	.5
160.	*	.5	.5
165.	*	.5	.5
170.	*	.5	.5
175.	*	.5	.5
180.	*	.5	.5
185.	*	.5	.5
190.	*	.5	.5
195.	*	.5	.5
200.	*	.5	.5
205.	*	.5	.5

1

JOB: S13 MD410&295SB NB30PM

RUN: S13 MD410&295SB NB30PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

210.	*	.5	.4
215.	*	.6	.4
220.	*	.7	.6
225.	*	.7	.6
230.	*	.7	.5
235.	*	.7	.5
240.	*	.7	.4

245.	*	.7	.4
250.	*	.7	.4
255.	*	.5	.4
260.	*	.5	.3
265.	*	.5	.2
270.	*	.3	.1
275.	*	.1	.1
280.	*	.1	.1
285.	*	.1	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0
-----*			
MAX	*	.8	.7
DEGR.	*	105	100

THE HIGHEST CONCENTRATION IS    1.10 PPM AT    50 DEGREES FROM REC8 .  
 THE 2ND HIGHEST CONCENTRATION IS    1.10 PPM AT    70 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS    1.10 PPM AT    65 DEGREES FROM REC10 .

S13 MD410&SB 295 LBRT30AM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 LBRT30AM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	30 3.2 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
110	101	2.0 30 32.1 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	1445 3.2 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
110	13	2.0 1445 32.1 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2245 3.5 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
110	21	2.0 2245 32.1 1759 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	2245 3.5 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	1545 3.2 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
110	69	2.0 1545 32.1 1667 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	320 3.5 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
110	82	2.0 320 32.1 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1959 3.5 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
110	27	2.0 1959 32.1 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	320 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	81	2.0 320 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	105 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	81	2.0 105 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	515 3.0 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	315 3.5 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
110	82	2.0 315 32.1 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1174 3.5 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
110	17	2.0 1174 32.1 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	1244 3.5 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	2190 3.2 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
110	58	2.0 2190 32.1 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	2190 3.2 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	2190	3.2	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	440	3.0	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
110		91	2.0 440 32.1 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	630	3.0	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	3125	4.5	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	3125	4.5	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4700	3.4	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4700	3.4	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	0.6	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	0.6	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	0.6	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	0.6	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	0.6	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
110		13	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	0.6	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
110		69	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	0.6	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	0.6	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
110		17	2.0 34 4.4 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	0.5	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	0.5	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
110		21	2.0 34 4.4 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	0.5	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
110		27	2.0 34 4.4 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	0.5	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		58	2.0 34 4.4 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	0.5	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	0.5	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	0.5	0.	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S13 MD410&SB 295 LBRT30AM  
DATE: 10/14/2007 TIME: 08:49:03.69

RUN: S13 MD410&SB 295 LBRT30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	30.	3.2	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338490.5	471428.6	*	17.	268. AG	79.	100.0	.0	12.0	.38 .8
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	1445.	3.2	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	338307.0	471403.7	*	213.	269. AG	10.	100.0	.0	12.0	.97 10.8
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2245.	3.5	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338764.8	471459.6	*	129.	88. AG	33.	100.0	.0	24.0	.83 6.5
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	2245.	3.5	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	1545.	3.2	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	338803.4	471416.6	*	243.	269. AG	162.	100.0	.0	36.0	.92 12.3
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	320.	3.5	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339289.6	471452.3	*	161.	88. AG	64.	100.0	.0	12.0	.83 8.2
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1959.	3.5	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339275.5	471473.2	*	145.	89. AG	42.	100.0	.0	24.0	.77 7.3
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	320.	3.0	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339070.6	471676.3	*	175.	1. AG	63.	100.0	.0	12.0	.89 8.9
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	105.	3.0	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471523.0	*	23.	360. AG	127.	100.0	.0	24.0	.13 1.2
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	515.	3.0	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	315.	3.5	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339417.1	471446.0	*	156.	268. AG	64.	100.0	.0	12.0	.82 7.9
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1174.	3.5	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339510.5	471435.5	*	55.	268. AG	27.	100.0	.0	24.0	.41 2.8
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	1244.	3.5	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	1244.	3.5	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	1244.	3.5	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	1244.	3.5	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	1244.	3.5	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	2190.	3.2	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339780.5	471478.0	*	173.	90. AG	182.	100.0	.0	48.0	.75 8.8
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	2190.	3.2	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	2190.	3.2	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	440.	3.0	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339562.8	471325.2	*	74.	185. AG	214.	100.0	.0	36.0	.64 3.8
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	630.	3.0	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	3125.	4.5	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	3125.	4.5	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4700.	3.4	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4700.	3.4	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	.6	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	.6	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	.6	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	.6	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	.6	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339549.6	471419.9	*	2.	265. AG	1.	100.0	.0	12.0	.02 .1

JOB: S13 MD410&SB 295 LBRT30AM  
DATE: 10/14/2007 TIME: 08:49:03.69

RUN: S13 MD410&SB 295 LBRT30AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	.6	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339031.2	471406.8	*	13.	267. AG	7.	100.0	.0	12.0	.06 .7
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	.6	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	.6	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338495.9	471389.0	*	3.	266. AG	2.	100.0	.0	12.0	.02 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	.5	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	.5	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338643.9	471472.2	*	4.	86. AG	2.	100.0	.0	12.0	.02 .2
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	.5	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339137.0	471491.0	*	5.	90. AG	3.	100.0	.0	12.0	.03 .3
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	.5	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339625.7	471493.2	*	11.	84. AG	6.	100.0	.0	12.0	.05 .5
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	.5	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	.5	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	.5	.0	32.0	

JOB: S13 MD410&SB 295 LBRT30AM  
DATE: 10/14/2007 TIME: 08:49:03.69

RUN: S13 MD410&SB 295 LBRT30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	110	101	2.0	30	1770	32.10	1	3
4.	EBT	410&64	*	110	13	2.0	1445	1770	32.10	1	3
6.	WBALL	410&64	*	110	21	2.0	2245	1759	32.10	1	3
9.	EBALL	410&SB	*	110	69	2.0	1545	1667	32.10	1	3
11.	WBL	410&SB	*	110	82	2.0	320	1770	32.10	1	3
13.	WBT	410&SB	*	110	27	2.0	1959	1770	32.10	1	3
15.	SBR	410&SB	*	110	81	2.0	320	1583	32.10	1	3
17.	SBL	410&SB	*	110	81	2.0	105	1717	32.10	1	3
20.	EBL	410&NB	*	110	82	2.0	315	1770	32.10	1	3
22.	EBT	410&NB	*	110	17	2.0	1174	1770	32.10	1	3
29.	WBALL	410&NB	*	110	58	2.0	2190	1667	32.10	1	3
33.	NBALL	410&NB	*	110	91	2.0	440	1672	32.10	1	3
44.	EBT	410BUS	*	110	13	2.0	34	1717	4.40	1	3
46.	EBT	410BUS	*	110	69	2.0	34	1717	4.40	1	3
49.	EBT	410BUS	*	110	17	2.0	34	1717	4.40	1	3
52.	WB	410BUS	*	110	21	2.0	34	1762	4.40	1	3
54.	WB	410BUS	*	110	27	2.0	34	1770	4.40	1	3
56.	WBALL	410BUS	*	110	58	2.0	34	1667	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

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JOB: S13 MD410&SB 295 LBRT30AM

RUN: S13 MD410&SB 295 LBRT30AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.2	.1	.1	.1	.2	.8	.8	.7	.3	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0
5.	*	.4	.2	.1	.1	.2	.2	.9	.8	.7	.4	.2	.3	.3	.2	.2	.0	.0	.0	.0	.0
10.	*	.5	.3	.3	.2	.2	.3	.7	.8	.6	.3	.2	.4	.3	.2	.1	.0	.1	.0	.0	.0
15.	*	.5	.3	.3	.3	.2	.4	.7	.7	.6	.2	.2	.5	.5	.3	.3	.1	.0	.1	.1	.0
20.	*	.7	.5	.4	.5	.3	.3	.8	.8	.7	.2	.2	.5	.5	.3	.3	.1	.0	.1	.1	.1
25.	*	.7	.6	.4	.4	.3	.4	.8	.8	.7	.2	.2	.5	.5	.3	.3	.2	.1	.1	.1	.1
30.	*	.7	.6	.6	.4	.3	.4	1.0	.9	.9	.2	.2	.5	.5	.3	.3	.2	.1	.1	.1	.1
35.	*	.7	.6	.5	.4	.3	.3	1.0	1.0	.9	.3	.2	.5	.5	.4	.3	.2	.1	.2	.1	.1
40.	*	.6	.6	.5	.3	.3	.3	1.0	1.0	.9	.3	.2	.5	.5	.4	.3	.2	.1	.3	.2	.1
45.	*	.6	.6	.4	.3	.3	.3	1.0	1.0	1.0	.3	.2	.5	.5	.4	.3	.2	.2	.3	.2	.1
50.	*	.7	.5	.4	.3	.3	.3	1.0	1.0	1.0	.4	.2	.5	.5	.4	.3	.3	.2	.3	.2	.2
55.	*	.6	.6	.3	.3	.3	.3	.7	.9	.9	.4	.2	.6	.5	.4	.3	.3	.2	.3	.2	.2
60.	*	.6	.6	.3	.3	.3	.3	.8	1.0	.9	.4	.3	.6	.5	.4	.3	.3	.2	.3	.2	.1
65.	*	.7	.5	.3	.3	.3	.3	.7	1.0	.9	.5	.3	.6	.5	.4	.3	.3	.2	.3	.1	.1
70.	*	.7	.4	.3	.3	.3	.3	.7	.8	1.0	.5	.3	.5	.5	.4	.3	.3	.3	.2	.1	.1
75.	*	.6	.3	.3	.3	.3	.3	.6	1.0	1.0	.5	.3	.5	.5	.5	.3	.3	.3	.2	.1	.2
80.	*	.6	.4	.3	.3	.3	.3	.6	.9	.9	.4	.3	.6	.4	.5	.3	.3	.3	.2	.2	.2
85.	*	.6	.4	.3	.3	.3	.3	.7	.7	.8	.3	.2	.6	.4	.5	.3	.3	.3	.3	.3	.2
90.	*	.5	.4	.3	.3	.3	.3	.6	.7	.5	.2	.1	.6	.5	.4	.3	.3	.3	.4	.4	.4
95.	*	.5	.4	.3	.3	.3	.3	.4	.4	.5	.2	.0	.7	.5	.4	.3	.3	.3	.4	.5	.6
100.	*	.3	.3	.3	.3	.3	.3	.2	.4	.4	.1	.0	.8	.6	.5	.2	.3	.3	.5	.5	.7
105.	*	.4	.3	.3	.3	.3	.3	.2	.2	.3	.1	.0	1.0	.6	.5	.2	.3	.3	.6	.6	.6
110.	*	.4	.3	.3	.3	.3	.3	.2	.2	.2	.1	.0	1.0	.6	.5	.2	.3	.3	.6	.7	.8
115.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	.8	.6	.6	.3	.3	.3	.7	.7	.8
120.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	.7	.6	.6	.3	.3	.3	.6	.8	.8
125.	*	.4	.4	.4	.3	.3	.3	.2	.2	.2	.1	.0	.6	.6	.6	.3	.3	.3	.4	.8	.9
130.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.0	.6	.5	.6	.3	.2	.3	.6	.8	.9
135.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.0	.6	.7	.6	.3	.2	.3	.6	.7	.9
140.	*	.4	.4	.4	.4	.3	.2	.3	.2	.1	.0	.5	.7	.6	.3	.3	.3	.3	.6	.7	.7
145.	*	.4	.4	.4	.4	.3	.2	.3	.2	.1	.0	.0	.6	.7	.6	.3	.3	.2	.6	.7	.7

150.	*	.4	.4	.4	.4	.2	.2	.3	.1	.1	.0	.0	.5	.8	.6	.4	.3	.2	.7	.6	.7
155.	*	.4	.4	.4	.3	.2	.1	.1	.1	.1	.0	.0	.5	.6	.5	.4	.3	.3	.6	.6	.6
160.	*	.4	.3	.3	.3	.1	.1	.1	.1	.0	.0	.0	.5	.6	.6	.5	.4	.3	.6	.6	.5
165.	*	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.0	.5	.4	.5	.4	.3	.3	.6	.6	.5
170.	*	.3	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	.5	.3	.3	.3	.2	.2	.6	.5	.5
175.	*	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.3	.2	.2	.5	.5	.5
180.	*	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4	.2	.1	.1	.5	.5	.5
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.2	.0	.0	.5	.5	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.2	.0	.0	.5	.5	.4
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.2	.0	.0	.5	.5	.4
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.2	.0	.0	.5	.5	.4
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.2	.0	.0	.5	.5	.3

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JOB: S13 MD410&SB 295 LBRT30AM

RUN: S13 MD410&SB 295 LBRT30AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.2	.0	.0	.5	.5	.3
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.2	.0	.0	.5	.5	.3
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.0	.0	.5	.5	.4
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.0	.5	.6	.4
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.0	.0	.0	.6	.5	.4
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.0	.0	.0	.6	.5	.4
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.0	.0	.0	.6	.5	.4
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0	.5	.4	.5
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.5	.4	.6
255.	*	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.5	.1	.0	.0	.0	.0	.5	.5	.4
260.	*	.2	.0	.0	.0	.0	.2	.2	.1	.0	.0	.4	.1	.0	.0	.0	.0	.3	.3	.3
265.	*	.3	.0	.0	.0	.0	.3	.3	.1	.1	.0	.3	.0	.0	.0	.0	.0	.2	.3	.3
270.	*	.6	.0	.0	.0	.0	.6	.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1	.2	.2
275.	*	.7	.0	.0	.0	.0	.7	.7	.3	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.2
280.	*	.7	.2	.0	.0	.0	.8	.8	.5	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.1
285.	*	.8	.3	.0	.0	.0	.8	.8	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.8	.3	.0	.0	.0	.9	.8	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.7	.4	.0	.0	.0	.9	.8	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.7	.4	.1	.0	.0	.9	.8	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.7	.4	.2	.0	.0	.9	.8	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.6	.4	.3	.0	.0	.8	.8	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.6	.4	.3	.1	.0	.8	.8	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.5	.4	.3	.1	.0	.8	.8	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.5	.4	.2	.1	.0	.8	.8	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.4	.4	.2	.1	.0	.8	.8	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.3	.4	.2	.1	.1	.0	.7	.7	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.3	.3	.2	.1	.1	.0	.7	.7	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.3	.3	.2	.1	.1	.0	.7	.7	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.2	.3	.1	.1	.0	.8	.8	.6	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.4	.4	.2	.2	.1	.1	.8	.8	.7	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0
360.	*	.4	.2	.1	.1	.1	.2	.8	.8	.7	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0

MAX	*	.8	.6	.6	.5	.3	.4	1.0	1.0	1.0	.5	.3	1.0	.8	.6	.5	.4	.3	.7	.8	.9
DEGR.	*	285	25	30	20	20	15	30	75	45	65	60	105	150	115	160	160	70	115	120	125

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JOB: S13 MD410&SB 295 LBRT30AM

RUN: S13 MD410&SB 295 LBRT30AM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.0	.0
45.	*	.1	.0
50.	*	.1	.0
55.	*	.1	.0
60.	*	.1	.0
65.	*	.1	.0
70.	*	.1	.0
75.	*	.2	.1
80.	*	.2	.1
85.	*	.3	.3
90.	*	.5	.3
95.	*	.5	.4
100.	*	.5	.5
105.	*	.6	.4

110.	*	.6	.4
115.	*	.5	.4
120.	*	.5	.4
125.	*	.5	.4
130.	*	.4	.4
135.	*	.4	.4
140.	*	.3	.4
145.	*	.3	.3
150.	*	.3	.3
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.3
175.	*	.3	.3
180.	*	.3	.3
185.	*	.3	.3
190.	*	.3	.3
195.	*	.3	.3
200.	*	.3	.3
205.	*	.3	.3

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JOB: S13 MD410&SB 295 LBRT30AM

RUN: S13 MD410&SB 295 LBRT30AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.3	.3
215.	*	.3	.4
220.	*	.4	.4
225.	*	.4	.4
230.	*	.4	.4
235.	*	.4	.4
240.	*	.4	.4
245.	*	.4	.4
250.	*	.4	.4
255.	*	.4	.3
260.	*	.4	.2
265.	*	.2	.2
270.	*	.2	.1
275.	*	.1	.1
280.	*	.1	.1
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .6 .5

DEGR. \* 105 100

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 30 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 75 DEGREES FROM REC8 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 105 DEGREES FROM REC12.



S13 MD410&SB 295 LBRT30PM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 LBRT30PM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	100 3.7 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
130	114	2.0 100 32.1 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	2320 3.7 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
130	12	2.0 2320 32.1 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2285 3.7 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
130	27	2.0 2285 32.1 1757 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	2250 3.5 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	2500 3.7 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
130	74	2.0 2500 32.1 1667 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	345 3.7 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
130	100	2.0 345 32.1 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1919 3.7 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
130	30	2.0 1919 32.1 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	395 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
130	98	2.0 395 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	225 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
130	98	2.0 225 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	735 3.0 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	200 4.2 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
130	110	2.0 200 32.1 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	2069 4.2 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
130	23	2.0 2069 32.1 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	2344 4.2 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	2020 3.2 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
130	74	2.0 2020 32.1 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	2020 3.2 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	2020	3.2	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	655	3.0	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
130		105	2.0 655 32.1 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	370	3.0	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	4925	3.2	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	4925	3.2	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4550	3.6	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4550	3.6	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	0.7	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	0.7	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	0.7	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	0.7	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	0.7	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
130		12	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	0.7	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
130		74	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	0.7	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	0.7	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
130		23	2.0 34 4.4 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	0.9	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	0.9	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
130		27	2.0 34 4.4 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	0.9	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
130		30	2.0 34 4.4 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	0.9	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		74	2.0 34 4.4 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	0.9	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	0.9	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	0.9	0.	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S13 MD410&SB 295 LBRT30PM  
DATE: 10/14/2007 TIME: 09:20:10.17

RUN: S13 MD410&SB 295 LBRT30PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	100.	3.7	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338443.3	471427.4	*	64.	269. AG	76.	100.0	.0	12.0	.61 3.2
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	2320.	3.7	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	330522.5	471207.9	*	8000.	269. AG	8.	100.0	.0	12.0	1.49 406.4
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2285.	3.7	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338805.8	471461.1	*	170.	88. AG	36.	100.0	.0	24.0	.85 8.6
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	2250.	3.5	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	2500.	3.7	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	336908.8	471382.0	*	2138.	269. AG	147.	100.0	.0	36.0	1.25 108.6
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	345.	3.7	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339390.7	471455.0	*	262.	89. AG	66.	100.0	.0	12.0	.97 13.3
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1919.	3.7	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339288.3	471473.4	*	157.	89. AG	40.	100.0	.0	24.0	.73 8.0
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	395.	3.0	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339080.7	472358.0	*	857.	1. AG	65.	100.0	.0	12.0	1.16 43.5
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	225.	3.0	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471560.0	*	60.	360. AG	130.	100.0	.0	24.0	.30 3.0
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	735.	3.0	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	200.	4.2	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339413.8	471445.9	*	159.	269. AG	73.	100.0	.0	12.0	.92 8.1
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	2069.	4.2	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339435.0	471433.4	*	130.	269. AG	30.	100.0	.0	24.0	.74 6.6
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	2344.	4.2	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	2344.	4.2	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	2344.	4.2	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	2344.	4.2	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	2344.	4.2	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	2020.	3.2	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339811.4	471478.0	*	204.	90. AG	196.	100.0	.0	48.0	.76 10.4
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	2020.	3.2	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	2020.	3.2	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	655.	3.0	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339557.4	471260.5	*	139.	185. AG	209.	100.0	.0	36.0	.81 7.1
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	370.	3.0	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4925.	3.2	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4925.	3.2	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4550.	3.6	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4550.	3.6	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	.7	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	.7	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	.7	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	.7	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	.7	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339549.8	471419.9	*	2.	268. AG	1.	100.0	.0	12.0	.02 .1

JOB: S13 MD410&SB 295 LBRT30PM  
DATE: 10/14/2007 TIME: 09:20:10.17

RUN: S13 MD410&SB 295 LBRT30PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	.7	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339030.2	471406.8	*	14.	270. AG	7.	100.0	.0	12.0	.05 .7
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	.7	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	.7	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338494.7	471388.9	*	4.	270. AG	2.	100.0	.0	12.0	.03 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	.9	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	.9	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338645.0	471472.3	*	5.	90. AG	2.	100.0	.0	12.0	.03 .3
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	.9	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339137.6	471491.0	*	6.	90. AG	3.	100.0	.0	12.0	.03 .3
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	.9	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339628.7	471493.6	*	14.	83. AG	8.	100.0	.0	12.0	.07 .7
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	.9	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	.9	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	.9	.0	32.0	

JOB: S13 MD410&SB 295 LBRT30PM  
DATE: 10/14/2007 TIME: 09:20:10.17

RUN: S13 MD410&SB 295 LBRT30PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	130	114	2.0	100	1770	32.10	1	3
4.	EBT	410&64	*	130	12	2.0	2320	1770	32.10	1	3
6.	WBALL	410&64	*	130	27	2.0	2285	1757	32.10	1	3
9.	EBALL	410&SB	*	130	74	2.0	2500	1667	32.10	1	3
11.	WBL	410&SB	*	130	100	2.0	345	1770	32.10	1	3
13.	WBT	410&SB	*	130	30	2.0	1919	1770	32.10	1	3
15.	SBR	410&SB	*	130	98	2.0	395	1583	32.10	1	3
17.	SBL	410&SB	*	130	98	2.0	225	1717	32.10	1	3
20.	EBL	410&NB	*	130	110	2.0	200	1770	32.10	1	3
22.	EBT	410&NB	*	130	23	2.0	2069	1770	32.10	1	3
29.	WBALL	410&NB	*	130	74	2.0	2020	1667	32.10	1	3
33.	NBALL	410&NB	*	130	105	2.0	655	1672	32.10	1	3
44.	EBT	410BUS	*	130	12	2.0	34	1717	4.40	1	3
46.	EBT	410BUS	*	130	74	2.0	34	1717	4.40	1	3
49.	EBT	410BUS	*	130	23	2.0	34	1717	4.40	1	3
52.	WB	410BUS	*	130	27	2.0	34	1762	4.40	1	3
54.	WB	410BUS	*	130	30	2.0	34	1770	4.40	1	3
56.	WBALL	410BUS	*	110	74	2.0	34	1667	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

1

JOB: S13 MD410&SB 295 LBRT30PM

RUN: S13 MD410&SB 295 LBRT30PM

PAGE 4

# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.9	.5	.4	.2	.1	.3	.9	.8	.8	.6	.6	.4	.4	.4	.4	.1	.1	.0	.0	.0
5.	*	.8	.6	.3	.3	.3	.3	1.0	.8	.8	.7	.6	.4	.4	.4	.4	.2	.1	.2	.0	.0
10.	*	.9	.6	.4	.3	.3	.3	1.0	.9	.8	.8	.6	.4	.4	.4	.5	.4	.1	.2	.0	.0
15.	*	.9	.4	.4	.5	.4	.4	1.0	1.0	.8	.7	.6	.5	.5	.5	.6	.4	.1	.2	.1	.0
20.	*	.9	.6	.5	.6	.4	.3	1.1	1.0	.9	.6	.6	.5	.5	.5	.6	.4	.1	.2	.1	.1
25.	*	.8	.6	.6	.5	.5	.4	1.2	1.0	.9	.6	.6	.7	.6	.5	.6	.5	.3	.2	.1	.1
30.	*	.8	.6	.7	.5	.4	.4	1.3	1.1	.9	.7	.7	.7	.6	.6	.6	.5	.3	.3	.2	.1
35.	*	.8	.6	.6	.6	.4	.4	1.2	1.1	.9	.8	.7	.7	.6	.6	.6	.4	.3	.4	.2	.1
40.	*	.8	.6	.6	.5	.4	.4	1.2	1.1	1.0	.9	.8	.7	.6	.6	.6	.4	.3	.3	.2	.1
45.	*	.9	.7	.6	.5	.4	.4	1.0	1.1	1.2	.9	.8	.7	.5	.5	.6	.5	.4	.3	.2	.2
50.	*	.9	.6	.6	.5	.4	.4	1.2	1.1	1.1	1.0	.8	.7	.5	.5	.5	.5	.4	.3	.2	.2
55.	*	.9	.7	.6	.5	.4	.4	1.0	1.1	1.2	1.0	.9	.7	.5	.5	.5	.5	.3	.3	.2	.2
60.	*	1.0	.6	.5	.4	.4	.4	.9	1.1	1.1	1.0	.9	.7	.5	.5	.5	.5	.3	.4	.2	.2
65.	*	.9	.6	.5	.4	.4	.4	.8	1.1	1.1	1.0	.9	.7	.5	.5	.5	.5	.3	.4	.2	.2
70.	*	.9	.5	.4	.4	.4	.4	1.1	1.0	1.3	.9	1.1	.6	.5	.5	.5	.4	.4	.3	.1	.1
75.	*	.8	.5	.4	.4	.4	.4	.9	1.0	1.2	.9	.9	.6	.5	.5	.5	.4	.4	.3	.1	.2
80.	*	.9	.5	.4	.4	.4	.4	.9	1.0	1.2	.8	.9	.7	.4	.5	.5	.4	.4	.3	.2	.2
85.	*	.7	.5	.4	.4	.4	.4	.9	.9	1.0	.7	.7	.7	.4	.5	.5	.4	.4	.6	.5	.3
90.	*	.6	.4	.4	.4	.4	.4	.8	.8	.7	.4	.5	.9	.5	.4	.5	.4	.4	.6	.5	.6
95.	*	.5	.4	.4	.4	.4	.4	.4	.6	.6	.3	.4	.9	.5	.4	.5	.4	.4	.6	.6	.8
100.	*	.5	.4	.4	.4	.4	.4	.4	.5	.4	.3	.1	.9	.7	.5	.5	.4	.4	.5	.6	.9
105.	*	.4	.4	.4	.4	.4	.4	.3	.3	.3	.1	1.0	.8	.5	.4	.4	.4	.4	.6	.9	.7
110.	*	.4	.4	.4	.4	.4	.4	.2	.3	.3	.1	.0	1.1	.8	.5	.5	.4	.4	.6	.9	.9
115.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	1.0	.8	.6	.5	.4	.4	.7	.8	.9
120.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	.8	.9	.7	.5	.5	.4	.7	.8	.9
125.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	.8	.9	.7	.5	.5	.4	.6	.9	.9
130.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.1	.0	.6	.9	.7	.5	.5	.4	.7	.9	.9
135.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.1	.0	.6	.9	.7	.8	.5	.5	.6	.9	.9
140.	*	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.0	.6	.9	.8	.8	.5	.5	.6	.8	.9
145.	*	.4	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.6	1.0	.8	.7	.5	.5	.7	.8	.8

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150. * .4 .4 .4 .4 .3 .3 .3 .2 .1 .0 .0 .7 1.1 .9 .8 .6 .5 .9 .8 .7
155. * .4 .4 .4 .4 .3 .2 .3 .1 .1 .0 .0 .7 .9 .9 .7 .6 .5 .8 .7 .7
160. * .4 .4 .3 .3 .2 .2 .1 .1 .0 .0 .0 .8 .8 .9 .6 .7 .6 .7 .7 .6
165. * .3 .3 .3 .3 .2 .2 .1 .1 .0 .0 .0 .7 .7 .7 .6 .6 .6 .7 .7 .6
170. * .3 .2 .2 .2 .1 .1 .1 .0 .0 .0 .0 .5 .6 .5 .4 .5 .6 .7 .6 .6
175. * .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .6 .4 .5 .4 .5 .4 .6 .6 .6
180. * .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .5 .5 .4 .4 .2 .2 .6 .6 .6
185. * .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .4 .3 .1 .1 .6 .6 .6
190. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .4 .4 .1 .1 .6 .6 .6
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .4 .1 .0 .6 .6 .6
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .3 .1 .0 .6 .6 .7
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .3 .1 .0 .6 .6 .7

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1

JOB: S13 MD410&SB 295 LBRT30PM

RUN: S13 MD410&SB 295 LBRT30PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

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*-----*
210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .3 .1 .0 .6 .6 .7
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .3 .1 .0 .6 .6 .8
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .3 .3 .1 .0 .7 .7 .8
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .3 .3 .1 .0 .7 .7 .9
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .3 .1 .1 .1 .7 .8 .9
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .1 .1 .0 .8 .8 .9
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .1 .1 .0 .8 .8 .9
245. * .1 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .8 .4 .2 .1 .1 .0 .8 .8 .9
250. * .2 .0 .0 .0 .0 .0 .2 .2 .2 .0 .0 .8 .4 .1 .1 .1 .0 .7 .8 1.0
255. * .3 .0 .0 .0 .0 .0 .3 .3 .3 .1 .1 .7 .3 .1 .1 .0 .7 .9 1.0
260. * .5 .1 .0 .0 .0 .0 .5 .5 .6 .3 .2 .7 .3 .1 .1 .0 .6 .8 .9
265. * .7 .1 .1 .0 .0 .0 .7 .7 .7 .4 .4 .5 .1 .1 .0 .0 .5 .7 .6
270. * .9 .2 .1 .1 .0 .0 .9 1.0 1.0 .7 .5 .5 .1 .0 .0 .0 .4 .4 .5
275. * 1.0 .3 .1 .1 .0 .0 1.1 1.3 1.0 .7 .6 .2 .1 .0 .0 .0 .2 .2 .3
280. * 1.1 .3 .1 .1 .0 .0 1.1 1.2 1.3 .9 .7 .2 .0 .0 .0 .0 .2 .2 .2
285. * 1.0 .5 .2 .1 .1 .0 1.1 1.1 1.3 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
290. * 1.0 .4 .3 .1 .1 .0 1.1 1.1 1.2 .9 .9 .0 .0 .0 .0 .0 .0 .0 .0
295. * 1.0 .5 .3 .1 .1 .0 1.2 1.2 1.0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
300. * 1.0 .5 .4 .1 .1 .0 1.1 1.1 1.0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
305. * .8 .5 .3 .2 .1 .0 1.1 1.1 .9 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
310. * .8 .5 .3 .2 .1 .0 1.0 1.0 .9 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
315. * .7 .5 .3 .2 .1 .0 1.0 1.0 .9 .7 .8 .0 .0 .0 .0 .0 .0 .0 .0
320. * .6 .4 .3 .3 .1 .0 .8 .9 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
325. * .6 .4 .3 .3 .1 .0 .8 .8 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
330. * .5 .4 .3 .3 .1 .0 .8 .8 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
335. * .5 .3 .3 .3 .1 .0 .8 .8 .8 .6 .6 .0 .0 .0 .0 .0 .0 .0 .0
340. * .5 .3 .3 .3 .1 .0 .8 .8 .8 .6 .6 .0 .0 .0 .0 .0 .0 .0 .0
345. * .6 .3 .3 .2 .1 .0 .8 .8 .8 .7 .6 .1 .1 .1 .1 .0 .0 .0 .0
350. * .5 .4 .3 .2 .0 .0 .8 .8 .8 .7 .6 .1 .1 .1 .1 .1 .0 .0 .0
355. * .7 .5 .4 .1 .1 .0 .8 .8 .8 .6 .6 .1 .1 .1 .3 .1 .0 .0 .0
360. * .9 .5 .4 .2 .1 .0 .3 .9 .8 .8 .6 .6 .4 .4 .4 .1 .1 .0 .0 .0

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MAX * 1.1 .7 .7 .6 .5 .4 1.3 1.3 1.3 1.0 1.1 1.1 1.1 .9 .8 .7 .6 .9 .9 1.0
DEGR. * 280 55 30 20 25 15 30 275 70 50 70 110 150 150 135 160 160 150 105 250

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1

JOB: S13 MD410&SB 295 LBRT30PM

RUN: S13 MD410&SB 295 LBRT30PM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

```

*-----*
0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .0 .0
45. * .1 .0
50. * .1 .0
55. * .1 .0
60. * .1 .1
65. * .1 .1
70. * .1 .0
75. * .2 .1
80. * .2 .2
85. * .6 .5
90. * .5 .6
95. * .6 .8
100. * .7 .9
105. * .9 .8

```

110.	*	.9	.8
115.	*	.9	.8
120.	*	.9	.8
125.	*	.8	.8
130.	*	.8	.8
135.	*	.8	.8
140.	*	.7	.8
145.	*	.7	.7
150.	*	.5	.7
155.	*	.5	.7
160.	*	.5	.7
165.	*	.5	.7
170.	*	.5	.7
175.	*	.5	.7
180.	*	.5	.7
185.	*	.6	.7
190.	*	.6	.7
195.	*	.6	.7
200.	*	.6	.7
205.	*	.7	.7

1

JOB: S13 MD410&SB 295 LBRT30PM

RUN: S13 MD410&SB 295 LBRT30PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.7	.7
215.	*	.8	.8
220.	*	.9	.8
225.	*	.9	.8
230.	*	.9	.8
235.	*	.9	.7
240.	*	.9	.7
245.	*	.8	.7
250.	*	.8	.7
255.	*	.7	.7
260.	*	.7	.5
265.	*	.6	.5
270.	*	.4	.3
275.	*	.2	.2
280.	*	.2	.2
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .9 .9

DEGR. \* 105 100

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 30 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 275 DEGREES FROM REC8 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 70 DEGREES FROM REC9 .

S13 MD410&SB 295 HBRT30AM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 HBRT30AM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	30 3.2 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
110	101	2.0 30 32.1 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	1445 3.2 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
110	13	2.0 1445 32.1 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2245 3.5 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
110	21	2.0 2245 32.1 1759 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	2245 3.5 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	1545 3.2 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
110	69	2.0 1545 32.1 1667 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	320 3.5 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
110	82	2.0 320 32.1 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1959 3.5 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
110	27	2.0 1959 32.1 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	320 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	81	2.0 320 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	105 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	81	2.0 105 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	515 3.0 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	315 3.5 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
110	82	2.0 315 32.1 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1174 3.5 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
110	17	2.0 1174 32.1 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	1244 3.5 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	2190 3.2 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
110	58	2.0 2190 32.1 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	2190 3.2 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	2190	3.2	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	440	3.0	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
110		91	2.0 440 32.1 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	630	3.0	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	3125	4.5	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	3125	4.5	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4700	3.4	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4700	3.4	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	0.6	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	0.6	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	0.6	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	0.6	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	0.6	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
110		13	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	0.6	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
110		69	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	0.6	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	0.6	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
110		17	2.0 34 4.4 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	0.5	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	0.5	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
110		21	2.0 34 4.4 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	0.5	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
110		27	2.0 34 4.4 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	0.5	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		58	2.0 34 4.4 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	0.5	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	0.5	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	0.5	0.	32	25
1.0	04	1000	0Y 5 0 72					



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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	30.	3.2	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338490.5	471428.6	*	17.	268. AG	79.	100.0	.0	12.0	.38 .8
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	1445.	3.2	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	338307.0	471403.7	*	213.	269. AG	10.	100.0	.0	12.0	.97 10.8
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2245.	3.5	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338764.8	471459.6	*	129.	88. AG	33.	100.0	.0	24.0	.83 6.5
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	2245.	3.5	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	1545.	3.2	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	338803.4	471416.6	*	243.	269. AG	162.	100.0	.0	36.0	.92 12.3
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	320.	3.5	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339289.6	471452.3	*	161.	88. AG	64.	100.0	.0	12.0	.83 8.2
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1959.	3.5	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339275.5	471473.2	*	145.	89. AG	42.	100.0	.0	24.0	.77 7.3
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	320.	3.0	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339070.6	471676.3	*	175.	1. AG	63.	100.0	.0	12.0	.89 8.9
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	105.	3.0	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471523.0	*	23.	360. AG	127.	100.0	.0	24.0	.13 1.2
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	515.	3.0	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	315.	3.5	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339417.1	471446.0	*	156.	268. AG	64.	100.0	.0	12.0	.82 7.9
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1174.	3.5	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339510.5	471435.5	*	55.	268. AG	27.	100.0	.0	24.0	.41 2.8
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	1244.	3.5	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	1244.	3.5	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	1244.	3.5	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	1244.	3.5	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	1244.	3.5	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	2190.	3.2	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339780.5	471478.0	*	173.	90. AG	182.	100.0	.0	48.0	.75 8.8
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	2190.	3.2	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	2190.	3.2	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	440.	3.0	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339562.8	471325.2	*	74.	185. AG	214.	100.0	.0	36.0	.64 3.8
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	630.	3.0	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	3125.	4.5	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	3125.	4.5	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4700.	3.4	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4700.	3.4	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	.6	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	.6	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	.6	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	.6	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	.6	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339549.6	471419.9	*	2.	265. AG	1.	100.0	.0	12.0	.02 .1

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	.6	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339031.2	471406.8	*	13.	267. AG	7.	100.0	.0	12.0	.06 .7
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	.6	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	.6	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338495.9	471389.0	*	3.	266. AG	2.	100.0	.0	12.0	.02 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	.5	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	.5	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338643.9	471472.2	*	4.	86. AG	2.	100.0	.0	12.0	.02 .2
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	.5	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339137.0	471491.0	*	5.	90. AG	3.	100.0	.0	12.0	.03 .3
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	.5	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339625.7	471493.2	*	11.	84. AG	6.	100.0	.0	12.0	.05 .5
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	.5	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	.5	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	.5	.0	32.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2. EBL	410&64	*	110	101	2.0	30	1770	32.10	1	3
4. EBT	410&64	*	110	13	2.0	1445	1770	32.10	1	3
6. WBALL	410&64	*	110	21	2.0	2245	1759	32.10	1	3
9. EBALL	410&SB	*	110	69	2.0	1545	1667	32.10	1	3
11. WBL	410&SB	*	110	82	2.0	320	1770	32.10	1	3
13. WBT	410&SB	*	110	27	2.0	1959	1770	32.10	1	3
15. SBR	410&SB	*	110	81	2.0	320	1583	32.10	1	3
17. SBL	410&SB	*	110	81	2.0	105	1717	32.10	1	3
20. EBL	410&NB	*	110	82	2.0	315	1770	32.10	1	3
22. EBT	410&NB	*	110	17	2.0	1174	1770	32.10	1	3
29. WBALL	410&NB	*	110	58	2.0	2190	1667	32.10	1	3
33. NBALL	410&NB	*	110	91	2.0	440	1672	32.10	1	3
44. EBT	410BUS	*	110	13	2.0	34	1717	4.40	1	3
46. EBT	410BUS	*	110	69	2.0	34	1717	4.40	1	3
49. EBT	410BUS	*	110	17	2.0	34	1717	4.40	1	3
52. WB	410BUS	*	110	21	2.0	34	1762	4.40	1	3
54. WB	410BUS	*	110	27	2.0	34	1770	4.40	1	3
56. WBALL	410BUS	*	110	58	2.0	34	1667	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	* REC1	* REC2	* REC3	* REC4	* REC5	* REC6	* REC7	* REC8	* REC9	* REC10	* REC11	* REC12	* REC13	* REC14	* REC15	* REC16	* REC17	* REC18	* REC19	* REC20
0.	* .4	.2	.1	.1	.1	.2	.8	.8	.7	.3	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0
5.	* .4	.2	.1	.1	.2	.2	.9	.8	.7	.4	.2	.3	.3	.2	.2	.0	.0	.0	.0	.0
10.	* .5	.3	.3	.2	.2	.3	.7	.8	.6	.3	.2	.4	.3	.2	.2	.1	.0	.1	.0	.0
15.	* .5	.3	.3	.3	.2	.4	.7	.7	.6	.2	.2	.5	.5	.3	.3	.1	.0	.1	.1	.0
20.	* .7	.5	.4	.5	.3	.3	.8	.8	.7	.2	.2	.5	.5	.3	.3	.1	.0	.1	.1	.1
25.	* .7	.6	.4	.4	.3	.4	.8	.8	.7	.2	.2	.5	.5	.3	.3	.2	.1	.1	.1	.1
30.	* .7	.6	.6	.4	.3	.4	1.0	.9	.9	.2	.2	.5	.5	.3	.3	.2	.1	.1	.1	.1
35.	* .7	.6	.5	.4	.3	.3	1.0	1.0	.9	.3	.2	.5	.5	.4	.3	.2	.1	.2	.1	.1
40.	* .6	.6	.5	.3	.3	.3	1.0	1.0	.9	.3	.2	.5	.5	.4	.3	.2	.1	.3	.2	.1
45.	* .6	.6	.4	.3	.3	.3	1.0	1.0	1.0	.3	.2	.5	.5	.4	.3	.2	.2	.3	.2	.1
50.	* .7	.5	.4	.3	.3	.3	1.0	1.0	1.0	.4	.2	.5	.5	.4	.3	.3	.2	.3	.2	.2
55.	* .6	.6	.3	.3	.3	.3	.7	.9	.9	.4	.2	.6	.5	.4	.3	.3	.2	.3	.2	.2
60.	* .6	.6	.3	.3	.3	.3	.8	1.0	.9	.4	.3	.6	.5	.4	.3	.3	.2	.3	.2	.1
65.	* .7	.5	.3	.3	.3	.3	.7	1.0	.9	.5	.3	.6	.5	.4	.3	.3	.2	.3	.1	.1
70.	* .7	.4	.3	.3	.3	.3	.7	.8	1.0	.5	.3	.5	.5	.4	.3	.3	.3	.2	.1	.1
75.	* .6	.3	.3	.3	.3	.3	.6	1.0	1.0	.5	.3	.5	.5	.5	.3	.3	.3	.2	.1	.2
80.	* .6	.4	.3	.3	.3	.3	.6	.9	.9	.4	.3	.6	.4	.5	.3	.3	.3	.2	.2	.2
85.	* .6	.4	.3	.3	.3	.3	.7	.7	.8	.3	.2	.6	.4	.5	.3	.3	.3	.3	.3	.2
90.	* .5	.4	.3	.3	.3	.3	.6	.7	.5	.2	.1	.6	.5	.4	.3	.3	.3	.4	.4	.4
95.	* .5	.4	.3	.3	.3	.3	.4	.4	.5	.2	.0	.7	.5	.4	.3	.3	.3	.4	.5	.6
100.	* .3	.3	.3	.3	.3	.3	.2	.4	.4	.1	.0	.8	.6	.5	.2	.3	.3	.5	.5	.7
105.	* .4	.3	.3	.3	.3	.3	.2	.2	.3	.1	.0	1.0	.6	.5	.2	.3	.3	.6	.6	.6
110.	* .4	.3	.3	.3	.3	.3	.2	.2	.2	.1	.0	1.0	.6	.5	.2	.3	.3	.6	.7	.8
115.	* .4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	.8	.6	.6	.3	.3	.3	.7	.7	.8
120.	* .4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	.7	.6	.6	.3	.3	.3	.6	.8	.8
125.	* .4	.4	.4	.3	.3	.3	.2	.2	.2	.1	.0	.6	.6	.6	.3	.3	.3	.4	.8	.9
130.	* .4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.0	.6	.5	.6	.3	.2	.3	.6	.8	.9
135.	* .4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.0	.6	.7	.6	.3	.2	.3	.6	.7	.9
140.	* .4	.4	.4	.4	.3	.2	.3	.2	.1	.0	.5	.7	.6	.3	.3	.3	.3	.6	.7	.7
145.	* .4	.4	.4	.4	.3	.2	.3	.2	.1	.0	.0	.6	.7	.6	.3	.3	.2	.6	.7	.7

```

150. * .4 .4 .4 .4 .2 .2 .3 .1 .1 .0 .0 .5 .8 .6 .4 .3 .2 .7 .6 .7
155. * .4 .4 .4 .3 .2 .1 .1 .1 .1 .0 .0 .5 .6 .5 .4 .3 .3 .6 .6 .6
160. * .4 .3 .3 .3 .1 .1 .1 .1 .0 .0 .0 .5 .6 .6 .5 .4 .3 .6 .6 .5
165. * .3 .3 .3 .2 .1 .1 .1 .1 .0 .0 .0 .5 .4 .5 .4 .3 .3 .6 .6 .5
170. * .3 .2 .2 .1 .1 .0 .1 .0 .0 .0 .0 .5 .3 .3 .3 .2 .2 .6 .5 .5
175. * .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .5 .3 .3 .3 .2 .2 .5 .5 .5
180. * .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .4 .2 .1 .1 .5 .5 .5
185. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .3 .3 .2 .0 .0 .5 .5 .4
190. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .3 .2 .0 .0 .5 .5 .4
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .2 .2 .0 .0 .5 .5 .4
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .2 .2 .0 .0 .5 .5 .4
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .3 .2 .2 .0 .0 .5 .5 .3

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1

JOB: S13 MD410&SB 295 HBRT30AM

RUN: S13 MD410&SB 295 HBRT30AM

PAGE 5

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

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*-----*
210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .2 .2 .0 .0 .5 .5 .3
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .2 .2 .0 .0 .5 .5 .3
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .4 .2 .1 .0 .0 .5 .5 .4
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .2 .1 .0 .0 .5 .6 .4
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .2 .0 .0 .0 .6 .5 .4
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .1 .0 .0 .0 .6 .5 .4
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .1 .0 .0 .0 .6 .5 .4
245. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .2 .0 .0 .0 .0 .5 .4 .5
250. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .1 .0 .0 .0 .0 .5 .4 .6
255. * .2 .0 .0 .0 .0 .0 .2 .2 .1 .0 .0 .5 .1 .0 .0 .0 .0 .5 .5 .4
260. * .2 .0 .0 .0 .0 .0 .2 .2 .1 .0 .0 .4 .1 .0 .0 .0 .0 .3 .3 .3
265. * .3 .0 .0 .0 .0 .0 .3 .3 .1 .1 .0 .3 .0 .0 .0 .0 .2 .3 .3
270. * .6 .0 .0 .0 .0 .0 .6 .4 .2 .2 .1 .1 .0 .0 .0 .0 .1 .2 .2
275. * .7 .0 .0 .0 .0 .0 .7 .7 .3 .2 .1 .1 .0 .0 .0 .0 .1 .1 .2
280. * .7 .2 .0 .0 .0 .0 .8 .8 .5 .2 .1 .1 .0 .0 .0 .0 .1 .1 .1
285. * .8 .3 .0 .0 .0 .0 .8 .8 .5 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
290. * .8 .3 .0 .0 .0 .0 .9 .8 .5 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
295. * .7 .4 .0 .0 .0 .0 .9 .8 .5 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0
300. * .7 .4 .1 .0 .0 .0 .9 .8 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
305. * .7 .4 .2 .0 .0 .0 .9 .8 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
310. * .6 .4 .3 .0 .0 .0 .8 .8 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
315. * .6 .4 .3 .1 .0 .0 .8 .8 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
320. * .5 .4 .3 .1 .0 .0 .8 .8 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
325. * .5 .4 .2 .1 .0 .0 .8 .8 .7 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
330. * .4 .4 .2 .1 .0 .0 .8 .8 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
335. * .3 .4 .2 .1 .1 .0 .7 .7 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
340. * .3 .3 .2 .1 .1 .0 .7 .7 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
345. * .3 .3 .2 .1 .1 .0 .7 .7 .6 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0
350. * .2 .3 .1 .1 .0 .0 .8 .8 .6 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0
355. * .4 .4 .2 .2 .1 .1 .8 .8 .7 .3 .2 .1 .1 .0 .0 .0 .0 .0 .0
360. * .4 .2 .1 .1 .1 .2 .8 .8 .7 .3 .2 .2 .1 .1 .0 .0 .0 .0 .0

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MAX * .8 .6 .6 .5 .3 .4 1.0 1.0 1.0 .5 .3 1.0 .8 .6 .5 .4 .3 .7 .8 .9
DEGR. * 285 25 30 20 20 15 30 75 45 65 60 105 150 115 160 160 70 115 120 125

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1

JOB: S13 MD410&SB 295 HBRT30AM

RUN: S13 MD410&SB 295 HBRT30AM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

```

*-----*
0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .0 .0
45. * .1 .0
50. * .1 .0
55. * .1 .0
60. * .1 .0
65. * .1 .0
70. * .1 .0
75. * .2 .1
80. * .2 .1
85. * .3 .3
90. * .5 .3
95. * .5 .4
100. * .5 .5
105. * .6 .4

```

110.	*	.6	.4
115.	*	.5	.4
120.	*	.5	.4
125.	*	.5	.4
130.	*	.4	.4
135.	*	.4	.4
140.	*	.3	.4
145.	*	.3	.3
150.	*	.3	.3
155.	*	.3	.3
160.	*	.3	.3
165.	*	.3	.3
170.	*	.3	.3
175.	*	.3	.3
180.	*	.3	.3
185.	*	.3	.3
190.	*	.3	.3
195.	*	.3	.3
200.	*	.3	.3
205.	*	.3	.3

1

JOB: S13 MD410&SB 295 HBRT30AM

RUN: S13 MD410&SB 295 HBRT30AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.3	.3
215.	*	.3	.4
220.	*	.4	.4
225.	*	.4	.4
230.	*	.4	.4
235.	*	.4	.4
240.	*	.4	.4
245.	*	.4	.4
250.	*	.4	.4
255.	*	.4	.3
260.	*	.4	.2
265.	*	.2	.2
270.	*	.2	.1
275.	*	.1	.1
280.	*	.1	.1
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .6 .5

DEGR. \* 105 100

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 30 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 75 DEGREES FROM REC8 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 105 DEGREES FROM REC12.

S13 MD410&SB 295 HBRT30PM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 HBRT30PM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	100 3.7 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
130	114	2.0 100 32.1 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	2320 3.7 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
130	12	2.0 2320 32.1 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2285 3.7 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
130	27	2.0 2285 32.1 1757 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	2250 3.5 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	2500 3.7 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
130	74	2.0 2500 32.1 1667 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	345 3.7 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
130	100	2.0 345 32.1 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1919 3.7 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
130	30	2.0 1919 32.1 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	395 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
130	98	2.0 395 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	225 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
130	98	2.0 225 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	735 3.0 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	200 4.2 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
130	110	2.0 200 32.1 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	2069 4.2 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
130	23	2.0 2069 32.1 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	2344 4.2 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	2020 3.2 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
130	74	2.0 2020 32.1 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	2020 3.2 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	2020	3.2	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	655	3.0	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
130		105	2.0 655 32.1 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	370	3.0	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	4925	3.2	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	4925	3.2	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4550	3.6	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4550	3.6	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	0.7	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	0.7	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	0.7	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	0.7	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	0.7	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
130		12	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	0.7	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
130		74	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	0.7	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	0.7	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
130		23	2.0 34 4.4 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	0.9	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	0.9	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
130		27	2.0 34 4.4 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	0.9	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
130		30	2.0 34 4.4 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	0.9	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		74	2.0 34 4.4 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	0.9	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	0.9	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	0.9	0.	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S13 MD410&SB 295 HBRT30PM  
DATE: 10/14/2007 TIME: 10:16:45.83

RUN: S13 MD410&SB 295 HBRT30PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	100.	3.7	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338443.3	471427.4	*	64.	269. AG	76.	100.0	.0	12.0	.61 3.2
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	2320.	3.7	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	330522.5	471207.9	*	8000.	269. AG	8.	100.0	.0	12.0	1.49 406.4
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2285.	3.7	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338805.8	471461.1	*	170.	88. AG	36.	100.0	.0	24.0	.85 8.6
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	2250.	3.5	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	2500.	3.7	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	336908.8	471382.0	*	2138.	269. AG	147.	100.0	.0	36.0	1.25 108.6
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	345.	3.7	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339390.7	471455.0	*	262.	89. AG	66.	100.0	.0	12.0	.97 13.3
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1919.	3.7	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339288.3	471473.4	*	157.	89. AG	40.	100.0	.0	24.0	.73 8.0
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	395.	3.0	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339080.7	472358.0	*	857.	1. AG	65.	100.0	.0	12.0	1.16 43.5
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	225.	3.0	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471560.0	*	60.	360. AG	130.	100.0	.0	24.0	.30 3.0
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	735.	3.0	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	200.	4.2	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339413.8	471445.9	*	159.	269. AG	73.	100.0	.0	12.0	.92 8.1
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	2069.	4.2	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339435.0	471433.4	*	130.	269. AG	30.	100.0	.0	24.0	.74 6.6
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	2344.	4.2	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	2344.	4.2	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	2344.	4.2	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	2344.	4.2	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	2344.	4.2	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	2020.	3.2	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339811.4	471478.0	*	204.	90. AG	196.	100.0	.0	48.0	.76 10.4
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	2020.	3.2	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	2020.	3.2	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	655.	3.0	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339557.4	471260.5	*	139.	185. AG	209.	100.0	.0	36.0	.81 7.1
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	370.	3.0	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4925.	3.2	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4925.	3.2	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4550.	3.6	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4550.	3.6	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	.7	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	.7	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	.7	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	.7	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	.7	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339549.8	471419.9	*	2.	268. AG	1.	100.0	.0	12.0	.02 .1

JOB: S13 MD410&SB 295 HBRT30PM  
DATE: 10/14/2007 TIME: 10:16:45.83

RUN: S13 MD410&SB 295 HBRT30PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	.7	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339030.2	471406.8	*	14.	270. AG	7.	100.0	.0	12.0	.05 .7
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	.7	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	.7	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338494.7	471388.9	*	4.	270. AG	2.	100.0	.0	12.0	.03 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	.9	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	.9	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338645.0	471472.3	*	5.	90. AG	2.	100.0	.0	12.0	.03 .3
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	.9	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339137.6	471491.0	*	6.	90. AG	3.	100.0	.0	12.0	.03 .3
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	.9	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339628.7	471493.6	*	14.	83. AG	8.	100.0	.0	12.0	.07 .7
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	.9	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	.9	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	.9	.0	32.0	

JOB: S13 MD410&SB 295 HBRT30PM  
DATE: 10/14/2007 TIME: 10:16:45.83

RUN: S13 MD410&SB 295 HBRT30PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	130	114	2.0	100	1770	32.10	1	3
4.	EBT	410&64	*	130	12	2.0	2320	1770	32.10	1	3
6.	WBALL	410&64	*	130	27	2.0	2285	1757	32.10	1	3
9.	EBALL	410&SB	*	130	74	2.0	2500	1667	32.10	1	3
11.	WBL	410&SB	*	130	100	2.0	345	1770	32.10	1	3
13.	WBT	410&SB	*	130	30	2.0	1919	1770	32.10	1	3
15.	SBR	410&SB	*	130	98	2.0	395	1583	32.10	1	3
17.	SBL	410&SB	*	130	98	2.0	225	1717	32.10	1	3
20.	EBL	410&NB	*	130	110	2.0	200	1770	32.10	1	3
22.	EBT	410&NB	*	130	23	2.0	2069	1770	32.10	1	3
29.	WBALL	410&NB	*	130	74	2.0	2020	1667	32.10	1	3
33.	NBALL	410&NB	*	130	105	2.0	655	1672	32.10	1	3
44.	EBT	410BUS	*	130	12	2.0	34	1717	4.40	1	3
46.	EBT	410BUS	*	130	74	2.0	34	1717	4.40	1	3
49.	EBT	410BUS	*	130	23	2.0	34	1717	4.40	1	3
52.	WB	410BUS	*	130	27	2.0	34	1762	4.40	1	3
54.	WB	410BUS	*	130	30	2.0	34	1770	4.40	1	3
56.	WBALL	410BUS	*	110	74	2.0	34	1667	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR		COORDINATES (FT)			
		X	Y	Z	
1.	SW COR	339072.0	471389.0	5.0	*
2.	SW 82S	339073.0	471321.0	5.0	*
3.	SW 164S	339074.0	471238.0	5.0	*
4.	SW 256S	339074.0	471157.0	5.0	*
5.	SW MIDS	339075.0	470977.0	5.0	*
6.	SW MIDS	339093.0	470795.0	5.0	*
7.	SW 82W	339003.0	471390.0	5.0	*
8.	SW 164W	338944.0	471389.0	5.0	*
9.	SW 256W	338840.0	471385.0	5.0	*
10.	SW MIDW	338592.0	471371.0	5.0	*
11.	SW MIDW	338329.0	471366.0	5.0	*
12.	NW COR	339050.0	471507.0	5.0	*
13.	NW 82N	339052.0	471578.0	5.0	*
14.	NW 164N	339054.0	471661.0	5.0	*
15.	NW 256N	339057.0	471742.0	5.0	*
16.	NW MIDN	339054.0	472002.0	5.0	*
17.	NW MIDN	339055.0	472232.0	5.0	*
18.	NW 82W	338979.0	471504.0	5.0	*
19.	NW 164W	338897.0	471500.0	5.0	*
20.	NW 256W	338814.0	471495.0	5.0	*
21.	NW MIDW	338527.0	471482.0	5.0	*
22.	NW MIDW	338324.0	471473.0	5.0	*

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JOB: S13 MD410&SB 295 HBRT30PM

RUN: S13 MD410&SB 295 HBRT30PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.9	.5	.4	.2	.1	.3	.9	.8	.8	.6	.6	.4	.4	.4	.4	.1	.1	.0	.0	.0
5.	*	.8	.6	.3	.3	.3	1.0	.8	.8	.7	.6	.4	.4	.4	.4	.2	.1	.2	.0	.0	
10.	*	.9	.6	.4	.3	.3	1.0	.9	.8	.8	.6	.4	.4	.4	.5	.4	.1	.2	.0	.0	
15.	*	.9	.4	.4	.5	.4	.4	1.0	1.0	.8	.7	.6	.5	.5	.5	.6	.4	.1	.2	.1	
20.	*	.9	.6	.5	.6	.4	.3	1.1	1.0	.9	.6	.6	.5	.5	.5	.6	.4	.1	.2	.1	
25.	*	.8	.6	.6	.5	.5	.4	1.2	1.0	.9	.6	.6	.7	.6	.5	.6	.5	.3	.2	.1	
30.	*	.8	.6	.7	.5	.4	.4	1.3	1.1	.9	.7	.7	.7	.6	.6	.6	.5	.3	.3	.2	
35.	*	.8	.6	.6	.6	.4	.4	1.2	1.1	.9	.8	.7	.7	.6	.6	.6	.4	.3	.4	.2	
40.	*	.8	.6	.6	.5	.4	.4	1.2	1.1	1.0	.9	.8	.7	.6	.6	.6	.4	.3	.3	.2	
45.	*	.9	.7	.6	.5	.4	.4	1.0	1.1	1.2	.9	.8	.7	.5	.5	.6	.5	.4	.3	.2	
50.	*	.9	.6	.6	.5	.4	.4	1.2	1.1	1.1	1.0	.8	.7	.5	.5	.5	.5	.4	.3	.2	
55.	*	.9	.7	.6	.5	.4	.4	1.0	1.1	1.2	1.0	.9	.7	.5	.5	.5	.5	.3	.3	.2	
60.	*	1.0	.6	.5	.4	.4	.4	.9	1.1	1.1	1.0	.9	.7	.5	.5	.5	.5	.3	.4	.2	
65.	*	.9	.6	.5	.4	.4	.4	.8	1.1	1.1	1.0	.9	.7	.5	.5	.5	.5	.3	.4	.2	
70.	*	.9	.5	.4	.4	.4	.4	1.1	1.0	1.3	.9	1.1	.6	.5	.5	.5	.4	.4	.3	.1	
75.	*	.8	.5	.4	.4	.4	.4	.9	1.0	1.2	.9	.9	.6	.5	.5	.5	.4	.4	.3	.1	
80.	*	.9	.5	.4	.4	.4	.4	.9	1.0	1.2	.8	.9	.7	.4	.5	.5	.4	.4	.3	.2	
85.	*	.7	.5	.4	.4	.4	.4	.9	.9	1.0	.7	.7	.7	.4	.5	.5	.4	.4	.6	.5	
90.	*	.6	.4	.4	.4	.4	.4	.8	.8	.7	.4	.5	.9	.5	.4	.5	.4	.4	.6	.5	
95.	*	.5	.4	.4	.4	.4	.4	.4	.6	.6	.3	.4	.9	.5	.4	.5	.4	.4	.6	.8	
100.	*	.5	.4	.4	.4	.4	.4	.4	.5	.4	.3	.1	.9	.7	.5	.5	.4	.4	.5	.6	
105.	*	.4	.4	.4	.4	.4	.4	.3	.3	.3	.1	1.1	.8	.5	.4	.4	.4	.6	.9	.7	
110.	*	.4	.4	.4	.4	.4	.4	.2	.3	.3	.1	.0	1.1	.8	.5	.5	.4	.4	.6	.9	
115.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	1.0	.8	.6	.5	.4	.4	.7	.8	
120.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	.8	.9	.7	.5	.5	.4	.7	.8	
125.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	.8	.9	.7	.5	.5	.4	.6	.9	
130.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.1	.0	.6	.9	.7	.5	.5	.4	.7	.9	
135.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.1	.0	.6	.9	.7	.8	.5	.5	.6	.9	
140.	*	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.0	.6	.9	.8	.8	.5	.5	.6	.8	
145.	*	.4	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.6	1.0	.8	.7	.5	.5	.7	.8	



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150. * .4 .4 .4 .4 .3 .3 .3 .2 .1 .0 .0 .7 1.1 .9 .8 .6 .5 .9 .8 .7
155. * .4 .4 .4 .4 .3 .2 .3 .1 .1 .0 .0 .7 .9 .9 .7 .6 .5 .8 .7 .7
160. * .4 .4 .3 .3 .2 .2 .1 .1 .0 .0 .0 .8 .8 .9 .6 .7 .6 .7 .7 .6
165. * .3 .3 .3 .3 .2 .2 .1 .1 .0 .0 .0 .7 .7 .7 .6 .6 .6 .7 .7 .6
170. * .3 .2 .2 .2 .1 .1 .1 .0 .0 .0 .0 .5 .6 .5 .4 .5 .6 .7 .6 .6
175. * .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .6 .4 .5 .4 .5 .4 .6 .6 .6
180. * .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .5 .5 .4 .4 .2 .2 .6 .6 .6
185. * .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .4 .3 .1 .1 .6 .6 .6
190. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .4 .4 .1 .1 .6 .6 .6
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .4 .1 .0 .6 .6 .6
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .3 .1 .0 .6 .6 .7
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .3 .1 .0 .6 .6 .7

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JOB: S13 MD410&SB 295 HBRT30PM

RUN: S13 MD410&SB 295 HBRT30PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

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210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .3 .1 .0 .6 .6 .7
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .3 .3 .1 .0 .6 .6 .8
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .3 .3 .1 .0 .7 .7 .8
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .3 .3 .1 .0 .7 .7 .9
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .3 .1 .1 .1 .7 .8 .9
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .1 .1 .0 .8 .8 .9
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .3 .1 .1 .0 .8 .8 .9
245. * .1 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .8 .4 .2 .1 .1 .0 .8 .8 .9
250. * .2 .0 .0 .0 .0 .0 .2 .2 .2 .0 .0 .8 .4 .1 .1 .1 .0 .7 .8 1.0
255. * .3 .0 .0 .0 .0 .0 .3 .3 .3 .1 .1 .7 .3 .1 .1 .0 .7 .9 1.0
260. * .5 .1 .0 .0 .0 .0 .5 .5 .6 .3 .2 .7 .3 .1 .1 .0 .6 .8 .9
265. * .7 .1 .1 .0 .0 .0 .7 .7 .7 .4 .4 .5 .1 .1 .0 .0 .5 .7 .6
270. * .9 .2 .1 .1 .0 .0 .9 1.0 1.0 .7 .5 .5 .1 .0 .0 .0 .4 .4 .5
275. * 1.0 .3 .1 .1 .0 .0 1.1 1.3 1.0 .7 .6 .2 .1 .0 .0 .0 .2 .2 .3
280. * 1.1 .3 .1 .1 .0 .0 1.1 1.2 1.3 .9 .7 .2 .0 .0 .0 .0 .2 .2 .2
285. * 1.0 .5 .2 .1 .1 .0 1.1 1.1 1.3 .9 .8 .0 .0 .0 .0 .0 .0 .0 .0
290. * 1.0 .4 .3 .1 .1 .1 1.1 1.1 1.2 .9 .9 .0 .0 .0 .0 .0 .0 .0 .0
295. * 1.0 .5 .3 .1 .1 .1 1.2 1.2 1.0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
300. * 1.0 .5 .4 .1 .1 .1 1.1 1.1 1.0 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
305. * .8 .5 .3 .2 .1 .1 1.1 1.1 .9 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
310. * .8 .5 .3 .2 .1 .1 1.0 1.0 .9 .8 .8 .0 .0 .0 .0 .0 .0 .0 .0
315. * .7 .5 .3 .2 .1 .1 1.0 1.0 .9 .7 .8 .0 .0 .0 .0 .0 .0 .0 .0
320. * .6 .4 .3 .3 .1 .1 .8 .9 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
325. * .6 .4 .3 .3 .1 .1 .8 .8 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
330. * .5 .4 .3 .3 .1 .1 .8 .8 .8 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
335. * .5 .3 .3 .3 .1 .1 .8 .8 .8 .6 .6 .0 .0 .0 .0 .0 .0 .0 .0
340. * .5 .3 .3 .3 .1 .0 .8 .8 .8 .6 .6 .0 .0 .0 .0 .0 .0 .0 .0
345. * .6 .3 .3 .2 .1 .0 .8 .8 .8 .7 .6 .1 .1 .1 .1 .0 .0 .0 .0
350. * .5 .4 .3 .2 .0 .0 .8 .8 .8 .7 .6 .1 .1 .1 .1 .1 .0 .0 .0
355. * .7 .5 .4 .1 .1 .1 .8 .8 .8 .6 .6 .1 .1 .1 .3 .1 .0 .0 .0
360. * .9 .5 .4 .2 .1 .1 .3 .9 .8 .8 .6 .6 .4 .4 .4 .1 .1 .0 .0 .0

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MAX * 1.1 .7 .7 .6 .5 .4 1.3 1.3 1.3 1.0 1.1 1.1 1.1 .9 .8 .7 .6 .9 .9 1.0
DEGR. * 280 55 30 20 25 15 30 275 70 50 70 110 150 150 135 160 160 150 105 250

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JOB: S13 MD410&SB 295 HBRT30PM

RUN: S13 MD410&SB 295 HBRT30PM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

```

*-----*
0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .0 .0
45. * .1 .0
50. * .1 .0
55. * .1 .0
60. * .1 .1
65. * .1 .1
70. * .1 .0
75. * .2 .1
80. * .2 .2
85. * .6 .5
90. * .5 .6
95. * .6 .8
100. * .7 .9
105. * .9 .8

```

110.	*	.9	.8
115.	*	.9	.8
120.	*	.9	.8
125.	*	.8	.8
130.	*	.8	.8
135.	*	.8	.8
140.	*	.7	.8
145.	*	.7	.7
150.	*	.5	.7
155.	*	.5	.7
160.	*	.5	.7
165.	*	.5	.7
170.	*	.5	.7
175.	*	.5	.7
180.	*	.5	.7
185.	*	.6	.7
190.	*	.6	.7
195.	*	.6	.7
200.	*	.6	.7
205.	*	.7	.7

1

JOB: S13 MD410&SB 295 HBRT30PM

RUN: S13 MD410&SB 295 HBRT30PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.7	.7
215.	*	.8	.8
220.	*	.9	.8
225.	*	.9	.8
230.	*	.9	.8
235.	*	.9	.7
240.	*	.9	.7
245.	*	.8	.7
250.	*	.8	.7
255.	*	.7	.7
260.	*	.7	.5
265.	*	.6	.5
270.	*	.4	.3
275.	*	.2	.2
280.	*	.2	.2
285.	*	.0	.0
290.	*	.0	.0
295.	*	.0	.0
300.	*	.0	.0
305.	*	.0	.0
310.	*	.0	.0
315.	*	.0	.0
320.	*	.0	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX	*	.9	.9
DEGR.	*	105	100

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 30 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 275 DEGREES FROM REC8 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 70 DEGREES FROM REC9 .

S13 MD410&SB 295 LLRT30 AM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 LLRT AM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	3125 4.5 0. 44	64	
1					
NB	I295	AG339464.471638.339385.470489.	3125 4.5 0. 44	64	
1					
SB	I295	AG339230.470499.339198.471395.	4700 3.4 0. 44	45	
1					
SB	I295	AG339198.471395.339198.472460.	4700 3.4 0. 44	45	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	30 3.2 0. 32	22	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	30 3.2 0. 32	22	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	101	2.0 30 32.1 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	1445 3.2 0. 44	22	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	1445 3.2 0. 44	22	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	13	2.0 1445 32.1 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	2245 3.5 0. 44	18	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	2245 3.5 0. 44	18	
1					
WB	64th Ave	AG338591.471461.338706.471469.	2150 3.5 0. 44	18	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
110	21	2.0 2150 32.1 1759 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	2150 3.5 0. 44	18	
1					
SBR	410&SB	AG339068.471452.339082.472350.	320 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	81	2.0 320 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	105 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	81	2.0 105 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	515 3.0 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	1545 3.2 0. 56	22	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	70	2.0 1545 32.1 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	1545 3.2 0. 56	22	
1					
WBL	295SB	AG339071.471466.339146.471457.	320 3.5 0. 32	18	
1					
WBL	295SB	AG339146.471457.339571.471464.	320 3.5 0. 32	18	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	82	2.0 320 32.1 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1935 3.5 0. 44	18	
1					
WBT	295SB	AG339143.471474.339575.471481.	1935 3.5 0. 44	18	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
110	27	2.0 1935 32.1 1770 1 3			
1					
EBL	295NB	AG339581.471452.339143.471446.	315 3.5 0. 32	18	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	82	2.0 315 32.1 1770 1 3			

[illegible]

JOB: S13 MD410&SB 295 LLRT30 AM  
DATE: 10/24/2007 TIME: 22:09:40.10

RUN: S13 MD410&SB 295 LLRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	3125.	4.5	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	3125.	4.5	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4700.	3.4	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4700.	3.4	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	30.	3.2	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	30.	3.2	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338486.5	471432.5	*	17.	268. AG	79.	100.0	.0	12.0	.38
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	1445.	3.2	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	1445.	3.2	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338445.7	471413.0	*	51.	269. AG	20.	100.0	.0	24.0	.48
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	2245.	3.5	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	2245.	3.5	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	2150.	3.5	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338762.0	471474.1	*	123.	85. AG	33.	100.0	.0	24.0	.79
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	2150.	3.5	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	320.	3.0	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339070.6	471676.3	*	175.	1. AG	63.	100.0	.0	12.0	.89
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	105.	3.0	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471523.0	*	23.	360. AG	127.	100.0	.0	24.0	.13
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	515.	3.0	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	1545.	3.2	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	338773.8	471426.8	*	251.	268. AG	164.	100.0	.0	36.0	.93
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	1545.	3.2	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	320.	3.5	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	320.	3.5	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339315.7	471459.4	*	161.	89. AG	64.	100.0	.0	12.0	.83
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1935.	3.5	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1935.	3.5	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339306.7	471476.9	*	143.	89. AG	42.	100.0	.0	24.0	.76
30. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	315.	3.5	.0	32.0	
31. EBL	295NB	* 339502.0	471451.0	339346.1	471448.3	*	156.	269. AG	64.	100.0	.0	12.0	.82
32. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	315.	3.5	.0	32.0	
33. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1150.	3.5	.0	44.0	
34. EBT	295NB	* 339500.0	471435.0	339446.6	471434.1	*	53.	269. AG	27.	100.0	.0	24.0	.40
35. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1150.	3.5	.0	44.0	
36. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	2190.	3.2	.0	68.0	
37. WBALL	295NB	* 339627.0	471482.0	339803.2	471492.1	*	176.	87. AG	185.	100.0	.0	48.0	.77
38. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	2190.	3.2	.0	68.0	
39. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	2190.	3.2	.0	56.0	
40. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	2190.	3.2	.0	56.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	1220.	3.5	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	1220.	3.5	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	1220.	3.5	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	1220.	3.5	.0	44.0	

JOB: S13 MD410&SB 295 LLRT30 AM  
DATE: 10/24/2007 TIME: 22:09:40.10

RUN: S13 MD410&SB 295 LLRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	1220.	3.5	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	460.	3.0	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339562.4	471320.4	*	79.	185. AG	214.	100.0	.0	36.0	.67
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	730.	3.0	.0	32.0	4.0

JOB: S13 MD410&SB 295 LLRT30 AM  
DATE: 10/24/2007 TIME: 22:09:40.10

RUN: S13 MD410&SB 295 LLRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	101	2.0	30	1770	32.10	1	3
10. EBT	64th Ave	* 110	13	2.0	1445	1770	32.10	1	3
14. WB	64th Ave	* 110	21	2.0	2150	1759	32.10	1	3
17. SBR	410&SB	* 110	81	2.0	320	1583	32.10	1	3
19. SBL	410&SB	* 110	81	2.0	105	1717	32.10	1	3
22. EB	295SB	* 110	70	2.0	1545	1695	32.10	1	3
26. WBL	295SB	* 110	82	2.0	320	1770	32.10	1	3
29. WBT	295SB	* 110	27	2.0	1935	1770	32.10	1	3
31. EBL	295NB	* 110	82	2.0	315	1770	32.10	1	3
34. EBT	295NB	* 110	17	2.0	1150	1770	32.10	1	3

37. WBALL	295NB	*	110	59	2.0	2190	1667	32.10	1	3
47. NBALL	410&NB	*	110	91	2.0	460	1672	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

1

JOB: S13 MD410&SB 295 LLRT30 AM

RUN: S13 MD410&SB 295 LLRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.1	.1	.1	.1	.2	.6	.6	.6	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0
5.	*	.3	.2	.2	.1	.2	.2	.6	.6	.6	.2	.2	.3	.3	.2	.2	.0	.0	.0	.0
10.	*	.4	.3	.3	.2	.2	.3	.6	.7	.6	.2	.2	.4	.3	.2	.2	.1	.0	.1	.0
15.	*	.5	.3	.3	.3	.2	.4	.6	.7	.6	.2	.2	.5	.5	.3	.3	.1	.0	.1	.0
20.	*	.6	.4	.4	.5	.3	.3	.6	.7	.7	.2	.2	.5	.5	.3	.3	.1	.0	.1	.1
25.	*	.6	.4	.4	.4	.3	.4	.6	.7	.7	.2	.2	.5	.5	.3	.3	.2	.1	.1	.1
30.	*	.6	.4	.5	.4	.3	.4	.7	.7	.7	.2	.2	.5	.5	.3	.3	.2	.1	.1	.1
35.	*	.6	.5	.4	.4	.3	.3	.6	.8	.7	.3	.2	.5	.5	.4	.3	.2	.1	.2	.1
40.	*	.7	.5	.5	.3	.3	.3	.5	.8	.7	.3	.2	.5	.5	.4	.3	.2	.1	.3	.2
45.	*	.6	.5	.4	.3	.3	.3	.5	.8	.8	.3	.2	.5	.5	.4	.3	.2	.2	.3	.2
50.	*	.6	.4	.4	.3	.3	.3	.4	.7	.8	.4	.2	.5	.5	.4	.3	.3	.2	.3	.2
55.	*	.5	.5	.3	.3	.3	.3	.2	.6	.8	.5	.2	.6	.5	.4	.3	.3	.2	.3	.2
60.	*	.6	.5	.3	.3	.3	.3	.4	.5	.8	.5	.2	.6	.5	.4	.3	.3	.2	.3	.2
65.	*	.7	.5	.3	.3	.3	.3	.4	.5	.7	.5	.2	.6	.5	.4	.3	.3	.2	.3	.2
70.	*	.8	.3	.3	.3	.3	.3	.4	.5	.6	.5	.2	.5	.5	.4	.3	.3	.3	.2	.2
75.	*	.6	.3	.3	.3	.3	.3	.4	.5	.5	.4	.1	.5	.5	.5	.3	.3	.3	.2	.3
80.	*	.6	.4	.3	.3	.3	.3	.3	.5	.4	.3	.2	.6	.4	.5	.3	.3	.3	.3	.3
85.	*	.6	.4	.3	.3	.3	.3	.4	.4	.5	.2	.2	.6	.4	.5	.3	.3	.3	.5	.4
90.	*	.5	.4	.3	.3	.3	.3	.3	.3	.4	.2	.0	.7	.5	.4	.3	.3	.3	.5	.6
95.	*	.4	.4	.3	.3	.3	.3	.2	.2	.3	.1	.0	.8	.5	.4	.3	.3	.3	.5	.6
100.	*	.3	.3	.3	.3	.3	.3	.2	.2	.2	.1	.0	.8	.6	.5	.2	.3	.3	.5	.7
105.	*	.4	.3	.3	.3	.3	.3	.2	.2	.2	.1	.0	1.0	.6	.5	.2	.3	.3	.6	.8
110.	*	.4	.3	.3	.3	.3	.3	.2	.2	.2	.1	.0	.9	.6	.5	.2	.3	.3	.6	.7
115.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	.6	.6	.6	.3	.3	.3	.6	.8
120.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	.6	.6	.6	.3	.3	.3	.6	.8
125.	*	.4	.4	.4	.3	.3	.3	.2	.2	.2	.1	.0	.6	.6	.6	.3	.3	.3	.5	.8
130.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.0	.6	.5	.6	.3	.2	.3	.7	.8
135.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.0	.6	.7	.6	.3	.2	.3	.7	.9
140.	*	.4	.4	.4	.4	.3	.2	.3	.2	.1	.0	.0	.6	.6	.6	.3	.3	.3	.7	.9
145.	*	.4	.4	.4	.4	.3	.2	.3	.2	.1	.0	.0	.6	.7	.5	.3	.3	.2	.7	.9
150.	*	.4	.4	.4	.4	.2	.2	.3	.1	.1	.0	.0	.6	.8	.5	.4	.3	.2	.7	.8
155.	*	.4	.4	.4	.3	.2	.1	.1	.1	.1	.0	.0	.6	.7	.5	.4	.3	.3	.6	.7
160.	*	.4	.3	.3	.3	.1	.1	.1	.1	.0	.0	.0	.6	.6	.6	.5	.4	.3	.6	.7
165.	*	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.0	.4	.3	.5	.4	.3	.3	.6	.7
170.	*	.3	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	.3	.3	.3	.3	.2	.2	.6	.7
175.	*	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.3	.2	.2	.7	.7
180.	*	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.2	.1	.1	.7	.7
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.1	.0	.0	.7	.7
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.2	.0	.0	.6	.6
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.1	.0	.0	.6	.6
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.2	.0	.0	.6	.6
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.2	.0	.0	.6	.6

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JOB: S13 MD410&SB 295 LLRT30 AM

RUN: S13 MD410&SB 295 LLRT AM

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# WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.0	.7	.7	.6
215.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.0	.7	.7	.5
220.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.0	.7	.7	.5
225.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.7	.7	.5
230.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.7	.6	.4
235.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.0	.7	.6	.4
240.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0	.6	.6	.4
245.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.7	.5	.5
250.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.7	.6	.5
255.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.6	.5	.5
260.	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.6	.0	.0	.0	.0	.0	.5	.3	.5
265.	.2	.0	.0	.0	.0	.0	.2	.2	.0	.1	.0	.4	.0	.0	.0	.0	.0	.4	.3	.5
270.	.3	.0	.0	.0	.0	.0	.3	.2	.1	.2	.0	.4	.0	.0	.0	.0	.0	.3	.2	.3
275.	.4	.0	.0	.0	.0	.0	.4	.3	.1	.2	.1	.2	.0	.0	.0	.0	.0	.2	.2	.2
280.	.5	.1	.0	.0	.0	.0	.5	.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.1
285.	.5	.1	.0	.0	.0	.0	.7	.6	.2	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1
290.	.5	.2	.0	.0	.0	.0	.7	.7	.3	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1
295.	.5	.4	.1	.0	.0	.0	.7	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
300.	.5	.4	.1	.0	.0	.0	.7	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	.5	.4	.1	.0	.0	.0	.7	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	.4	.4	.1	.1	.0	.0	.7	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	.4	.4	.2	.1	.0	.0	.6	.6	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	.3	.4	.2	.1	.0	.0	.6	.6	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	.3	.4	.2	.1	.0	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	.3	.3	.2	.1	.0	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	.2	.3	.2	.1	.1	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	.2	.2	.1	.1	.1	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	.1	.2	.1	.1	.1	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	.2	.1	.1	.1	.0	.0	.6	.6	.6	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	.4	.1	.1	.1	.1	.1	.6	.6	.6	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
360.	.3	.1	.1	.1	.1	.2	.6	.6	.6	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0
MAX	.8	.5	.5	.5	.3	.4	.7	.8	.8	.5	.2	1.0	.8	.6	.5	.4	.3	.7	.9	1.0
DEGR.	70	35	30	20	20	15	285	35	45	55	0	105	150	115	160	160	70	130	135	115

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JOB: S13 MD410&SB 295 LLRT30 AM

RUN: S13 MD410&SB 295 LLRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.1	.0
50.	.1	.0
55.	.1	.0
60.	.1	.0
65.	.1	.0
70.	.1	.1
75.	.2	.1
80.	.4	.1
85.	.5	.2
90.	.4	.2
95.	.6	.4
100.	.6	.3
105.	.6	.4
110.	.6	.4
115.	.6	.4
120.	.5	.4
125.	.5	.4
130.	.3	.4
135.	.4	.4
140.	.3	.4
145.	.3	.4
150.	.3	.4
155.	.3	.3
160.	.3	.3
165.	.3	.3
170.	.3	.4
175.	.4	.4
180.	.3	.4
185.	.3	.4
190.	.3	.3

195. \* .2 .3  
 200. \* .3 .3  
 205. \* .4 .3

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JOB: S13 MD410&SB 295 LLRT30 AM

RUN: S13 MD410&SB 295 LLRT AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

ANGLE (DEGR)	REC21	REC22
210.	.4	.4
215.	.4	.4
220.	.4	.4
225.	.4	.4
230.	.4	.4
235.	.4	.4
240.	.4	.4
245.	.4	.4
250.	.5	.4
255.	.5	.3
260.	.4	.3
265.	.2	.3
270.	.2	.2
275.	.1	.2
280.	.1	.1
285.	.1	.1
290.	.0	.0
295.	.0	.0
300.	.0	.0
305.	.0	.0
310.	.0	.0
315.	.0	.0
320.	.0	.0
325.	.0	.0
330.	.0	.0
335.	.0	.0
340.	.0	.0
345.	.0	.0
350.	.0	.0
355.	.0	.0
360.	.0	.0

MAX \* .6 .4  
 DEGR. \* 95 95

THE HIGHEST CONCENTRATION IS 1.00 PPM AT 105 DEGREES FROM REC12.  
 THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 115 DEGREES FROM REC20.  
 THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 135 DEGREES FROM REC19.



S13 MD410&SB 295 LLRT30 PM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 LLRT PM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	4925 3.2 0. 44	39	
1					
NB	I295	AG339464.471638.339385.470489.	4925 3.2 0. 44	39	
1					
SB	I295	AG339230.470499.339198.471395.	4550 3.6 0. 44	48	
1					
SB	I295	AG339198.471395.339198.472460.	4550 3.6 0. 44	48	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	100 3.7 0. 32	16	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	100 3.7 0. 32	22	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	96	2.0 100 32.1 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	2320 3.7 0. 44	22	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	2320 3.7 0. 44	22	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	11	2.0 2320 32.1 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	2400 3.7 0. 44	18	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	2400 3.7 0. 44	18	
1					
WB	64th Ave	AG338591.471461.338706.471469.	2295 3.7 0. 44	18	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
110	24	2.0 2295 32.1 1757 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	2295 3.7 0. 44	18	
1					
SBR	410&SB	AG339068.471452.339082.472350.	395 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	84	2.0 395 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	225 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	84	2.0 225 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	735 3.0 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	2400 3.7 0. 56	22	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	63	2.0 2400 32.1 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	2400 3.7 0. 56	22	
1					
WBL	295SB	AG339071.471466.339146.471457.	345 3.7 0. 32	18	
1					
WBL	295SB	AG339146.471457.339571.471464.	345 3.7 0. 32	18	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	85	2.0 345 32.1 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1895 3.7 0. 44	18	
1					
WBT	295SB	AG339143.471474.339575.471481.	1895 3.7 0. 44	18	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
110	24	2.0 1895 32.1 1770 1 3			
1					
EBL	295NB	AG339581.471452.339143.471446.	200 3.7 0. 32	18	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	92	2.0 200 32.1 1770 1 3			

[illegible]

JOB: S13 MD410&SB 295 LLRT30 PM  
DATE: 10/24/2007 TIME: 22:10:52.60

RUN: S13 MD410&SB 295 LLRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4925.	3.2	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4925.	3.2	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4550.	3.6	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4550.	3.6	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	100.	3.7	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	100.	3.7	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338448.6	471431.4	*	54.	268. AG	75.	100.0	.0	12.0	.63 2.8
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	2320.	3.7	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	2320.	3.7	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338427.2	471412.6	*	70.	269. AG	17.	100.0	.0	24.0	.76 3.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	2400.	3.7	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	2400.	3.7	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	2295.	3.7	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338805.9	471477.7	*	167.	85. AG	38.	100.0	.0	24.0	.88 8.5
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	2295.	3.7	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	395.	3.0	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339083.8	472568.1	*	1067.	1. AG	66.	100.0	.0	12.0	1.25 54.2
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	225.	3.0	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471551.5	*	51.	360. AG	132.	100.0	.0	24.0	.33 2.6
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	735.	3.0	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	2400.	3.7	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	337240.4	471388.8	*	1785.	269. AG	148.	100.0	.0	36.0	1.21 90.7
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	2400.	3.7	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	345.	3.7	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	345.	3.7	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339485.6	471460.8	*	331.	90. AG	67.	100.0	.0	12.0	1.02 16.8
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1895.	3.7	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1895.	3.7	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339288.3	471476.7	*	124.	89. AG	38.	100.0	.0	24.0	.72 6.3
30. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	200.	3.7	.0	32.0	
31. EBL	295NB	* 339502.0	471451.0	339371.3	471448.8	*	131.	269. AG	72.	100.0	.0	12.0	.89 6.6
32. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	200.	3.7	.0	32.0	
33. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	2045.	3.7	.0	44.0	
34. EBT	295NB	* 339500.0	471435.0	339388.3	471433.1	*	112.	269. AG	31.	100.0	.0	24.0	.74 5.7
35. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	2045.	3.7	.0	44.0	
36. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	2020.	3.7	.0	68.0	
37. WBALL	295NB	* 339627.0	471482.0	339801.9	471492.0	*	175.	87. AG	197.	100.0	.0	48.0	.78 8.9
38. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	2020.	3.7	.0	68.0	
39. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	2020.	3.7	.0	56.0	
40. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	2020.	3.7	.0	56.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	2320.	3.7	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	2320.	3.7	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	2320.	3.7	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	2320.	3.7	.0	44.0	

JOB: S13 MD410&SB 295 LLRT30 PM  
DATE: 10/24/2007 TIME: 22:10:52.60

RUN: S13 MD410&SB 295 LLRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	2320.	3.7	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	655.	3.0	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339559.1	471281.6	*	118.	185. AG	207.	100.0	.0	36.0	.80 6.0
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	370.	3.0	.0	32.0	

JOB: S13 MD410&SB 295 LLRT30 PM  
DATE: 10/24/2007 TIME: 22:10:52.60

RUN: S13 MD410&SB 295 LLRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	96	2.0	100	1770	32.10	1	3
10. EBT	64th Ave	* 110	11	2.0	2320	1770	32.10	1	3
14. WB	64th Ave	* 110	24	2.0	2295	1757	32.10	1	3
17. SBR	410&SB	* 110	84	2.0	395	1583	32.10	1	3
19. SBL	410&SB	* 110	84	2.0	225	1717	32.10	1	3
22. EB	295SB	* 110	63	2.0	2400	1695	32.10	1	3
26. WBL	295SB	* 110	85	2.0	345	1770	32.10	1	3
29. WBT	295SB	* 110	24	2.0	1895	1770	32.10	1	3
31. EBL	295NB	* 110	92	2.0	200	1770	32.10	1	3
34. EBT	295NB	* 110	20	2.0	2045	1770	32.10	1	3

37. WBALL	295NB	*	110	63	2.0	2020	1667	32.10	1	3
47. NBALL	410&NB	*	110	88	2.0	655	1672	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)		
	X	Y	Z
1. SW COR	339072.0	471389.0	5.0
2. SW 82S	339073.0	471321.0	5.0
3. SW 164S	339074.0	471238.0	5.0
4. SW 256S	339074.0	471157.0	5.0
5. SW MIDS	339075.0	470977.0	5.0
6. SW MIDS	339093.0	470795.0	5.0
7. SW 82W	339003.0	471390.0	5.0
8. SW 164W	338944.0	471389.0	5.0
9. SW 256W	338840.0	471385.0	5.0
10. SW MIDW	338592.0	471371.0	5.0
11. SW MIDW	338329.0	471366.0	5.0
12. NW COR	339050.0	471507.0	5.0
13. NW 82N	339052.0	471578.0	5.0
14. NW 164N	339054.0	471661.0	5.0
15. NW 256N	339057.0	471742.0	5.0
16. NW MIDN	339054.0	472002.0	5.0
17. NW MIDN	339055.0	472232.0	5.0
18. NW 82W	338979.0	471504.0	5.0
19. NW 164W	338897.0	471500.0	5.0
20. NW 256W	338814.0	471495.0	5.0
21. NW MIDW	338527.0	471482.0	5.0
22. NW MIDW	338324.0	471473.0	5.0

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JOB: S13 MD410&SB 295 LLRT30 PM

RUN: S13 MD410&SB 295 LLRT PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.4	.3	.2	.1	.3	.7	.6	.6	.7	.6	.4	.4	.4	.4	.1	.1	.0	.0	.0
5.	*	.5	.5	.4	.3	.3	.3	.8	.6	.6	.6	.6	.4	.4	.4	.4	.2	.1	.2	.0	.0
10.	*	.8	.5	.3	.3	.3	.3	.8	.8	.6	.6	.6	.4	.4	.4	.5	.4	.2	.2	.0	.0
15.	*	.8	.4	.3	.4	.4	.4	.8	.8	.6	.7	.6	.5	.5	.6	.6	.4	.2	.2	.1	.0
20.	*	.8	.5	.4	.5	.4	.3	.8	.8	.7	.6	.6	.5	.5	.6	.6	.4	.2	.2	.2	.1
25.	*	.7	.5	.4	.4	.5	.4	.9	.8	.7	.6	.6	.6	.6	.5	.6	.5	.3	.2	.2	.1
30.	*	.7	.5	.5	.4	.4	.4	.9	.9	.7	.6	.6	.7	.6	.6	.6	.5	.3	.3	.2	.1
35.	*	.7	.6	.5	.5	.4	.4	.7	.9	.7	.7	.6	.7	.6	.6	.6	.4	.3	.4	.3	.1
40.	*	.8	.6	.6	.4	.4	.4	.7	.9	1.0	.7	.6	.7	.6	.6	.6	.4	.3	.3	.2	.1
45.	*	.7	.7	.6	.5	.4	.4	.7	.9	1.0	.9	.6	.6	.5	.5	.6	.5	.4	.3	.2	.2
50.	*	.7	.5	.6	.4	.4	.4	.7	.9	1.0	.9	.7	.7	.5	.5	.5	.5	.4	.3	.2	.2
55.	*	.7	.7	.5	.4	.4	.4	.5	.8	1.0	.8	.7	.5	.5	.5	.5	.5	.3	.3	.2	.3
60.	*	.9	.6	.5	.4	.4	.4	.6	.9	.9	.8	.7	.5	.5	.5	.5	.5	.3	.3	.3	.3
65.	*	.8	.6	.5	.4	.4	.4	.4	.7	.8	.8	.8	.7	.5	.5	.5	.5	.3	.5	.3	.3
70.	*	.8	.5	.4	.4	.4	.4	.7	.8	.9	.7	.6	.5	.5	.5	.5	.5	.4	.4	.2	.2
75.	*	.7	.5	.4	.4	.4	.4	.7	.8	.7	.8	.6	.6	.5	.5	.5	.4	.4	.4	.2	.3
80.	*	.8	.5	.4	.4	.4	.4	.6	.7	.6	.7	.5	.8	.4	.5	.5	.4	.4	.4	.3	.4
85.	*	.7	.4	.4	.4	.4	.4	.6	.6	.5	.4	.5	.7	.4	.5	.5	.4	.4	.6	.6	.4
90.	*	.5	.4	.4	.4	.4	.4	.5	.5	.4	.3	.3	1.1	.5	.4	.5	.4	.4	.7	.6	.8
95.	*	.5	.4	.4	.4	.4	.4	.3	.2	.4	.2	.1	1.0	.5	.4	.5	.4	.4	.7	.7	.8
100.	*	.5	.4	.4	.4	.4	.4	.2	.2	.2	.2	.1	1.0	.6	.5	.5	.4	.4	.8	.9	.8
105.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	1.0	.7	.5	.4	.4	.4	.8	.9	.8
110.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	1.0	.8	.5	.5	.4	.4	.8	.9	1.0
115.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	1.0	.9	.6	.5	.5	.4	.7	.8	1.0
120.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	.8	.9	.6	.5	.5	.4	.8	.9	1.1
125.	*	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	.7	.8	.7	.5	.5	.4	.7	1.0	1.1
130.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.1	.0	.6	.8	.7	.5	.5	.5	.7	.9	1.0
135.	*	.4	.4	.4	.4	.4	.4	.3	.2	.2	.1	.0	.6	.9	.7	.6	.5	.5	.8	.9	1.0
140.	*	.4	.4	.4	.4	.4	.4	.3	.3	.2	.0	.0	.6	.7	.7	.6	.5	.5	.7	.9	1.0
145.	*	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.0	.7	1.0	.6	.6	.5	.5	.8	.9	.9
150.	*	.4	.4	.4	.4	.3	.3	.3	.2	.1	.0	.0	.6	1.1	.6	.7	.6	.5	.9	.9	.9
155.	*	.4	.4	.4	.4	.3	.2	.3	.1	.1	.0	.0	.6	.9	.7	.6	.6	.5	.9	.8	.9
160.	*	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.7	.8	.8	.6	.7	.6	.8	.8	.8
165.	*	.3	.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.6	.6	.7	.6	.6	.6	.8	.8	.8
170.	*	.3	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	.7	.6	.5	.4	.5	.6	.8	.7	.8
175.	*	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.7	.3	.4	.4	.5	.4	.7	.7	.8
180.	*	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.4	.3	.3	.7	.7	.8
185.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.2	.1	.1	.7	.7	.8
190.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.4	.2	.1	.1	.7	.7	.8
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.4	.1	.0	.7	.7	.8
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.3	.1	.0	.7	.7	.9
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.1	.0	.7	.7	.9

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JOB: S13 MD410&SB 295 LLRT30 PM

RUN: S13 MD410&SB 295 LLRT PM

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WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.1	.0	.7	.8	.9
215.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.1	.0	.8	.8	.9
220.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.0	.8	.8	.9
225.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.1	.1	.1	.8	.8	.9
230.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.3	.1	.1	.0	.9	.9	.9
235.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.3	.1	.1	.0	.9	.9	.9
240.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.1	.1	.0	.9	.9	1.0
245.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.1	.1	.1	.0	.9	.9	1.1
250.	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.9	.4	.1	.1	.0	.0	.9	.8	1.2
255.	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.8	.3	.1	.1	.0	.0	.8	.8	1.1
260.	.3	.1	.0	.0	.0	.0	.3	.3	.2	.2	.1	.8	.3	.1	.1	.0	.0	.8	.8	1.0
265.	.4	.1	.0	.0	.0	.0	.4	.4	.4	.3	.3	.8	.1	.1	.0	.0	.0	.7	.6	1.0
270.	.6	.1	.1	.0	.0	.0	.6	.6	.6	.5	.4	.6	.1	.0	.0	.0	.0	.5	.5	.7
275.	.7	.2	.1	.1	.0	.0	.6	.6	.7	.7	.5	.3	.0	.0	.0	.0	.0	.3	.3	.5
280.	.7	.3	.1	.1	.0	.0	.9	.8	.9	.7	.6	.3	.0	.0	.0	.0	.0	.3	.2	.2
285.	.8	.3	.1	.1	.1	.0	.9	.9	.8	.8	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
290.	.8	.3	.2	.1	.1	.0	.9	.9	.7	.7	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
295.	.7	.4	.3	.1	.1	.1	.8	.8	.8	.7	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
300.	.7	.4	.2	.1	.1	.1	.8	.8	.9	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	.5	.4	.2	.1	.1	.1	.8	.8	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	.5	.4	.3	.1	.1	.1	.8	.8	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	.5	.4	.3	.2	.1	.1	.8	.8	.8	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	.4	.4	.3	.2	.1	.1	.8	.8	.7	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	.4	.3	.3	.2	.1	.1	.7	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	.4	.3	.3	.2	.1	.1	.7	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	.2	.3	.3	.2	.1	.1	.6	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	.3	.3	.3	.2	.1	.0	.6	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	.4	.3	.3	.1	.1	.0	.6	.6	.6	.6	.6	.1	.1	.1	.1	.0	.0	.0	.0	.0
350.	.4	.3	.1	.0	.0	.0	.6	.6	.6	.6	.6	.1	.1	.1	.1	.1	.1	.0	.0	.0
355.	.4	.2	.2	.1	.1	.1	.6	.6	.6	.7	.6	.1	.2	.2	.3	.1	.1	.0	.0	.0
360.	.6	.4	.3	.2	.1	.3	.7	.6	.6	.7	.6	.4	.4	.4	.4	.1	.1	.0	.0	.0
MAX	.9	.7	.6	.5	.5	.4	.9	.9	1.0	1.0	.8	1.1	1.1	.8	.7	.7	.6	.9	1.0	1.2
DEGR.	60	45	40	20	25	15	25	30	40	55	55	90	150	160	150	160	160	150	125	250

1

JOB: S13 MD410&SB 295 LLRT30 PM

RUN: S13 MD410&SB 295 LLRT PM

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#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

#### WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.1	.0
50.	.1	.0
55.	.1	.0
60.	.1	.1
65.	.1	.1
70.	.1	.1
75.	.4	.1
80.	.5	.2
85.	.6	.4
90.	.6	.5
95.	.7	.8
100.	.9	.7
105.	.9	.8
110.	.9	.9
115.	1.0	.8
120.	1.1	.9
125.	1.0	.9
130.	.9	.8
135.	.9	.8
140.	.8	.8
145.	.7	.8
150.	.7	.8
155.	.8	.8
160.	.8	.8
165.	.8	.8
170.	.7	.8
175.	.7	.8
180.	.7	.8
185.	.7	.8
190.	.8	.8

```

195. * .8 .8
200. * .7 .8
205. * .7 .8

```

1

JOB: S13 MD410&SB 295 LLRT30 PM

RUN: S13 MD410&SB 295 LLRT PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

```

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

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```

-----*-----
210. * .8 .8
215. * .8 .8
220. * .9 .8
225. * 1.0 .8
230. * 1.0 .8
235. * .9 .9
240. * .9 .9
245. * .9 .9
250. * 1.0 .9
255. * .8 .9
260. * .8 .7
265. * .6 .6
270. * .5 .4
275. * .3 .3
280. * .2 .2
285. * .1 .1
290. * .0 .1
295. * .0 .0
300. * .0 .0
305. * .0 .0
310. * .0 .0
315. * .0 .0
320. * .0 .0
325. * .0 .0
330. * .0 .0
335. * .0 .0
340. * .0 .0
345. * .0 .0
350. * .0 .0
355. * .0 .0
360. * .0 .0
-----*-----

```

```

MAX * 1.1 .9
DEGR. * 120 120

```

```

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC20.
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 90 DEGREES FROM REC12.
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC13.

```

S13 MD410&SB 295 HLRT30 AM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 HLRT AM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	3125 4.5 0. 44	64	
1					
NB	I295	AG339464.471638.339385.470489.	3125 4.5 0. 44	64	
1					
SB	I295	AG339230.470499.339198.471395.	4700 3.4 0. 44	45	
1					
SB	I295	AG339198.471395.339198.472460.	4700 3.4 0. 44	45	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	30 3.2 0. 32	22	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	30 3.2 0. 32	22	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	101	2.0 30 32.1 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	1445 3.2 0. 44	22	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	1445 3.2 0. 44	22	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	13	2.0 1445 32.1 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	2245 3.5 0. 44	18	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	2245 3.5 0. 44	18	
1					
WB	64th Ave	AG338591.471461.338706.471469.	2150 3.5 0. 44	18	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
110	21	2.0 2150 32.1 1759 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	2150 3.5 0. 44	18	
1					
SBR	410&SB	AG339068.471452.339082.472350.	320 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	81	2.0 320 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	105 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	81	2.0 105 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	515 3.0 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	1545 3.2 0. 56	22	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	70	2.0 1545 32.1 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	1545 3.2 0. 56	22	
1					
WBL	295SB	AG339071.471466.339146.471457.	320 3.5 0. 32	18	
1					
WBL	295SB	AG339146.471457.339571.471464.	320 3.5 0. 32	18	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	82	2.0 320 32.1 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1935 3.5 0. 44	18	
1					
WBT	295SB	AG339143.471474.339575.471481.	1935 3.5 0. 44	18	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
110	27	2.0 1935 32.1 1770 1 3			
1					
EBL	295NB	AG339581.471452.339143.471446.	315 3.5 0. 32	18	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	82	2.0 315 32.1 1770 1 3			

[illegible]



JOB: S13 MD410&SB 295 HLRT30 AM  
DATE: 10/24/2007 TIME: 22:13:59.07

RUN: S13 MD410&SB 295 HLRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	3125.	4.5	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	3125.	4.5	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4700.	3.4	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4700.	3.4	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	30.	3.2	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	30.	3.2	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338486.5	471432.5	*	17.	268. AG	79.	100.0	.0	12.0	.38
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	1445.	3.2	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	1445.	3.2	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338445.7	471413.0	*	51.	269. AG	20.	100.0	.0	24.0	.48
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	2245.	3.5	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	2245.	3.5	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	2150.	3.5	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338762.0	471474.1	*	123.	85. AG	33.	100.0	.0	24.0	.79
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	2150.	3.5	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	320.	3.0	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339070.6	471676.3	*	175.	1. AG	63.	100.0	.0	12.0	.89
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	105.	3.0	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471523.0	*	23.	360. AG	127.	100.0	.0	24.0	.13
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	515.	3.0	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	1545.	3.2	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	338773.8	471426.8	*	251.	268. AG	164.	100.0	.0	36.0	.93
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	1545.	3.2	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	320.	3.5	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	320.	3.5	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339315.7	471459.4	*	161.	89. AG	64.	100.0	.0	12.0	.83
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1935.	3.5	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1935.	3.5	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339306.7	471476.9	*	143.	89. AG	42.	100.0	.0	24.0	.76
30. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	315.	3.5	.0	32.0	
31. EBL	295NB	* 339502.0	471451.0	339346.1	471448.3	*	156.	269. AG	64.	100.0	.0	12.0	.82
32. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	315.	3.5	.0	32.0	
33. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1150.	3.5	.0	44.0	
34. EBT	295NB	* 339500.0	471435.0	339446.6	471434.1	*	53.	269. AG	27.	100.0	.0	24.0	.40
35. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1150.	3.5	.0	44.0	
36. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	2190.	3.2	.0	68.0	
37. WBALL	295NB	* 339627.0	471482.0	339803.2	471492.1	*	176.	87. AG	185.	100.0	.0	48.0	.77
38. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	2190.	3.2	.0	68.0	
39. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	2190.	3.2	.0	56.0	
40. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	2190.	3.2	.0	56.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	1220.	3.5	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	1220.	3.5	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	1220.	3.5	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	1220.	3.5	.0	44.0	

JOB: S13 MD410&SB 295 HLRT30 AM  
DATE: 10/24/2007 TIME: 22:13:59.07

RUN: S13 MD410&SB 295 HLRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	1220.	3.5	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	460.	3.0	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339562.4	471320.4	*	79.	185. AG	214.	100.0	.0	36.0	.67
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	730.	3.0	.0	32.0	4.0

JOB: S13 MD410&SB 295 HLRT30 AM  
DATE: 10/24/2007 TIME: 22:13:59.07

RUN: S13 MD410&SB 295 HLRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	101	2.0	30	1770	32.10	1	3
10. EBT	64th Ave	* 110	13	2.0	1445	1770	32.10	1	3
14. WB	64th Ave	* 110	21	2.0	2150	1759	32.10	1	3
17. SBR	410&SB	* 110	81	2.0	320	1583	32.10	1	3
19. SBL	410&SB	* 110	81	2.0	105	1717	32.10	1	3
22. EB	295SB	* 110	70	2.0	1545	1695	32.10	1	3
26. WBL	295SB	* 110	82	2.0	320	1770	32.10	1	3
29. WBT	295SB	* 110	27	2.0	1935	1770	32.10	1	3
31. EBL	295NB	* 110	82	2.0	315	1770	32.10	1	3
34. EBT	295NB	* 110	17	2.0	1150	1770	32.10	1	3

37. WBALL	295NB	*	110	59	2.0	2190	1667	32.10	1	3
47. NBALL	410&NB	*	110	91	2.0	460	1672	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	339072.0	471389.0	5.0	*
2. SW 82S	*	339073.0	471321.0	5.0	*
3. SW 164S	*	339074.0	471238.0	5.0	*
4. SW 256S	*	339074.0	471157.0	5.0	*
5. SW MIDS	*	339075.0	470977.0	5.0	*
6. SW MIDS	*	339093.0	470795.0	5.0	*
7. SW 82W	*	339003.0	471390.0	5.0	*
8. SW 164W	*	338944.0	471389.0	5.0	*
9. SW 256W	*	338840.0	471385.0	5.0	*
10. SW MIDW	*	338592.0	471371.0	5.0	*
11. SW MIDW	*	338329.0	471366.0	5.0	*
12. NW COR	*	339050.0	471507.0	5.0	*
13. NW 82N	*	339052.0	471578.0	5.0	*
14. NW 164N	*	339054.0	471661.0	5.0	*
15. NW 256N	*	339057.0	471742.0	5.0	*
16. NW MIDN	*	339054.0	472002.0	5.0	*
17. NW MIDN	*	339055.0	472232.0	5.0	*
18. NW 82W	*	338979.0	471504.0	5.0	*
19. NW 164W	*	338897.0	471500.0	5.0	*
20. NW 256W	*	338814.0	471495.0	5.0	*
21. NW MIDW	*	338527.0	471482.0	5.0	*
22. NW MIDW	*	338324.0	471473.0	5.0	*

1

JOB: S13 MD410&SB 295 HLRT30 AM

RUN: S13 MD410&SB 295 HLRT AM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE *	(PPM)																				
(DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.3	.1	.1	.1	.1	.2	.6	.6	.6	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0	
5.	*	.3	.2	.2	.1	.2	.2	.6	.6	.6	.2	.2	.3	.3	.2	.2	.0	.0	.0	.0	
10.	*	.4	.3	.3	.2	.2	.3	.6	.7	.6	.2	.2	.4	.3	.2	.2	.1	.0	.1	.0	
15.	*	.5	.3	.3	.3	.2	.4	.6	.7	.6	.2	.2	.5	.5	.3	.3	.1	.0	.1	.0	
20.	*	.6	.4	.4	.5	.3	.3	.6	.7	.7	.2	.2	.5	.5	.3	.3	.1	.0	.1	.1	
25.	*	.6	.4	.4	.4	.3	.4	.6	.7	.7	.2	.2	.5	.5	.3	.3	.2	.1	.1	.1	
30.	*	.6	.4	.5	.4	.3	.4	.7	.7	.7	.2	.2	.5	.5	.3	.3	.2	.1	.1	.1	
35.	*	.6	.5	.4	.4	.3	.3	.6	.8	.7	.3	.2	.5	.5	.4	.3	.2	.1	.2	.1	
40.	*	.7	.5	.5	.3	.3	.3	.5	.8	.7	.3	.2	.5	.5	.4	.3	.2	.1	.3	.2	
45.	*	.6	.5	.4	.3	.3	.3	.5	.8	.8	.3	.2	.5	.5	.4	.3	.2	.2	.3	.2	
50.	*	.6	.4	.4	.3	.3	.3	.4	.7	.8	.4	.2	.5	.5	.4	.3	.3	.2	.3	.2	
55.	*	.5	.5	.3	.3	.3	.3	.2	.6	.8	.5	.2	.6	.5	.4	.3	.3	.2	.3	.2	
60.	*	.6	.5	.3	.3	.3	.3	.4	.5	.8	.5	.2	.6	.5	.4	.3	.3	.2	.3	.2	
65.	*	.7	.5	.3	.3	.3	.3	.4	.5	.7	.5	.2	.6	.5	.4	.3	.3	.2	.3	.2	
70.	*	.8	.3	.3	.3	.3	.3	.4	.5	.6	.5	.2	.5	.5	.4	.3	.3	.3	.2	.2	
75.	*	.6	.3	.3	.3	.3	.3	.4	.5	.5	.4	.1	.5	.5	.5	.3	.3	.3	.2	.3	
80.	*	.6	.4	.3	.3	.3	.3	.3	.5	.4	.3	.2	.6	.4	.5	.3	.3	.3	.3	.3	
85.	*	.6	.4	.3	.3	.3	.3	.4	.4	.5	.2	.2	.6	.4	.5	.3	.3	.3	.5	.4	
90.	*	.5	.4	.3	.3	.3	.3	.3	.3	.4	.2	.0	.7	.5	.4	.3	.3	.3	.5	.6	
95.	*	.4	.4	.3	.3	.3	.3	.2	.2	.3	.1	.0	.8	.5	.4	.3	.3	.3	.5	.6	
100.	*	.3	.3	.3	.3	.3	.3	.2	.2	.2	.1	.0	.8	.6	.5	.2	.3	.3	.5	.7	
105.	*	.4	.3	.3	.3	.3	.3	.2	.2	.2	.1	.0	1.0	.6	.5	.2	.3	.3	.6	.8	
110.	*	.4	.3	.3	.3	.3	.3	.2	.2	.2	.1	.0	.9	.6	.5	.2	.3	.3	.6	.7	
115.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	.6	.6	.6	.3	.3	.3	.6	.8	
120.	*	.4	.4	.3	.3	.3	.3	.2	.2	.2	.1	.0	.6	.6	.6	.3	.3	.3	.6	.8	
125.	*	.4	.4	.4	.3	.3	.3	.2	.2	.2	.1	.0	.6	.6	.6	.3	.3	.3	.5	.8	
130.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.0	.6	.5	.6	.3	.2	.3	.7	.8	
135.	*	.4	.4	.4	.3	.3	.3	.3	.2	.2	.1	.0	.6	.7	.6	.3	.2	.3	.7	.9	
140.	*	.4	.4	.4	.4	.3	.2	.3	.2	.1	.0	.0	.6	.6	.6	.3	.3	.3	.7	.9	
145.	*	.4	.4	.4	.4	.3	.2	.3	.2	.1	.0	.0	.6	.7	.5	.3	.3	.2	.7	.9	
150.	*	.4	.4	.4	.4	.2	.2	.3	.1	.1	.0	.0	.6	.8	.5	.4	.3	.2	.7	.8	
155.	*	.4	.4	.4	.3	.2	.1	.1	.1	.1	.0	.0	.6	.7	.5	.4	.3	.3	.6	.7	
160.	*	.4	.3	.3	.3	.1	.1	.1	.1	.0	.0	.0	.6	.6	.6	.5	.4	.3	.6	.7	
165.	*	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.0	.4	.3	.5	.4	.3	.3	.6	.7	
170.	*	.3	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	.3	.3	.3	.3	.2	.2	.6	.7	
175.	*	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.3	.2	.2	.7	.7	
180.	*	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.2	.1	.1	.7	.7	
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.1	.0	.0	.7	.7	
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3	.2	.0	.0	.6	.6	
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.1	.0	.0	.6	.6	
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.2	.0	.0	.6	.6	
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.2	.0	.0	.6	.6	

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JOB: S13 MD410&SB 295 HLRT30 AM

RUN: S13 MD410&SB 295 HLRT AM

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WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.0	.7	.7	.6
215.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.0	.7	.7	.5
220.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.0	.7	.7	.5
225.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.7	.7	.5
230.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.7	.6	.4
235.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.0	.7	.6	.4
240.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0	.6	.6	.4
245.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.7	.5	.5
250.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.7	.6	.5
255.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.6	.5	.5
260.	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.6	.0	.0	.0	.0	.0	.5	.3	.5
265.	.2	.0	.0	.0	.0	.0	.2	.2	.0	.1	.0	.4	.0	.0	.0	.0	.0	.4	.3	.5
270.	.3	.0	.0	.0	.0	.0	.3	.2	.1	.2	.0	.4	.0	.0	.0	.0	.0	.3	.2	.3
275.	.4	.0	.0	.0	.0	.0	.4	.3	.1	.2	.1	.2	.0	.0	.0	.0	.0	.2	.2	.2
280.	.5	.1	.0	.0	.0	.0	.5	.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.1
285.	.5	.1	.0	.0	.0	.0	.7	.6	.2	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1
290.	.5	.2	.0	.0	.0	.0	.7	.7	.3	.2	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1
295.	.5	.4	.1	.0	.0	.0	.7	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
300.	.5	.4	.1	.0	.0	.0	.7	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	.5	.4	.1	.0	.0	.0	.7	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	.4	.4	.1	.1	.0	.0	.7	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	.4	.4	.2	.1	.0	.0	.6	.6	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	.3	.4	.2	.1	.0	.0	.6	.6	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	.3	.4	.2	.1	.0	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	.3	.3	.2	.1	.0	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	.2	.3	.2	.1	.1	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	.2	.2	.1	.1	.1	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	.1	.2	.1	.1	.1	.0	.6	.6	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	.2	.1	.1	.1	.0	.0	.6	.6	.6	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	.4	.1	.1	.1	.1	.1	.6	.6	.6	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
360.	.3	.1	.1	.1	.1	.2	.6	.6	.6	.4	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0
MAX	.8	.5	.5	.5	.3	.4	.7	.8	.8	.5	.2	1.0	.8	.6	.5	.4	.3	.7	.9	1.0
DEGR.	70	35	30	20	20	15	285	35	45	55	0	105	150	115	160	160	70	130	135	115

1

JOB: S13 MD410&SB 295 HLRT30 AM

RUN: S13 MD410&SB 295 HLRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.1	.0
50.	.1	.0
55.	.1	.0
60.	.1	.0
65.	.1	.0
70.	.1	.1
75.	.2	.1
80.	.4	.1
85.	.5	.2
90.	.4	.2
95.	.6	.4
100.	.6	.3
105.	.6	.4
110.	.6	.4
115.	.6	.4
120.	.5	.4
125.	.5	.4
130.	.3	.4
135.	.4	.4
140.	.3	.4
145.	.3	.4
150.	.3	.4
155.	.3	.3
160.	.3	.3
165.	.3	.3
170.	.3	.4
175.	.4	.4
180.	.3	.4
185.	.3	.4
190.	.3	.3

```

195. * .2 .3
200. * .3 .3
205. * .4 .3

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1

JOB: S13 MD410&SB 295 HLRT30 AM

RUN: S13 MD410&SB 295 HLRT AM

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WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

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-----*-----
210. * .4 .4
215. * .4 .4
220. * .4 .4
225. * .4 .4
230. * .4 .4
235. * .4 .4
240. * .4 .4
245. * .4 .4
250. * .5 .4
255. * .5 .3
260. * .4 .3
265. * .2 .3
270. * .2 .2
275. * .1 .2
280. * .1 .1
285. * .1 .1
290. * .0 .0
295. * .0 .0
300. * .0 .0
305. * .0 .0
310. * .0 .0
315. * .0 .0
320. * .0 .0
325. * .0 .0
330. * .0 .0
335. * .0 .0
340. * .0 .0
345. * .0 .0
350. * .0 .0
355. * .0 .0
360. * .0 .0
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MAX * .6 .4
DEGR. * 95 95

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THE HIGHEST CONCENTRATION IS 1.00 PPM AT 105 DEGREES FROM REC12.
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 115 DEGREES FROM REC20.
THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 135 DEGREES FROM REC19.

```

S13 MD410&SB 295 HLRT30 PM			60.0321.0.0000.000220.30480000	1	1
SW COR	339072.	471389.	5.0		
SW 82S	339073.	471321.	5.0		
SW 164S	339074.	471238.	5.0		
SW 256S	339074.	471157.	5.0		
SW MIDS	339075.	470977.	5.0		
SW MIDS	339093.	470795.	5.0		
SW 82W	339003.	471390.	5.0		
SW 164W	338944.	471389.	5.0		
SW 256W	338840.	471385.	5.0		
SW MIDW	338592.	471371.	5.0		
SW MIDW	338329.	471366.	5.0		
NW COR	339050.	471507.	5.0		
NW 82N	339052.	471578.	5.0		
NW 164N	339054.	471661.	5.0		
NW 256N	339057.	471742.	5.0		
NW MIDN	339054.	472002.	5.0		
NW MIDN	339055.	472232.	5.0		
NW 82W	338979.	471504.	5.0		
NW 164W	338897.	471500.	5.0		
NW 256W	338814.	471495.	5.0		
NW MIDW	338527.	471482.	5.0		
NW MIDW	338324.	471473.	5.0		
S13 MD410&SB 295 HLRT PM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	4925 3.2 0. 44	39	
1					
NB	I295	AG339464.471638.339385.470489.	4925 3.2 0. 44	39	
1					
SB	I295	AG339230.470499.339198.471395.	4550 3.6 0. 44	48	
1					
SB	I295	AG339198.471395.339198.472460.	4550 3.6 0. 44	48	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	100 3.7 0. 32	16	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	100 3.7 0. 32	22	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	96	2.0 100 32.1 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	2320 3.7 0. 44	22	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	2320 3.7 0. 44	22	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	11	2.0 2320 32.1 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	2400 3.7 0. 44	18	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	2400 3.7 0. 44	18	
1					
WB	64th Ave	AG338591.471461.338706.471469.	2295 3.7 0. 44	18	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
110	24	2.0 2295 32.1 1757 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	2295 3.7 0. 44	18	
1					
SBR	410&SB	AG339068.471452.339082.472350.	395 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	84	2.0 395 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	225 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	84	2.0 225 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	735 3.0 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	2400 3.7 0. 56	22	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	63	2.0 2400 32.1 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	2400 3.7 0. 56	22	
1					
WBL	295SB	AG339071.471466.339146.471457.	345 3.7 0. 32	18	
1					
WBL	295SB	AG339146.471457.339571.471464.	345 3.7 0. 32	18	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	85	2.0 345 32.1 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1895 3.7 0. 44	18	
1					
WBT	295SB	AG339143.471474.339575.471481.	1895 3.7 0. 44	18	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
110	24	2.0 1895 32.1 1770 1 3			
1					
EBL	295NB	AG339581.471452.339143.471446.	200 3.7 0. 32	18	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	92	2.0 200 32.1 1770 1 3			

[illegible]

JOB: S13 MD410&SB 295 HLRT30 PM  
DATE: 10/24/2007 TIME: 22:16:00.24

RUN: S13 MD410&SB 295 HLRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4925.	3.2	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4925.	3.2	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4550.	3.6	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4550.	3.6	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	100.	3.7	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	100.	3.7	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338448.6	471431.4	*	54.	268. AG	75.	100.0	.0	12.0	.63 2.8
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	2320.	3.7	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	2320.	3.7	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338427.2	471412.6	*	70.	269. AG	17.	100.0	.0	24.0	.76 3.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	2400.	3.7	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	2400.	3.7	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	2295.	3.7	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338805.9	471477.7	*	167.	85. AG	38.	100.0	.0	24.0	.88 8.5
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	2295.	3.7	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	395.	3.0	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339083.8	472568.1	*	1067.	1. AG	66.	100.0	.0	12.0	1.25 54.2
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	225.	3.0	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471551.5	*	51.	360. AG	132.	100.0	.0	24.0	.33 2.6
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	735.	3.0	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	2400.	3.7	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	337240.4	471388.8	*	1785.	269. AG	148.	100.0	.0	36.0	1.21 90.7
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	2400.	3.7	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	345.	3.7	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	345.	3.7	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339485.6	471460.8	*	331.	90. AG	67.	100.0	.0	12.0	1.02 16.8
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1895.	3.7	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1895.	3.7	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339288.3	471476.7	*	124.	89. AG	38.	100.0	.0	24.0	.72 6.3
30. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	200.	3.7	.0	32.0	
31. EBL	295NB	* 339502.0	471451.0	339371.3	471448.8	*	131.	269. AG	72.	100.0	.0	12.0	.89 6.6
32. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	200.	3.7	.0	32.0	
33. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	2045.	3.7	.0	44.0	
34. EBT	295NB	* 339500.0	471435.0	339388.3	471433.1	*	112.	269. AG	31.	100.0	.0	24.0	.74 5.7
35. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	2045.	3.7	.0	44.0	
36. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	2020.	3.7	.0	68.0	
37. WBALL	295NB	* 339627.0	471482.0	339801.9	471492.0	*	175.	87. AG	197.	100.0	.0	48.0	.78 8.9
38. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	2020.	3.7	.0	68.0	
39. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	2020.	3.7	.0	56.0	
40. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	2020.	3.7	.0	56.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	2320.	3.7	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	2320.	3.7	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	2320.	3.7	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	2320.	3.7	.0	44.0	

JOB: S13 MD410&SB 295 HLRT30 PM  
DATE: 10/24/2007 TIME: 22:16:00.24

RUN: S13 MD410&SB 295 HLRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	2320.	3.7	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	655.	3.0	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339559.1	471281.6	*	118.	185. AG	207.	100.0	.0	36.0	.80 6.0
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	370.	3.0	.0	32.0	

JOB: S13 MD410&SB 295 HLRT30 PM  
DATE: 10/24/2007 TIME: 22:16:00.24

RUN: S13 MD410&SB 295 HLRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	96	2.0	100	1770	32.10	1	3
10. EBT	64th Ave	* 110	11	2.0	2320	1770	32.10	1	3
14. WB	64th Ave	* 110	24	2.0	2295	1757	32.10	1	3
17. SBR	410&SB	* 110	84	2.0	395	1583	32.10	1	3
19. SBL	410&SB	* 110	84	2.0	225	1717	32.10	1	3
22. EB	295SB	* 110	63	2.0	2400	1695	32.10	1	3
26. WBL	295SB	* 110	85	2.0	345	1770	32.10	1	3
29. WBT	295SB	* 110	24	2.0	1895	1770	32.10	1	3
31. EBL	295NB	* 110	92	2.0	200	1770	32.10	1	3
34. EBT	295NB	* 110	20	2.0	2045	1770	32.10	1	3

37. WBALL	295NB	*	110	63	2.0	2020	1667	32.10	1	3
47. NBALL	410&NB	*	110	88	2.0	655	1672	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)		
	X	Y	Z
1. SW COR	339072.0	471389.0	5.0
2. SW 82S	339073.0	471321.0	5.0
3. SW 164S	339074.0	471238.0	5.0
4. SW 256S	339074.0	471157.0	5.0
5. SW MIDS	339075.0	470977.0	5.0
6. SW MIDS	339093.0	470795.0	5.0
7. SW 82W	339003.0	471390.0	5.0
8. SW 164W	338944.0	471389.0	5.0
9. SW 256W	338840.0	471385.0	5.0
10. SW MIDW	338592.0	471371.0	5.0
11. SW MIDW	338329.0	471366.0	5.0
12. NW COR	339050.0	471507.0	5.0
13. NW 82N	339052.0	471578.0	5.0
14. NW 164N	339054.0	471661.0	5.0
15. NW 256N	339057.0	471742.0	5.0
16. NW MIDN	339054.0	472002.0	5.0
17. NW MIDN	339055.0	472232.0	5.0
18. NW 82W	338979.0	471504.0	5.0
19. NW 164W	338897.0	471500.0	5.0
20. NW 256W	338814.0	471495.0	5.0
21. NW MIDW	338527.0	471482.0	5.0
22. NW MIDW	338324.0	471473.0	5.0

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JOB: S13 MD410&SB 295 HLRT30 PM

RUN: S13 MD410&SB 295 HLRT PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (PPM)																				
(DEGR) * REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
0. *	.6	.4	.3	.2	.1	.3	.7	.6	.6	.7	.6	.4	.4	.4	.4	.1	.1	.0	.0	.0
5. *	.5	.5	.4	.3	.3	.3	.8	.6	.6	.6	.6	.4	.4	.4	.4	.2	.1	.2	.0	.0
10. *	.8	.5	.3	.3	.3	.3	.8	.8	.6	.6	.6	.4	.4	.4	.5	.4	.2	.2	.0	.0
15. *	.8	.4	.3	.4	.4	.4	.8	.8	.6	.7	.6	.5	.5	.6	.6	.4	.2	.2	.1	.0
20. *	.8	.5	.4	.5	.4	.3	.8	.8	.7	.6	.6	.5	.5	.6	.6	.4	.2	.2	.2	.1
25. *	.7	.5	.4	.4	.5	.4	.9	.8	.7	.6	.6	.6	.6	.5	.6	.5	.3	.2	.2	.1
30. *	.7	.5	.5	.4	.4	.4	.9	.9	.7	.6	.6	.7	.6	.6	.6	.5	.3	.3	.2	.1
35. *	.7	.6	.5	.5	.4	.4	.7	.9	.7	.7	.6	.7	.6	.6	.6	.4	.3	.4	.3	.1
40. *	.8	.6	.6	.4	.4	.4	.7	.9	1.0	.7	.6	.7	.6	.6	.6	.4	.3	.3	.2	.1
45. *	.7	.7	.6	.5	.4	.4	.7	.9	1.0	.9	.6	.6	.5	.5	.6	.5	.4	.3	.2	.2
50. *	.7	.5	.6	.4	.4	.4	.7	.9	1.0	.9	.7	.7	.5	.5	.5	.5	.4	.3	.2	.2
55. *	.7	.7	.5	.4	.4	.4	.5	.8	1.0	.8	.7	.5	.5	.5	.5	.5	.3	.3	.2	.3
60. *	.9	.6	.5	.4	.4	.4	.4	.6	.9	.9	.8	.7	.5	.5	.5	.5	.3	.3	.3	.3
65. *	.8	.6	.5	.4	.4	.4	.4	.7	.8	.8	.8	.7	.5	.5	.5	.5	.3	.5	.3	.3
70. *	.8	.5	.4	.4	.4	.4	.7	.7	.8	.9	.7	.6	.5	.5	.5	.5	.4	.4	.2	.2
75. *	.7	.5	.4	.4	.4	.4	.7	.8	.7	.8	.6	.6	.5	.5	.5	.4	.4	.4	.2	.3
80. *	.8	.5	.4	.4	.4	.4	.6	.7	.6	.7	.5	.8	.4	.5	.5	.4	.4	.4	.3	.4
85. *	.7	.4	.4	.4	.4	.4	.6	.6	.5	.4	.5	.7	.4	.5	.5	.4	.4	.6	.6	.4
90. *	.5	.4	.4	.4	.4	.4	.5	.5	.4	.3	.3	1.1	.5	.4	.5	.4	.4	.7	.6	.8
95. *	.5	.4	.4	.4	.4	.4	.3	.2	.4	.2	.1	1.0	.5	.4	.5	.4	.4	.7	.7	.8
100. *	.5	.4	.4	.4	.4	.4	.2	.2	.2	.2	.1	1.0	.6	.5	.5	.4	.4	.8	.9	.8
105. *	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	1.0	.7	.5	.4	.4	.4	.8	.9	.8
110. *	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	1.0	.8	.5	.5	.4	.4	.8	.9	1.0
115. *	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	1.0	.9	.6	.5	.5	.4	.7	.8	1.0
120. *	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	.8	.9	.6	.5	.5	.4	.8	.9	1.1
125. *	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0	.7	.8	.7	.5	.5	.4	.7	1.0	1.1
130. *	.4	.4	.4	.4	.4	.4	.3	.2	.2	.1	.0	.6	.8	.7	.5	.5	.5	.7	.9	1.0
135. *	.4	.4	.4	.4	.4	.4	.3	.2	.2	.1	.0	.6	.9	.7	.6	.5	.5	.8	.9	1.0
140. *	.4	.4	.4	.4	.4	.4	.3	.3	.2	.2	.0	.6	.7	.7	.6	.5	.5	.7	.9	1.0
145. *	.4	.4	.4	.4	.4	.3	.3	.2	.1	.0	.0	.7	1.0	.6	.6	.5	.5	.8	.9	.9
150. *	.4	.4	.4	.4	.3	.3	.3	.2	.1	.0	.0	.6	1.1	.6	.7	.6	.5	.9	.9	.9
155. *	.4	.4	.4	.4	.3	.2	.3	.1	.1	.0	.0	.6	.9	.7	.6	.6	.5	.9	.8	.9
160. *	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.7	.8	.8	.6	.7	.6	.8	.8	.8
165. *	.3	.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.6	.6	.7	.6	.6	.6	.8	.8	.8
170. *	.3	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	.7	.6	.5	.4	.5	.6	.8	.7	.8
175. *	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.7	.3	.4	.4	.5	.4	.7	.7	.8
180. *	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.4	.3	.3	.7	.7	.8
185. *	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.2	.1	.1	.7	.7	.8
190. *	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.4	.2	.1	.1	.7	.7	.8
195. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.4	.1	.0	.7	.7	.8
200. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.3	.1	.0	.7	.7	.9
205. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.1	.0	.7	.7	.9

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JOB: S13 MD410&SB 295 HLRT30 PM

RUN: S13 MD410&SB 295 HLRT PM

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WIND \* CONCENTRATION



ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.1	.0	.7	.8	.9
215.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.3	.3	.1	.0	.8	.8	.9
220.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.3	.1	.0	.8	.8	.9
225.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.1	.1	.1	.8	.8	.9
230.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.3	.1	.1	.0	.9	.9	.9
235.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.3	.1	.1	.0	.9	.9	.9
240.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.1	.1	.0	.9	.9	1.0
245.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.1	.1	.1	.0	.9	.9	1.1
250.	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.9	.4	.1	.1	.0	.0	.9	.8	1.2
255.	.1	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.8	.3	.1	.1	.0	.0	.8	.8	1.1
260.	.3	.1	.0	.0	.0	.0	.3	.3	.2	.2	.1	.8	.3	.1	.1	.0	.0	.8	.8	1.0
265.	.4	.1	.0	.0	.0	.0	.4	.4	.4	.3	.3	.8	.1	.1	.0	.0	.0	.7	.6	1.0
270.	.6	.1	.1	.0	.0	.0	.6	.6	.6	.5	.4	.6	.1	.0	.0	.0	.0	.5	.5	.7
275.	.7	.2	.1	.1	.0	.0	.6	.6	.7	.7	.5	.3	.0	.0	.0	.0	.0	.3	.3	.5
280.	.7	.3	.1	.1	.0	.0	.9	.8	.9	.7	.6	.3	.0	.0	.0	.0	.0	.3	.2	.2
285.	.8	.3	.1	.1	.1	.0	.9	.9	.8	.8	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
290.	.8	.3	.2	.1	.1	.0	.9	.9	.7	.7	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
295.	.7	.4	.3	.1	.1	.1	.8	.8	.8	.7	.7	.1	.0	.0	.0	.0	.0	.1	.1	.1
300.	.7	.4	.2	.1	.1	.1	.8	.8	.9	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	.5	.4	.2	.1	.1	.1	.8	.8	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	.5	.4	.3	.1	.1	.1	.8	.8	.8	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	.5	.4	.3	.2	.1	.1	.8	.8	.8	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	.4	.4	.3	.2	.1	.1	.8	.8	.7	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	.4	.3	.3	.2	.1	.1	.7	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	.4	.3	.3	.2	.1	.1	.7	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	.2	.3	.3	.2	.1	.1	.6	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	.3	.3	.3	.2	.1	.0	.6	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	.4	.3	.3	.1	.1	.0	.6	.6	.6	.6	.6	.1	.1	.1	.1	.0	.0	.0	.0	.0
350.	.4	.3	.1	.0	.0	.0	.6	.6	.6	.6	.6	.1	.1	.1	.1	.1	.1	.0	.0	.0
355.	.4	.2	.2	.1	.1	.1	.6	.6	.6	.7	.6	.1	.2	.2	.3	.1	.1	.0	.0	.0
360.	.6	.4	.3	.2	.1	.3	.7	.6	.6	.7	.6	.4	.4	.4	.4	.1	.1	.0	.0	.0
MAX	.9	.7	.6	.5	.5	.4	.9	.9	1.0	1.0	.8	1.1	1.1	.8	.7	.7	.6	.9	1.0	1.2
DEGR.	60	45	40	20	25	15	25	30	40	55	55	90	150	160	150	160	160	150	125	250

1

JOB: S13 MD410&SB 295 HLRT30 PM

RUN: S13 MD410&SB 295 HLRT PM

PAGE 6

# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.1	.0
50.	.1	.0
55.	.1	.0
60.	.1	.1
65.	.1	.1
70.	.1	.1
75.	.4	.1
80.	.5	.2
85.	.6	.4
90.	.6	.5
95.	.7	.8
100.	.9	.7
105.	.9	.8
110.	.9	.9
115.	1.0	.8
120.	1.1	.9
125.	1.0	.9
130.	.9	.8
135.	.9	.8
140.	.8	.8
145.	.7	.8
150.	.7	.8
155.	.8	.8
160.	.8	.8
165.	.8	.8
170.	.7	.8
175.	.7	.8
180.	.7	.8
185.	.7	.8
190.	.8	.8

```

195. * .8 .8
200. * .7 .8
205. * .7 .8

```

1

JOB: S13 MD410&SB 295 HLRT30 PM

RUN: S13 MD410&SB 295 HLRT PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

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```

-----*-----
210. * .8 .8
215. * .8 .8
220. * .9 .8
225. * 1.0 .8
230. * 1.0 .8
235. * .9 .9
240. * .9 .9
245. * .9 .9
250. * 1.0 .9
255. * .8 .9
260. * .8 .7
265. * .6 .6
270. * .5 .4
275. * .3 .3
280. * .2 .2
285. * .1 .1
290. * .0 .1
295. * .0 .0
300. * .0 .0
305. * .0 .0
310. * .0 .0
315. * .0 .0
320. * .0 .0
325. * .0 .0
330. * .0 .0
335. * .0 .0
340. * .0 .0
345. * .0 .0
350. * .0 .0
355. * .0 .0
360. * .0 .0
-----*-----

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```

MAX * 1.1 .9
DEGR. * 120 120

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THE HIGHEST CONCENTRATION IS 1.20 PPM AT 250 DEGREES FROM REC20.
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 90 DEGREES FROM REC12.
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC13.

```

Site 14

MD 410 at MD 295  
Northbound Ramps

2015

S14	MD410&295NB				60.0321	0.0000	0.000200	30480000		1	1
SE	COR		2001.	1166.	5.0						
SE	82S		1995.	1101.	5.0						
SE	164S		1987.	1019.	5.0						
SE	256S		1973.	935.	5.0						
SE	MIDS		1900.	581.	5.0						
SE	MIDS		1848.	418.	5.0						
SE	82E		2070.	1172.	5.0						
SE	164E		2117.	1160.	5.0						
SE	256E		2227.	1195.	5.0						
SE	MIDE		2501.	1345.	5.0						
SE	MIDE		2628.	1473.	5.0						
NE	COR		2011.	1289.	5.0						
NE	82E		2076.	1287.	5.0						
NE	164E		2159.	1298.	5.0						
NE	256E		2237.	1319.	5.0						
NE	MIDE		2598.	1546.	5.0						
NE	MIDE		2757.	1725.	5.0						
NE	82N		2001.	1352.	5.0						
NE	MIDN		1959.	1799.	5.0						
NE	MIDN		1977.	2062.	5.0						
S14	MD410&295NB				44	1	0				
EB	410SR	AG	1424.	1185.	426.	1149.	1235	5.3	0.	56	25
EB	410SR	AG	1382.	1184.	1049.	1171.	0.	36	3		
	100	41	2.0	1235	57.0	1667	1	3			
EB	410NR	AG	1978.	1203.	1427.	1193.	1160	5.3	0.	56	25
EB	410NR	AG	1925.	1202.	1741.	1199.	0.	36	3		
	100	19	2.0	1160	57.0	1770	1	3			
EBDP	410NR	AG	2842.	1738.	2512.	1380.	965	5.3	0.	44	25
EBDP	410NR	AG	2512.	1380.	2360.	1282.	965	5.3	0.	44	25
EBDP	410NR	AG	2360.	1282.	2239.	1232.	965	5.3	0.	44	25
EBDP	410NR	AG	2239.	1232.	2111.	1204.	965	5.3	0.	44	25
EBDP	410NR	AG	2111.	1204.	1974.	1193.	965	5.3	0.	44	25
WB	410NR	AG	1986.	1244.	2167.	1260.	1750	5.5	0.	68	22
WB	410NR	AG	2021.	1247.	2144.	1258.	0.	48	4		
	100	40	2.0	1750	57.0	1667	1	3			
WB	410NR	AG	2167.	1260.	2371.	1329.	1750	5.5	0.	68	22
WB	410NR	AG	2371.	1329.	2507.	1424.	1750	5.5	0.	56	22
WB	410NR	AG	2508.	1423.	2596.	1498.	1750	5.5	0.	44	22
WB	410NR	AG	2596.	1498.	2828.	1760.	1750	5.5	0.	44	22
WB	410SR	AG	1425.	1230.	1985.	1240.	1795	5.6	0.	56	21
WB	410SR	AG	1465.	1231.	1654.	1234.	0.	36	3		
	100	24	2.0	1795	57.0	1770	1	3			
WBBDP	410SR	AG	425.	1195.	1422.	1234.	1795	5.6	0.	44	22
SB	410SR	AG	1427.	1213.	1423.	1441.	340	5.1	0.	56	35
SB	410SR	AG	1426.	1279.	1424.	1396.	0.	36	3		
	100	74	2.0	340	57.0	1672	1	3			
SB	410SR	AG	1423.	1441.	1436.	1576.	340	5.1	0.	56	35
SB	410SR	AG	1438.	1577.	1506.	1865.	340	5.1	0		

NB	295NR	AG	1959.	1008.	1926.	828.	350	5.1	0.	56	35
1											
NBALL	295NR	AG	1927.	825.	1864.	545.	350	5.1	0.	44	35
1											
NBALL	295NR	AG	1864.	545.	1783.	278.	350	5.1	0.	44	35
1											
NBDP	295NR	AG	1955.	2063.	1935.	1845.	500	5.1	0.	32	35
1											
NBDP	295NR	AG	1935.	1845.	1942.	1667.	500	5.1	0.	32	35
1											
NBDP	295NR	AG	1942.	1667.	1967.	1451.	500	5.1	0.	32	35
1											
NBDP	295NR	AG	1967.	1451.	1990.	1231.	500	5.1	0.	32	35
1											
NB	I295	AG	1929.	2078.	1865.	1711.	2510	6.6	0.	44	55
1											
NB	I295	AG	1865.	1711.	1834.	1289.	2510	6.6	0.	44	55
1											
NB	I295	AG	1834.	1289.	1787.	597.	2510	6.6	0.	44	55
1											
NB	I295	AG	1787.	597.	1731.	261.	2510	6.6	0.	44	55
1.0	04	1000	0Y	5	0	72					

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB

DATE: 09/17/2007 TIME: 16:12:05.16

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
			X1	Y1	X2	Y2								
1.	EB	410SR	* 1424.0	1185.0	426.0	1149.0	*	999.	268. AG	1235.	5.3	.0	56.0	
2.	EB	410SR	* 1382.0	1184.0	1289.9	1180.4	*	92.	268. AG	188.	100.0	.0	36.0	.45 4.7
3.	EB	410NR	* 1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1160.	5.3	.0	56.0	
4.	EB	410NR	* 1925.0	1202.0	1884.9	1201.3	*	40.	269. AG	87.	100.0	.0	36.0	.28 2.0
5.	EBDP	410NR	* 2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	965.	5.3	.0	44.0	
6.	EBDP	410NR	* 2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	965.	5.3	.0	44.0	
7.	EBDP	410NR	* 2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	965.	5.3	.0	44.0	
8.	EBDP	410NR	* 2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	965.	5.3	.0	44.0	
9.	EBDP	410NR	* 2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	965.	5.3	.0	44.0	
10.	WB	410NR	* 1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	1750.	5.5	.0	68.0	
11.	WB	410NR	* 2021.0	1247.0	2116.2	1255.5	*	96.	85. AG	245.	100.0	.0	48.0	.47 4.9
12.	WB	410NR	* 2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	1750.	5.5	.0	68.0	
13.	WB	410NR	* 2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	1750.	5.5	.0	56.0	
14.	WB	410NR	* 2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	1750.	5.5	.0	44.0	
15.	WB	410NR	* 2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	1750.	5.5	.0	44.0	
16.	WB	410SR	* 1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	1795.	5.6	.0	56.0	
17.	WB	410SR	* 1465.0	1231.0	1543.5	1232.2	*	78.	89. AG	110.	100.0	.0	36.0	.47 4.0
18.	WB	410SR	* 425.0	1195.0	1422.0	1234.0	*	998.	88. AG	1795.	5.6	.0	44.0	
19.	SB	410SR	* 1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	340.	5.1	.0	56.0	
20.	SB	410SR	* 1426.0	1279.0	1425.2	1324.7	*	46.	359. AG	339.	100.0	.0	36.0	.31 2.3
21.	SB	410SR	* 1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	340.	5.1	.0	56.0	
22.	SB	410SR	* 1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	340.	5.1	.0	44.0	
23.	SB	410SR	* 1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	340.	5.1	.0	12.0	
24.	SBDP	410SR	* 1509.0	217.0	1516.0	423.0	*	206.	2. AG	410.	5.1	.0	32.0	
25.	SBDP	410SR	* 1516.0	423.0	1494.0	658.0	*	236.	355. AG	410.	5.1	.0	32.0	
26.	SBDP	410SR	* 1494.0	658.0	1443.0	935.0	*	282.	350. AG	410.	5.1	.0	32.0	
27.	SBDP	410SR	* 1443.0	935.0	1429.0	1211.0	*	276.	357. AG	410.	5.1	.0	32.0	
28.	SB	I295	* 1535.0	222.0	1561.0	511.0	*	290.	5. AG	3764.	6.6	.0	44.0	
29.	SB	I295	* 1562.0	512.0	1548.0	1370.0	*	858.	359. AG	3764.	6.6	.0	44.0	
30.	SB	I295	* 1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	3764.	6.6	.0	44.0	
31.	SB	I295	* 1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	3764.	6.6	.0	44.0	
32.	NB	295NR	* 1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	350.	5.1	.0	56.0	
33.	NB	410NR	* 1967.0	1160.0	1964.5	1109.3	*	51.	183. AG	367.	100.0	.0	36.0	.43 2.6
34.	NB	295NR	* 1959.0	1008.0	1926.0	828.0	*	183.	190. AG	350.	5.1	.0	56.0	
35.	NBALL	295NR	* 1927.0	825.0	1864.0	545.0	*	287.	193. AG	350.	5.1	.0	44.0	
36.	NBALL	295NR	* 1864.0	545.0	1783.0	278.0	*	279.	197. AG	350.	5.1	.0	44.0	
37.	NBDP	295NR	* 1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	500.	5.1	.0	32.0	
38.	NBDP	295NR	* 1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	500.	5.1	.0	32.0	
39.	NBDP	295NR	* 1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	500.	5.1	.0	32.0	
40.	NBDP	295NR	* 1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	500.	5.1	.0	32.0	
41.	NB	I295	* 1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	2510.	6.6	.0	44.0	
42.	NB	I295	* 1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	2510.	6.6	.0	44.0	
43.	NB	I295	* 1834.0	1289.0	1787.0	597.0	*	694.	184. AG	2510.	6.6	.0	44.0	
44.	NB	I295	* 1787.0	597.0	1731.0	261.0	*	341.	189. AG	2510.	6.6	.0	44.0	

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB

DATE: 09/17/2007 TIME: 16:12:05.16

## ADDITIONAL QUEUE LINK PARAMETERS

	LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
			LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
2.	EB	410SR	* 100	41	2.0	1235	1667	57.00	1	3
4.	EB	410NR	* 100	19	2.0	1160	1770	57.00	1	3
11.	WB	410NR	* 100	40	2.0	1750	1667	57.00	1	3
17.	WB	410SR	* 100	24	2.0	1795	1770	57.00	1	3
20.	SB	410SR	* 100	74	2.0	340	1672	57.00	1	3
33.	NB	410NR	* 100	80	2.0	350	1672	57.00	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	2001.0	1166.0	5.0	*
2. SE 82S	*	1995.0	1101.0	5.0	*
3. SE 164S	*	1987.0	1019.0	5.0	*
4. SE 256S	*	1973.0	935.0	5.0	*
5. SE MIDS	*	1900.0	581.0	5.0	*
6. SE MIDS	*	1848.0	418.0	5.0	*
7. SE 82E	*	2070.0	1172.0	5.0	*
8. SE 164E	*	2117.0	1160.0	5.0	*
9. SE 256E	*	2227.0	1195.0	5.0	*
10. SE MIDE	*	2501.0	1345.0	5.0	*
11. SE MIDE	*	2628.0	1473.0	5.0	*
12. NE COR	*	2011.0	1289.0	5.0	*

13. NE 82E	*	2076.0	1287.0	5.0	*
14. NE 164E	*	2159.0	1298.0	5.0	*
15. NE 256E	*	2237.0	1319.0	5.0	*
16. NE MIDE	*	2598.0	1546.0	5.0	*
17. NE MIDE	*	2757.0	1725.0	5.0	*
18. NE 82N	*	2001.0	1352.0	5.0	*
19. NE MIDN	*	1959.0	1799.0	5.0	*
20. NE MIDN	*	1977.0	2062.0	5.0	*

1

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB

PAGE 3

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.4	.5	.4	.2	.2	.3	.8	.5	.3	.4	.5	.0	.0	.0	.0	.0	.0	.1	.2	.0
5.	.4	.4	.5	.2	.2	.3	.8	.3	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0
10.	.6	.4	.3	.2	.1	.2	.7	.3	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0
15.	.6	.4	.3	.2	.0	.2	.6	.3	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	.7	.4	.2	.1	.0	.1	.6	.3	.4	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	.7	.4	.2	.1	.0	.0	.6	.3	.4	.5	.6	.0	.0	.0	.0	.0	.1	.0	.0	.0
30.	.7	.4	.2	.0	.0	.0	.5	.3	.4	.5	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0
35.	.7	.4	.2	.0	.0	.0	.6	.3	.3	.5	.5	.0	.0	.0	.0	.2	.1	.0	.0	.0
40.	.7	.3	.0	.0	.0	.0	.5	.2	.4	.5	.4	.0	.0	.0	.0	.2	.1	.0	.0	.0
45.	.7	.4	.1	.0	.0	.0	.5	.2	.3	.5	.3	.0	.0	.0	.1	.4	.1	.0	.0	.0
50.	.8	.3	.0	.0	.0	.0	.5	.2	.3	.3	.3	.0	.0	.0	.1	.4	.2	.0	.0	.0
55.	.6	.1	.0	.0	.0	.0	.4	.2	.3	.2	.1	.0	.0	.1	.1	.5	.2	.0	.0	.0
60.	.6	.1	.0	.0	.0	.0	.4	.2	.3	.1	.1	.0	.0	.1	.2	.5	.2	.0	.0	.0
65.	.5	.1	.0	.0	.0	.0	.3	.2	.1	.1	.1	.0	.2	.2	.3	.5	.3	.0	.0	.0
70.	.6	.0	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.2	.3	.3	.5	.3	.0	.0	.0
75.	.4	.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.2	.2	.4	.4	.5	.4	.0	.0	.0
80.	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.2	.4	.4	.4	.4	.0	.0	.0
85.	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.4	.4	.5	.4	.4	.0	.0	.0
90.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.3	.5	.4	.4	.1	.0	.0
95.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.3	.5	.4	.4	.1	.0	.0
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.4	.3	.4	.4	.1	.0	.0
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.6	.4	.3	.4	.4	.1	.0	.0
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.8	.4	.4	.4	.4	.2	.0	.0
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	.4	.4	.4	.4	.3	.0	.0
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.4	.4	.4	.4	.3	.0	.0
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.8	.3	.4	.4	.4	.2	.0	.0
130.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.3	.4	.4	.4	.3	.0	.0
135.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.9	.3	.4	.4	.4	.3	.0	.0
140.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.9	.3	.4	.4	.4	.4	.0	.0
145.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.4	.4	.4	.4	.4	.0	.0
150.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.4	.4	.4	.4	.4	.0	.0
155.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	.4	.4	.4	.4	.4	.0	.0
160.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0	.4	.4	.4	.4	.3	.0	.0
165.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.4	.4	.4	.4	.3	.0	.0
170.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.4	.4	.4	.4	.3	.0	.0
175.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.4	.3	.4	.4	.3	.0	.0
180.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.1	.4	.3	.4	.4	.4	.3	.3
185.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.1	.4	.4	.4	.5	.5	.3	.4
190.	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.1	.4	.4	.5	.5	.5	.4	.6
195.	.5	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.6	1.2	.3	.4	.4	.5	.4	.5	.6
200.	.6	.3	.3	.3	.1	.1	.1	.0	.0	.0	.0	.7	1.3	.4	.4	.4	.5	.5	.5	.6
205.	.7	.3	.3	.3	.1	.2	.1	.0	.0	.0	.1	.7	1.3	.5	.4	.4	.5	.7	.4	.7

1

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	1.0	.2	.4	.4	.3	.2	.1	.1	.0	.0	.1	.8	1.3	.5	.4	.5	.5	.6	.5	.7
215.	1.1	.4	.3	.4	.2	.2	.2	.1	.0	.0	.1	.9	1.4	.7	.5	.5	.4	.6	.5	.7
220.	1.1	.4	.5	.5	.3	.3	.3	.2	.1	.1	.2	.9	1.3	.9	.7	.3	.4	.6	.6	.6
225.	1.2	.4	.4	.5	.3	.3	.3	.2	.2	.1	.3	.8	1.3	1.0	.8	.2	.3	.7	.6	.7
230.	1.2	.4	.3	.4	.3	.3	.3	.2	.2	.1	.4	.8	1.4	1.0	.8	.2	.1	.7	.5	.7
235.	1.2	.4	.3	.4	.3	.4	.4	.2	.2	.3	.5	.8	1.3	1.1	.8	.4	.2	.6	.5	.6
240.	1.2	.4	.3	.4	.3	.4	.4	.3	.2	.5	.7	.9	1.2	1.1	.8	.1	.2	.6	.5	.6
245.	1.1	.4	.3	.4	.4	.4	.4	.3	.3	.5	.7	.9	1.2	1.1	.9	.1	.0	.7	.5	.6
250.	1.0	.4	.3	.4	.4	.4	.5	.3	.3	.6	.6	.8	1.1	1.1	1.0	.1	.0	.6	.5	.6
255.	1.0	.5	.3	.4	.5	.4	.5	.4	.3	.5	.6	.7	1.0	1.0	.9	.0	.0	.5	.6	.7
260.	1.0	.5	.3	.4	.5	.5	.6	.4	.5	.5	.5	.8	.9	.9	.7	.0	.0	.5	.6	.6
265.	1.0	.6	.3	.4	.4	.5	.7	.6	.8	.5	.4	.8	.9	.8	.5	.0	.0	.5	.5	.5
270.	1.1	.6	.4	.4	.4	.5	.8	.5	.9	.5	.4	.7	.7	.5	.6	.0	.0	.5	.5	.4
275.	1.0	.9	.4	.4	.4	.4	.8	.6	.8	.5	.4	.5	.4	.5	.3	.0	.0	.5	.5	.4
280.	.9	1.1	.5	.4	.4	.4	.7	.6	.8	.6	.4	.5	.5	.3	.2	.0	.0	.4	.5	.3
285.	.9	1.1	.5	.4	.4	.5	.7	.7	.6	.5	.4	.3	.3	.2	.2	.0	.0	.4	.5	.3
290.	.9	1.2	.5	.4	.4	.6	.7	.5	.9	.4	.4	.3	.2	.2	.2	.1	.0	.4	.5	.3
295.	.9	1.3	.6	.4	.5	.4	.9	.8	.8	.4	.5	.4	.2	.2	.2	.0	.0	.4	.5	.2
300.	.9	1.3	.6	.4	.5	.4	.9	.6	.8	.4	.5	.4	.2	.2	.1	.0	.0	.4	.5	.1

305.	*	.9	1.3	.6	.5	.5	.5	.7	.6	.6	.5	.4	.4	.2	.2	.2	.0	.0	.4	.5	.1
310.	*	.8	1.3	.7	.5	.5	.5	.7	.7	.6	.4	.4	.4	.2	.2	.2	.0	.0	.5	.5	.0
315.	*	.7	1.5	.6	.6	.5	.5	.7	.6	.7	.4	.5	.5	.2	.2	.2	.0	.0	.4	.5	.0
320.	*	.6	1.5	.6	.6	.5	.5	.8	.7	.5	.4	.5	.4	.2	.2	.1	.0	.0	.4	.5	.0
325.	*	.8	1.5	.7	.5	.4	.5	.8	.8	.5	.4	.4	.4	.2	.2	.2	.0	.0	.4	.5	.0
330.	*	.7	1.3	.8	.4	.4	.6	.8	.8	.2	.4	.4	.3	.2	.2	.1	.0	.0	.3	.4	.0
335.	*	.6	1.2	.8	.6	.4	.6	.8	.8	.3	.4	.4	.3	.3	.1	.1	.0	.0	.4	.4	.0
340.	*	.6	1.1	.6	.6	.4	.6	.8	.6	.3	.4	.4	.4	.1	.1	.0	.0	.0	.4	.5	.0
345.	*	.5	1.0	.6	.6	.3	.5	1.0	.6	.3	.4	.4	.3	.1	.0	.0	.0	.0	.3	.4	.0
350.	*	.7	.7	.6	.4	.3	.5	.9	.7	.3	.4	.5	.3	.1	.0	.0	.0	.0	.2	.3	.0
355.	*	.8	.8	.5	.2	.3	.4	.8	.6	.3	.4	.5	.1	.0	.0	.0	.0	.0	.1	.3	.0
360.	*	.4	.5	.4	.2	.2	.3	.8	.5	.3	.4	.5	.0	.0	.0	.0	.0	.0	.1	.2	.0
-----*																					
MAX	*	1.2	1.5	.8	.6	.5	.6	1.0	.8	.9	.6	.7	1.0	1.4	1.1	1.0	.5	.5	.7	.6	.7
DEGR.	*	225	315	330	315	255	290	345	295	270	250	240	135	215	240	250	55	185	245	220	205

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 315 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 215 DEGREES FROM REC13.  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 225 DEGREES FROM REC1 .



S14	MD410&295NB				60.0321	0.0000	0.0002	0.3048	0.0000	1	1
SE	COR		2001.	1166.	5.0						
SE	82S		1995.	1101.	5.0						
SE	164S		1987.	1019.	5.0						
SE	256S		1973.	935.	5.0						
SE	MIDS		1900.	581.	5.0						
SE	MIDS		1848.	418.	5.0						
SE	82E		2070.	1172.	5.0						
SE	164E		2117.	1160.	5.0						
SE	256E		2227.	1195.	5.0						
SE	MIDE		2501.	1345.	5.0						
SE	MIDE		2628.	1473.	5.0						
NE	COR		2011.	1289.	5.0						
NE	82E		2076.	1287.	5.0						
NE	164E		2159.	1298.	5.0						
NE	256E		2237.	1319.	5.0						
NE	MIDE		2598.	1546.	5.0						
NE	MIDE		2757.	1725.	5.0						
NE	82N		2001.	1352.	5.0						
NE	MIDN		1959.	1799.	5.0						
NE	MIDN		1977.	2062.	5.0						
S14	MD410&295NB				44	1	0				
EB	410SR	AG	1424.	1185.	426.	1149.	1235	6.1	0.	56	25
EB	410SR	AG	1382.	1184.	1049.	1171.	0.	36	3		
	100	47	2.0	1235	65.9	1667	1	3			
EB	410NR	AG	1978.	1203.	1427.	1193.	1160	6.1	0.	56	25
EB	410NR	AG	1925.	1202.	1741.	1199.	0.	36	3		
	100	22	2.0	1160	65.9	1770	1	3			
EBDP	410NR	AG	2842.	1738.	2512.	1380.	965	6.1	0.	44	25
EBDP	410NR	AG	2512.	1380.	2360.	1282.	965	6.1	0.	44	25
EBDP	410NR	AG	2360.	1282.	2239.	1232.	965	6.1	0.	44	25
EBDP	410NR	AG	2239.	1232.	2111.	1204.	965	6.1	0.	44	25
EBDP	410NR	AG	2111.	1204.	1974.	1193.	965	6.1	0.	44	25
WB	410NR	AG	1986.	1244.	2167.	1260.	1750	6.5	0.	68	22
WB	410NR	AG	2021.	1247.	2144.	1258.	0.	48	4		
	100	37	2.0	1750	65.9	1667	1	3			
WB	410NR	AG	2167.	1260.	2371.	1329.	1750	6.5	0.	68	22
WB	410NR	AG	2371.	1329.	2507.	1424.	1750	6.5	0.	56	22
WB	410NR	AG	2508.	1423.	2596.	1498.	1750	6.5	0.	44	22
WB	410NR	AG	2596.	1498.	2828.	1760.	1750	6.5	0.	44	22
WB	410SR	AG	1425.	1230.	1985.	1240.	1795	6.5	0.	56	21
WB	410SR	AG	1465.	1231.	1654.	1234.	0.	36	3		
	100	28	2.0	1795	65.9	1770	1	3			
WBBDP	410SR	AG	425.	1195.	1422.	1234.	1795	6.5	0.	44	22
SB	410SR	AG	1427.	1213.	1423.	1441.	340	5.8	0.	56	35
SB	410SR	AG	1426.	1279.	1424.	1396.	0.	36	3		
	100	71	2.0	340	65.9	1672	1	3			
SB	410SR	AG	1423.	1441.	1436.	1576.	340	5.8	0.	56	35
SB	410SR	AG	1438.	1577.	1506.	1865.	340	5.8			

NB		295NR	AG	1959.	1008.	1926.	828.	350	5.8	0.	56	35
1												
NBALL		295NR	AG	1927.	825.	1864.	545.	350	5.8	0.	44	35
1												
NBALL		295NR	AG	1864.	545.	1783.	278.	350	5.8	0.	44	35
1												
NBDP		295NR	AG	1955.	2063.	1935.	1845.	500	5.8	0.	32	35
1												
NBDP		295NR	AG	1935.	1845.	1942.	1667.	500	5.8	0.	32	35
1												
NBDP		295NR	AG	1942.	1667.	1967.	1451.	500	5.8	0.	32	35
1												
NBDP		295NR	AG	1967.	1451.	1990.	1231.	500	5.8	0.	32	35
1												
NB		I295	AG	1929.	2078.	1865.	1711.	2510	7.7	0.	44	57
1												
NB		I295	AG	1865.	1711.	1834.	1289.	2510	7.7	0.	44	55
1												
NB		I295	AG	1834.	1289.	1787.	597.	2510	7.7	0.	44	55
1												
NB		I295	AG	1787.	597.	1731.	261.	2510	7.7	0.	44	55
1.0	04	1000	0Y	5	0	72						

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB

DATE: 01/11/2008 TIME: 11:26:29.67

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EB	410SR	*	1424.0	1185.0	426.0	1149.0	*	999.	268. AG	1235.	6.1	.0	56.0	
2. EB	410SR	*	1382.0	1184.0	1276.5	1179.9	*	106.	268. AG	249.	100.0	.0	36.0	.50 5.4
3. EB	410NR	*	1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1160.	6.1	.0	56.0	
4. EB	410NR	*	1925.0	1202.0	1878.6	1201.2	*	46.	269. AG	117.	100.0	.0	36.0	.29 2.4
5. EBDP	410NR	*	2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	965.	6.1	.0	44.0	
6. EBDP	410NR	*	2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	965.	6.1	.0	44.0	
7. EBDP	410NR	*	2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	965.	6.1	.0	44.0	
8. EBDP	410NR	*	2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	965.	6.1	.0	44.0	
9. EBDP	410NR	*	2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	965.	6.1	.0	44.0	
10. WB	410NR	*	1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	1750.	6.5	.0	68.0	
11. WB	410NR	*	2021.0	1247.0	2109.1	1254.9	*	88.	85. AG	262.	100.0	.0	48.0	.44 4.5
12. WB	410NR	*	2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	1750.	6.5	.0	68.0	
13. WB	410NR	*	2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	1750.	6.5	.0	56.0	
14. WB	410NR	*	2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	1750.	6.5	.0	44.0	
15. WB	410NR	*	2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	1750.	6.5	.0	44.0	
16. WB	410SR	*	1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	1795.	6.5	.0	56.0	
17. WB	410SR	*	1465.0	1231.0	1556.5	1232.5	*	92.	89. AG	148.	100.0	.0	36.0	.50 4.7
18. WBDP	410SR	*	425.0	1195.0	1422.0	1234.0	*	998.	88. AG	1795.	6.5	.0	44.0	
19. SB	410SR	*	1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	340.	5.8	.0	56.0	
20. SB	410SR	*	1426.0	1279.0	1425.3	1322.9	*	44.	359. AG	377.	100.0	.0	36.0	.27 2.2
21. SB	410SR	*	1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	340.	5.8	.0	56.0	
22. SB	410SR	*	1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	340.	5.8	.0	44.0	
23. SB	410SR	*	1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	340.	5.8	.0	12.0	
24. SBDP	410SR	*	1509.0	217.0	1516.0	423.0	*	206.	2. AG	410.	5.8	.0	32.0	
25. SBDP	410SR	*	1516.0	423.0	1494.0	658.0	*	236.	355. AG	410.	5.8	.0	32.0	
26. SBDP	410SR	*	1494.0	658.0	1443.0	935.0	*	282.	350. AG	410.	5.8	.0	32.0	
27. SBDP	410SR	*	1443.0	935.0	1429.0	1211.0	*	276.	357. AG	410.	5.8	.0	32.0	
28. SB	I295	*	1535.0	222.0	1561.0	511.0	*	290.	5. AG	3764.	8.1	.0	44.0	
29. SB	I295	*	1562.0	512.0	1548.0	1370.0	*	858.	359. AG	3764.	8.1	.0	44.0	
30. SB	I295	*	1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	3764.	8.1	.0	44.0	
31. SB	I295	*	1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	3764.	8.1	.0	44.0	
32. NB	295NR	*	1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	350.	5.8	.0	56.0	
33. NB	410NR	*	1967.0	1160.0	1964.6	1111.9	*	48.	183. AG	403.	100.0	.0	36.0	.35 2.4
34. NB	295NR	*	1959.0	1008.0	1926.0	828.0	*	183.	190. AG	350.	5.8	.0	56.0	
35. NBALL	295NR	*	1927.0	825.0	1864.0	545.0	*	287.	193. AG	350.	5.8	.0	44.0	
36. NBALL	295NR	*	1864.0	545.0	1783.0	278.0	*	279.	197. AG	350.	5.8	.0	44.0	
37. NBDP	295NR	*	1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	500.	5.8	.0	32.0	
38. NBDP	295NR	*	1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	500.	5.8	.0	32.0	
39. NBDP	295NR	*	1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	500.	5.8	.0	32.0	
40. NBDP	295NR	*	1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	500.	5.8	.0	32.0	
41. NB	I295	*	1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	2510.	7.7	.0	44.0	
42. NB	I295	*	1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	2510.	7.7	.0	44.0	
43. NB	I295	*	1834.0	1289.0	1787.0	597.0	*	694.	184. AG	2510.	7.7	.0	44.0	
44. NB	I295	*	1787.0	597.0	1731.0	261.0	*	341.	189. AG	2510.	7.7	.0	44.0	

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB

DATE: 01/11/2008 TIME: 11:26:29.67

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EB	410SR	*	100	47	2.0	1235	1667	65.90	1	3
4. EB	410NR	*	100	22	2.0	1160	1770	65.90	1	3
11. WB	410NR	*	100	37	2.0	1750	1667	65.90	1	3
17. WB	410SR	*	100	28	2.0	1795	1770	65.90	1	3
20. SB	410SR	*	100	71	2.0	340	1672	65.90	1	3
33. NB	410NR	*	100	76	2.0	350	1672	65.90	1	3

## RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	2001.0	1166.0	5.0	*
2. SE 82S		*	1995.0	1101.0	5.0	*
3. SE 164S		*	1987.0	1019.0	5.0	*
4. SE 256S		*	1973.0	935.0	5.0	*
5. SE MIDS		*	1900.0	581.0	5.0	*
6. SE MIDS		*	1848.0	418.0	5.0	*
7. SE 82E		*	2070.0	1172.0	5.0	*
8. SE 164E		*	2117.0	1160.0	5.0	*
9. SE 256E		*	2227.0	1195.0	5.0	*
10. SE MIDE		*	2501.0	1345.0	5.0	*
11. SE MIDE		*	2628.0	1473.0	5.0	*
12. NE COR		*	2011.0	1289.0	5.0	*

13. NE 82E	*	2076.0	1287.0	5.0	*
14. NE 164E	*	2159.0	1298.0	5.0	*
15. NE 256E	*	2237.0	1319.0	5.0	*
16. NE MIDE	*	2598.0	1546.0	5.0	*
17. NE MIDE	*	2757.0	1725.0	5.0	*
18. NE 82N	*	2001.0	1352.0	5.0	*
19. NE MIDN	*	1959.0	1799.0	5.0	*
20. NE MIDN	*	1977.0	2062.0	5.0	*

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JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.8	.6	.6	.3	.3	.3	.8	.5	.3	.6	.5	.1	.0	.0	.0	.0	.1	.3	.0
5.	*	.5	.4	.5	.2	.2	.3	.8	.4	.4	.5	.6	.0	.0	.0	.0	.0	.0	.2	.0
10.	*	.6	.4	.3	.3	.1	.2	.8	.4	.4	.5	.7	.0	.0	.0	.0	.0	.0	.1	.0
15.	*	.6	.4	.3	.3	.1	.2	.7	.3	.4	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.7	.4	.3	.2	.0	.1	.7	.3	.4	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.7	.4	.2	.2	.0	.0	.6	.3	.4	.7	.6	.0	.0	.0	.0	.1	.0	.0	.0
30.	*	.7	.4	.2	.0	.0	.0	.6	.3	.4	.6	.6	.0	.0	.0	.0	.1	.0	.0	.0
35.	*	.7	.4	.2	.0	.0	.0	.7	.3	.5	.5	.6	.0	.0	.0	.0	.2	.1	.0	.0
40.	*	.7	.4	.1	.0	.0	.0	.7	.4	.4	.5	.5	.0	.0	.0	.1	.4	.1	.0	.0
45.	*	.7	.4	.1	.0	.0	.0	.6	.3	.5	.5	.3	.0	.0	.0	.1	.4	.1	.0	.0
50.	*	.8	.3	.1	.0	.0	.0	.4	.3	.4	.4	.3	.0	.0	.1	.1	.5	.2	.0	.0
55.	*	.7	.2	.0	.0	.0	.0	.4	.2	.4	.3	.2	.0	.0	.1	.3	.6	.2	.0	.0
60.	*	.6	.1	.0	.0	.0	.0	.4	.2	.4	.2	.1	.0	.1	.1	.3	.6	.3	.0	.0
65.	*	.6	.1	.0	.0	.0	.0	.4	.2	.1	.1	.1	.0	.2	.3	.3	.7	.3	.0	.0
70.	*	.6	.0	.0	.0	.0	.0	.3	.2	.1	.0	.0	.1	.2	.3	.4	.6	.3	.0	.0
75.	*	.5	.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.2	.3	.4	.4	.6	.4	.0	.0
80.	*	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3	.4	.5	.5	.6	.5	.0	.0	.0
85.	*	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.4	.4	.5	.6	.5	.5	.1	.0	.0
90.	*	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.5	.5	.4	.6	.5	.5	.1	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6	.5	.6	.5	.5	.1	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6	.5	.5	.5	.4	.1	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.6	.5	.5	.4	.4	.1	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.7	.5	.5	.4	.4	.2	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.8	.5	.5	.4	.4	.3	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.9	.4	.5	.4	.4	.3	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.4	.5	.4	.4	.3	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.4	.4	.4	.4	.3	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.5	.4	.4	.4	.4	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.9	.5	.4	.4	.4	.5	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.9	.5	.4	.4	.4	.5	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	.5	.4	.4	.4	.5	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.4	.4	.4	.4	.5	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.1	.4	.5	.4	.4	.5	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.5	.5	.5	.5	.5	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.5	.4	.5	.5	.4	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.2	.4	.4	.5	.5	.4	.1	.0
180.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	.4	.3	.4	.5	.5	.3	.3
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.1	.5	.4	.5	.5	.6	.3	.5
190.	*	.4	.0	.2	.2	.0	.1	.0	.0	.0	.0	.9	1.1	.5	.4	.5	.5	.5	.5	.6
195.	*	.6	.3	.3	.2	.1	.1	.0	.0	.0	.0	.8	1.3	.5	.4	.5	.5	.6	.5	.7
200.	*	.7	.3	.3	.3	.2	.2	.2	.0	.0	.1	.8	1.3	.5	.5	.5	.6	.6	.6	.7
205.	*	.9	.4	.4	.4	.2	.2	.2	.2	.0	.1	.9	1.3	.6	.5	.5	.6	.7	.6	.9

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JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	1.1	.5	.5	.4	.3	.2	.2	.1	.0	.1	1.0	1.4	.5	.6	.5	.5	.6	.6	.9
215.	*	1.2	.5	.5	.5	.3	.3	.3	.2	.1	.0	1.0	1.5	.9	.7	.5	.5	.7	.6	.8
220.	*	1.2	.4	.5	.5	.3	.3	.3	.2	.1	.1	.2	.9	1.6	.9	.8	.4	.4	.7	.8
225.	*	1.2	.4	.4	.5	.4	.3	.4	.2	.2	.1	.5	.9	1.7	1.1	.8	.4	.3	.8	.7
230.	*	1.3	.4	.4	.5	.5	.5	.4	.2	.2	.3	.6	1.0	1.6	1.1	.9	.5	.3	.8	.6
235.	*	1.3	.4	.3	.4	.5	.5	.5	.2	.2	.5	.9	1.0	1.5	1.2	.9	.5	.2	.8	.5
240.	*	1.3	.5	.4	.4	.6	.5	.5	.3	.2	.5	1.0	.9	1.3	1.4	.9	.4	.2	.8	.6
245.	*	1.3	.5	.4	.5	.5	.5	.5	.3	.3	.6	.9	.9	1.2	1.3	1.0	.1	.1	.7	.5
250.	*	1.1	.5	.4	.5	.4	.6	.5	.3	.3	.6	.8	1.0	1.2	1.2	1.0	.1	.0	.7	.6
255.	*	1.1	.5	.4	.5	.5	.6	.6	.4	.3	.8	.8	.7	1.1	1.1	1.0	.1	.0	.7	.6
260.	*	1.0	.6	.4	.5	.5	.6	.7	.5	.6	.7	.7	.8	1.1	1.1	.7	.1	.0	.5	.6
265.	*	1.1	.6	.5	.5	.5	.6	.7	.6	.9	.8	.6	.9	1.0	1.0	.6	.1	.0	.6	.5
270.	*	1.1	.8	.5	.5	.5	.6	.8	.8	.9	.5	.6	.8	1.0	.7	.6	.1	.0	.6	.5
275.	*	1.2	1.0	.6	.5	.5	.6	.9	.7	.8	.6	.6	.6	.5	.6	.5	.0	.0	.5	.6
280.	*	1.2	1.1	.6	.5	.5	.6	.9	.7	1.1	.7	.5	.5	.4	.3	.0	.1	.4	.6	.4
285.	*	1.1	1.2	.6	.6	.6	.6	.7	.7	1.0	.6	.5	.5	.3	.3	.2	.1	.1	.4	.6
290.	*	1.3	1.2	.7	.6	.6	.6	.8	.8	.9	.5	.6	.4	.3	.2	.2	.1	.0	.4	.6
295.	*	1.1	1.3	.6	.5	.5	.6	1.0	.8	.8	.5	.6	.4	.2	.2	.2	.1	.0	.4	.6
300.	*	1.2	1.5	.6	.5	.5	.6	.9	.6	.8	.5	.6	.4	.2	.2	.2	.1	.0	.4	.6

305.	*	1.0	1.6	.7	.5	.5	.6	.7	.7	.8	.5	.5	.4	.2	.3	.2	.0	.0	.4	.6	.1
310.	*	.9	1.6	.7	.6	.6	.6	.7	.7	.8	.5	.5	.5	.3	.2	.2	.0	.0	.5	.5	.1
315.	*	.8	1.7	.7	.7	.6	.6	.8	.8	.7	.4	.5	.5	.2	.2	.2	.0	.0	.5	.5	.0
320.	*	.9	1.6	.7	.7	.6	.6	1.0	.8	.6	.4	.5	.4	.2	.2	.2	.0	.0	.4	.5	.0
325.	*	.9	1.7	.7	.6	.6	.7	.8	.8	.6	.4	.5	.4	.2	.3	.2	.0	.0	.4	.5	.0
330.	*	.8	1.4	.8	.8	.6	.7	.9	.8	.7	.4	.5	.4	.3	.2	.1	.0	.0	.4	.5	.0
335.	*	.8	1.3	.9	.7	.6	.6	.9	.8	.5	.4	.5	.5	.3	.1	.1	.0	.0	.4	.5	.0
340.	*	.8	1.2	.8	.6	.6	.7	1.0	.8	.5	.4	.5	.4	.2	.1	.0	.0	.0	.4	.5	.0
345.	*	.8	1.0	.8	.6	.6	.6	1.0	.8	.4	.4	.5	.3	.1	.1	.0	.0	.0	.3	.5	.0
350.	*	.7	.9	.6	.6	.3	.6	.9	.6	.4	.4	.5	.3	.1	.0	.0	.0	.0	.3	.4	.0
355.	*	.8	.9	.5	.4	.4	.5	.8	.6	.4	.5	.5	.1	.1	.0	.0	.0	.0	.1	.3	.0
360.	*	.8	.6	.6	.3	.3	.3	.8	.5	.3	.6	.5	.1	.0	.0	.0	.0	.0	.1	.3	.0
-----																					
MAX	*	1.3	1.7	.9	.8	.6	.7	1.0	.8	1.1	.8	1.0	1.1	1.7	1.4	1.0	.7	.6	.8	.7	.9
DEGR.	*	290	315	335	330	240	325	295	290	280	255	240	120	225	240	245	65	200	240	225	205

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 225 DEGREES FROM REC13.  
 THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 315 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.40 PPM AT 240 DEGREES FROM REC14.

S14 MD410&295NB				60.0321.0.0000.000200.30480000	1	1
SE COR	2001.	1166.	5.0			
SE 82S	1995.	1101.	5.0			
SE 164S	1987.	1019.	5.0			
SE 256S	1973.	935.	5.0			
SE MIDS	1900.	581.	5.0			
SE MIDS	1848.	418.	5.0			
SE 82E	2070.	1172.	5.0			
SE 164E	2117.	1160.	5.0			
SE 256E	2227.	1195.	5.0			
SE MIDE	2501.	1345.	5.0			
SE MIDE	2628.	1473.	5.0			
NE COR	2011.	1289.	5.0			
NE 82E	2076.	1287.	5.0			
NE 164E	2159.	1298.	5.0			
NE 256E	2237.	1319.	5.0			
NE MIDE	2598.	1546.	5.0			
NE MIDE	2757.	1725.	5.0			
NE 82N	2001.	1352.	5.0			
NE MIDN	1959.	1799.	5.0			
NE MIDN	1977.	2062.	5.0			
S14 MD410&295NB	NB15AM	44	1	0		
1						
EB	410SR	AG	1424.	1185.	426.	1149.
2						
EB	410SR	AG	1382.	1184.	1049.	1171.
90	42		2.0	1360	37.8	1667 1 3
1						
EB	410NR	AG	1978.	1203.	1427.	1193.
2						
EB	410NR	AG	1925.	1202.	1741.	1199.
90	18		2.0	1280	37.8	1770 1 3
1						
EBDP	410NR	AG	2842.	1738.	2512.	1380.
1						
EBDP	410NR	AG	2512.	1380.	2360.	1282.
1						
EBDP	410NR	AG	2360.	1282.	2239.	1232.
1						
EBDP	410NR	AG	2239.	1232.	2111.	1204.
1						
EBDP	410NR	AG	2111.	1204.	1974.	1193.
1						
WB	410NR	AG	1986.	1244.	2167.	1260.
2						
WB	410NR	AG	2021.	1247.	2144.	1258.
90	39		2.0	1925	37.8	1667 1 3
1						
WB	410NR	AG	2167.	1260.	2371.	1329.
1						
WB	410NR	AG	2371.	1329.	2507.	1424.
1						
WB	410NR	AG	2508.	1423.	2596.	1498.
1						
WB	410NR	AG	2596.	1498.	2828.	1760.
1						
WB	410SR	AG	1425.	1230.	1985.	1240.
2						
WB	410SR	AG	1465.	1231.	1654.	1234.
90	24		2.0	1975	37.8	1770 1 3
1						
WBDP	410SR	AG	425.	1195.	1422.	1234.
1						
SB	410SR	AG	1427.	1213.	1423.	1441.
2						
SB	410SR	AG	1426.	1279.	1424.	1396.
90	64		2.0	370	37.8	1672 1 3
1						
SB	410SR	AG	1423.	1441.	1436.	1576.
1						
SB	410SR	AG	1438.	1577.	1506.	1865.
1						
SB	410SR	AG	1506.	1865.	1636.	2194.
1						
SBDP	410SR	AG	1509.	217.	1516.	423.
1						
SBDP	410SR	AG	1516.	423.	1494.	658.
1						
SBDP	410SR	AG	1494.	658.	1443.	935.
1						
SBDP	410SR	AG	1443.	935.	1429.	1211.
1						
SB	I295	AG	1535.	222.	1561.	511.
1						
SB	I295	AG	1562.	512.	1548.	1370.
1						
SB	I295	AG	1549.	1371.	1571.	1711.
1						
SB	I295	AG	1571.	1711.	1663.	2184.
1						
NB	295NR	AG	1970.	1229.	1959.	1008.
2						
NB	410NR	AG	1967.	1160.	1960.	1019.
90	71		2.0	385	37.8	1672 1 3
1						

NB	295NR	AG	1959.	1008.	1926.	828.	385	3.5	0.	56	35
1											
NBALL	295NR	AG	1927.	825.	1864.	545.	385	3.5	0.	44	35
1											
NBALL	295NR	AG	1864.	545.	1783.	278.	385	3.5	0.	44	35
1											
NBDP	295NR	AG	1955.	2063.	1935.	1845.	550	3.5	0.	32	35
1											
NBDP	295NR	AG	1935.	1845.	1942.	1667.	550	3.5	0.	32	35
1											
NBDP	295NR	AG	1942.	1667.	1967.	1451.	550	3.5	0.	32	35
1											
NBDP	295NR	AG	1967.	1451.	1990.	1231.	550	3.5	0.	32	35
1											
NB	I295	AG	1929.	2078.	1865.	1711.	2750	5.3	0.	44	57
1											
NB	I295	AG	1865.	1711.	1834.	1289.	2750	5.3	0.	44	55
1											
NB	I295	AG	1834.	1289.	1787.	597.	2750	5.3	0.	44	55
1											
NB	I295	AG	1787.	597.	1731.	261.	2750	5.3	0.	44	55
1.0	04	1000	0Y	5	0	72					

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB NB15AM

DATE: 10/07/2007 TIME: 22:44:46.66

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EB	410SR	*	1424.0	1185.0	426.0	1149.0	*	999.	268. AG	1360.	3.6	.0	56.0	
2. EB	410SR	*	1382.0	1184.0	1278.0	1179.9	*	104.	268. AG	142.	100.0	.0	36.0	.56 5.3
3. EB	410NR	*	1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1280.	3.6	.0	56.0	
4. EB	410NR	*	1925.0	1202.0	1883.1	1201.3	*	42.	269. AG	61.	100.0	.0	36.0	.32 2.1
5. EBDP	410NR	*	2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	1065.	3.6	.0	44.0	
6. EBDP	410NR	*	2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	1065.	3.6	.0	44.0	
7. EBDP	410NR	*	2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	1065.	3.6	.0	44.0	
8. EBDP	410NR	*	2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	1065.	3.6	.0	44.0	
9. EBDP	410NR	*	2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	1065.	3.6	.0	44.0	
10. WB	410NR	*	1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	1925.	3.7	.0	68.0	
11. WB	410NR	*	2021.0	1247.0	2123.2	1256.1	*	103.	85. AG	176.	100.0	.0	48.0	.55 5.2
12. WB	410NR	*	2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	1925.	3.7	.0	68.0	
13. WB	410NR	*	2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	1925.	3.7	.0	56.0	
14. WB	410NR	*	2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	1925.	3.7	.0	44.0	
15. WB	410NR	*	2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	1925.	3.7	.0	44.0	
16. WB	410SR	*	1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	1975.	3.7	.0	56.0	
17. WB	410SR	*	1465.0	1231.0	1551.3	1232.4	*	86.	89. AG	81.	100.0	.0	36.0	.54 4.4
18. WBDP	410SR	*	425.0	1195.0	1422.0	1234.0	*	998.	88. AG	1975.	3.7	.0	44.0	
19. SB	410SR	*	1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	370.	3.5	.0	56.0	
20. SB	410SR	*	1426.0	1279.0	1425.3	1322.0	*	43.	359. AG	216.	100.0	.0	36.0	.30 2.2
21. SB	410SR	*	1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	370.	3.5	.0	56.0	
22. SB	410SR	*	1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	370.	3.5	.0	44.0	
23. SB	410SR	*	1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	370.	3.5	.0	12.0	
24. SBDP	410SR	*	1509.0	217.0	1516.0	423.0	*	206.	2. AG	450.	3.5	.0	32.0	
25. SBDP	410SR	*	1516.0	423.0	1494.0	658.0	*	236.	355. AG	450.	3.5	.0	32.0	
26. SBDP	410SR	*	1494.0	658.0	1443.0	935.0	*	282.	350. AG	450.	3.5	.0	32.0	
27. SBDP	410SR	*	1443.0	935.0	1429.0	1211.0	*	276.	357. AG	450.	3.5	.0	32.0	
28. SB	I295	*	1535.0	222.0	1561.0	511.0	*	290.	5. AG	4150.	4.6	.0	44.0	
29. SB	I295	*	1562.0	512.0	1548.0	1370.0	*	858.	359. AG	4150.	4.6	.0	44.0	
30. SB	I295	*	1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	4150.	4.6	.0	44.0	
31. SB	I295	*	1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	4150.	4.6	.0	44.0	
32. NB	295NR	*	1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	385.	3.5	.0	56.0	
33. NB	410NR	*	1967.0	1160.0	1964.5	1110.4	*	50.	183. AG	240.	100.0	.0	36.0	.46 2.5
34. NB	295NR	*	1959.0	1008.0	1926.0	828.0	*	183.	190. AG	385.	3.5	.0	56.0	
35. NBALL	295NR	*	1927.0	825.0	1864.0	545.0	*	287.	193. AG	385.	3.5	.0	44.0	
36. NBALL	295NR	*	1864.0	545.0	1783.0	278.0	*	279.	197. AG	385.	3.5	.0	44.0	
37. NBDP	295NR	*	1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	550.	3.5	.0	32.0	
38. NBDP	295NR	*	1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	550.	3.5	.0	32.0	
39. NBDP	295NR	*	1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	550.	3.5	.0	32.0	
40. NBDP	295NR	*	1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	550.	3.5	.0	32.0	
41. NB	I295	*	1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	2750.	5.3	.0	44.0	
42. NB	I295	*	1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	2750.	5.3	.0	44.0	
43. NB	I295	*	1834.0	1289.0	1787.0	597.0	*	694.	184. AG	2750.	5.3	.0	44.0	
44. NB	I295	*	1787.0	597.0	1731.0	261.0	*	341.	189. AG	2750.	5.3	.0	44.0	

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB NB15AM

DATE: 10/07/2007 TIME: 22:44:46.66

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EB	410SR	*	90	42	2.0	1360	1667	37.80	1	3
4. EB	410NR	*	90	18	2.0	1280	1770	37.80	1	3
11. WB	410NR	*	90	39	2.0	1925	1667	37.80	1	3
17. WB	410SR	*	90	24	2.0	1975	1770	37.80	1	3
20. SB	410SR	*	90	64	2.0	370	1672	37.80	1	3
33. NB	410NR	*	90	71	2.0	385	1672	37.80	1	3

## RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	2001.0	1166.0	5.0	*
2. SE 82S		*	1995.0	1101.0	5.0	*
3. SE 164S		*	1987.0	1019.0	5.0	*
4. SE 256S		*	1973.0	935.0	5.0	*
5. SE MIDS		*	1900.0	581.0	5.0	*
6. SE MIDS		*	1848.0	418.0	5.0	*
7. SE 82E		*	2070.0	1172.0	5.0	*
8. SE 164E		*	2117.0	1160.0	5.0	*
9. SE 256E		*	2227.0	1195.0	5.0	*
10. SE MIDE		*	2501.0	1345.0	5.0	*
11. SE MIDE		*	2628.0	1473.0	5.0	*
12. NE COR		*	2011.0	1289.0	5.0	*



13. NE 82E	*	2076.0	1287.0	5.0	*
14. NE 164E	*	2159.0	1298.0	5.0	*
15. NE 256E	*	2237.0	1319.0	5.0	*
16. NE MIDE	*	2598.0	1546.0	5.0	*
17. NE MIDE	*	2757.0	1725.0	5.0	*
18. NE 82N	*	2001.0	1352.0	5.0	*
19. NE MIDN	*	1959.0	1799.0	5.0	*
20. NE MIDN	*	1977.0	2062.0	5.0	*

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JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB NB15AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.3	.1	.1	.2	.3	.5	.4	.2	.3	.4	.0	.0	.0	.0	.0	.1	.1	.0
5.	*	.3	.3	.2	.1	.2	.2	.5	.3	.2	.4	.4	.0	.0	.0	.0	.0	.0	.1	.0
10.	*	.3	.3	.2	.1	.0	.2	.5	.3	.2	.4	.4	.0	.0	.0	.0	.0	.0	.1	.0
15.	*	.4	.3	.3	.1	.0	.1	.5	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.3	.2	.1	.0	.0	.4	.2	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.4	.3	.2	.0	.0	.0	.4	.3	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.4	.3	.1	.0	.0	.0	.4	.3	.2	.4	.4	.0	.0	.0	.1	.0	.0	.0	.0
35.	*	.4	.2	.1	.0	.0	.0	.3	.2	.2	.4	.4	.0	.0	.0	.1	.0	.0	.0	.0
40.	*	.4	.2	.0	.0	.0	.0	.4	.2	.2	.4	.3	.0	.0	.0	.2	.1	.0	.0	.0
45.	*	.4	.2	.0	.0	.0	.0	.5	.2	.2	.3	.2	.0	.0	.0	.2	.1	.0	.0	.0
50.	*	.4	.1	.0	.0	.0	.0	.5	.2	.3	.2	.2	.0	.0	.0	.1	.4	.1	.0	.0
55.	*	.5	.1	.0	.0	.0	.0	.4	.2	.2	.1	.1	.0	.0	.1	.1	.4	.1	.0	.0
60.	*	.4	.0	.0	.0	.0	.0	.3	.2	.1	.1	.1	.0	.0	.1	.1	.4	.2	.0	.0
65.	*	.4	.0	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.1	.2	.4	.2	.0	.0	.0
70.	*	.4	.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.2	.2	.3	.4	.2	.0	.0
75.	*	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	.2	.3	.4	.2	.0	.0	.0
80.	*	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	.2	.2	.3	.4	.2	.0	.0	.0
85.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2	.3	.3	.3	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	.3	.3	.3	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.3	.3	.3	.1	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.3	.3	.3	.3	.1	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.3	.3	.3	.1	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.3	.3	.3	.1	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.2	.2	.3	.3	.3	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.2	.3	.3	.3	.2	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.2	.3	.3	.3	.2	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.2	.3	.3	.3	.2	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.2	.3	.3	.3	.3	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.2	.3	.3	.3	.3	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.3	.3	.3	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.3	.3	.3	.3	.3	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.4	.3	.3	.3	.3	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.3	.3	.3	.3	.3	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.2	.3	.3	.2	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.2	.4	.3	.2	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.3	.2	.4	.3	.2	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.3	.2	.4	.4	.3	.2	.2
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.3	.2	.3	.4	.3	.3	.3
190.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.8	.3	.2	.3	.4	.4	.3	.4
195.	*	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.4	.8	.2	.2	.3	.4	.4	.5	.5
200.	*	.4	.1	.2	.1	.1	.1	.0	.0	.0	.0	.4	.9	.3	.3	.3	.4	.4	.5	.6
205.	*	.4	.1	.2	.2	.1	.2	.1	.0	.0	.0	.4	1.0	.3	.3	.4	.4	.4	.4	.6

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JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB NB15AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.5	.1	.1	.3	.1	.2	.1	.1	.0	.0	.1	.7	1.0	.4	.3	.4	.4	.5	.7
215.	*	.6	.2	.1	.3	.2	.2	.1	.1	.0	.0	.1	.8	1.1	.5	.4	.3	.3	.6	.6
220.	*	.8	.2	.2	.3	.2	.3	.2	.1	.1	.0	.1	.7	1.0	.6	.4	.2	.3	.6	.6
225.	*	.8	.3	.2	.3	.3	.3	.2	.1	.1	.1	.7	.9	.7	.6	.2	.1	.6	.4	.7
230.	*	.7	.2	.2	.4	.3	.3	.2	.2	.1	.4	.7	1.0	.8	.6	.2	.1	.5	.5	.6
235.	*	.7	.2	.2	.2	.3	.4	.3	.2	.2	.1	.4	.7	1.0	.7	.6	.1	.1	.5	.6
240.	*	.7	.2	.2	.2	.3	.4	.3	.2	.2	.2	.4	.7	.9	.7	.6	.0	.0	.5	.5
245.	*	.7	.2	.2	.2	.3	.4	.4	.3	.2	.4	.4	.6	.9	.8	.6	.0	.0	.6	.5
250.	*	.6	.2	.2	.2	.3	.3	.4	.3	.2	.5	.5	.6	.8	.9	.6	.0	.0	.5	.5
255.	*	.6	.2	.2	.2	.3	.3	.4	.3	.2	.5	.5	.6	.9	.9	.6	.0	.0	.5	.4
260.	*	.6	.3	.2	.2	.4	.3	.5	.3	.2	.4	.4	.6	.8	.8	.6	.0	.0	.4	.4
265.	*	.6	.3	.2	.2	.2	.3	.6	.4	.4	.4	.4	.6	.6	.6	.5	.0	.0	.3	.4
270.	*	.6	.3	.2	.2	.3	.3	.6	.5	.6	.4	.3	.5	.6	.4	.2	.0	.0	.3	.4
275.	*	.5	.4	.2	.2	.3	.3	.6	.5	.6	.4	.3	.5	.4	.4	.1	.0	.0	.3	.3
280.	*	.6	.6	.2	.2	.3	.3	.5	.6	.4	.2	.3	.3	.3	.2	.1	.0	.0	.3	.3
285.	*	.6	.7	.2	.2	.3	.4	.5	.5	.4	.3	.3	.3	.2	.2	.2	.0	.0	.3	.3
290.	*	.6	.8	.2	.2	.2	.4	.4	.4	.5	.3	.2	.3	.2	.2	.2	.0	.0	.3	.3
295.	*	.4	.8	.3	.2	.3	.3	.6	.2	.5	.3	.2	.3	.2	.2	.1	.0	.0	.3	.1
300.	*	.5	.9	.3	.2	.3	.3	.5	.6	.4	.3	.3	.3	.2	.1	.1	.0	.0	.3	.1

305.	*	.7	.9	.3	.2	.3	.3	.5	.6	.4	.2	.3	.3	.2	.1	.1	.0	.0	.3	.4	.1
310.	*	.6	.9	.2	.2	.3	.3	.6	.5	.4	.2	.3	.3	.1	.1	.1	.0	.0	.2	.4	.0
315.	*	.5	1.1	.3	.3	.3	.3	.5	.5	.5	.2	.3	.2	.2	.2	.1	.0	.0	.4	.4	.0
320.	*	.5	1.0	.4	.3	.3	.3	.4	.5	.4	.2	.2	.3	.2	.2	.0	.0	.0	.3	.5	.0
325.	*	.4	1.0	.6	.3	.3	.3	.5	.6	.2	.2	.2	.3	.2	.2	.0	.0	.0	.3	.4	.0
330.	*	.5	.8	.5	.3	.3	.5	.6	.5	.2	.2	.3	.3	.2	.1	.1	.0	.0	.3	.4	.0
335.	*	.5	.8	.5	.2	.4	.5	.5	.5	.2	.2	.3	.3	.2	.1	.0	.0	.0	.3	.3	.0
340.	*	.4	.7	.4	.2	.4	.4	.5	.4	.2	.2	.3	.3	.1	.1	.0	.0	.0	.3	.3	.0
345.	*	.4	.5	.5	.3	.3	.5	.5	.4	.2	.2	.3	.3	.1	.0	.0	.0	.0	.2	.2	.0
350.	*	.4	.5	.4	.2	.3	.4	.5	.3	.2	.2	.3	.1	.1	.0	.0	.0	.0	.1	.2	.0
355.	*	.2	.3	.4	.2	.2	.4	.5	.4	.2	.2	.3	.1	.0	.0	.0	.0	.0	.1	.2	.0
360.	*	.3	.3	.1	.1	.2	.3	.5	.4	.2	.3	.4	.0	.0	.0	.0	.0	.0	.1	.1	.0
MAX	*	.8	1.1	.6	.4	.4	.5	.6	.6	.6	.5	.5	.8	1.1	.9	.6	.4	.4	.6	.5	.7
DEGR.	*	220	315	325	230	260	330	265	280	270	250	250	215	215	250	225	50	180	215	195	210

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 315 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 215 DEGREES FROM REC13.  
 THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 250 DEGREES FROM REC14.

S14	MD410&295NB					60.0321.0.0000.000200.30480000					1	1
SE	COR			2001.		1166.		5.0				
SE	82S			1995.		1101.		5.0				
SE	164S			1987.		1019.		5.0				
SE	256S			1973.		935.		5.0				
SE	MIDS			1900.		581.		5.0				
SE	MIDS			1848.		418.		5.0				
SE	82E			2070.		1172.		5.0				
SE	164E			2117.		1160.		5.0				
SE	256E			2227.		1195.		5.0				
SE	MIDE			2501.		1345.		5.0				
SE	MIDE			2628.		1473.		5.0				
NE	COR			2011.		1289.		5.0				
NE	82E			2076.		1287.		5.0				
NE	164E			2159.		1298.		5.0				
NE	256E			2237.		1319.		5.0				
NE	MIDE			2598.		1546.		5.0				
NE	MIDE			2757.		1725.		5.0				
NE	82N			2001.		1352.		5.0				
NE	MIDN			1959.		1799.		5.0				
NE	MIDN			1977.		2062.		5.0				
S14	MD410&295NB	NB15PM				44	1	0				
EB	410SR	AG	1424.	1185.	426.	1149.		2115	3.6	0.	56	24
EB	410SR	AG	1382.	1184.	1049.	1171.		0.	36	3		
	90	45	2.0	2115	37.8	1667	1	3				
EB	410NR	AG	1978.	1203.	1427.	1193.		1965	3.6	0.	56	25
EB	410NR	AG	1925.	1202.	1741.	1199.		0.	36	3		
	90	22	2.0	1965	37.8	1770	1	3				
EBDP	410NR	AG	2842.	1738.	2512.	1380.		2030	3.6	0.	44	25
EBDP	410NR	AG	2512.	1380.	2360.	1282.		2030	3.6	0.	44	25
EBDP	410NR	AG	2360.	1282.	2239.	1232.		2030	3.6	0.	44	25
EBDP	410NR	AG	2239.	1232.	2111.	1204.		2030	3.6	0.	44	25
EBDP	410NR	AG	2111.	1204.	1974.	1193.		2030	3.6	0.	44	25
WB	410NR	AG	1986.	1244.	2167.	1260.		1780	3.8	0.	68	22
WB	410NR	AG	2021.	1247.	2144.	1258.		0.	48	4		
	90	35	2.0	1780	37.8	1667	1	3				
WB	410NR	AG	2167.	1260.	2371.	1329.		1780	3.8	0.	68	22
WB	410NR	AG	2371.	1329.	2507.	1424.		1780	3.8	0.	56	22
WB	410NR	AG	2508.	1423.	2596.	1498.		1780	3.8	0.	44	22
WB	410NR	AG	2596.	1498.	2828.	1760.		1780	3.8	0.	44	22
WB	410SR	AG	1425.	1230.	1985.	1240.		1965	3.8	0.	56	21
WB	410SR	AG	1465.	1231.	1654.	1234.		0.	36	3		
	90	27	2.0	1965	37.8	1770	1	3				
WB	410SR	AG	425.	1195.	1422.	1234.		2010	3.8	0.	44	22
SB	410SR	AG	1427.	1213.	1423.	1441.		550	3.5	0.	56	35
SB	410SR	AG	1426.	1279.	1424.	1396.		0.	36	3		
	90	62	2.0	550	37.8	1672	1	3				

NB		295NR	AG	1959.	1008.	1926.	828.	575	3.5	0.	56	35
1												
NBALL		295NR	AG	1927.	825.	1864.	545.	575	3.5	0.	44	35
1												
NBALL		295NR	AG	1864.	545.	1783.	278.	575	3.5	0.	44	35
1												
NBDP		295NR	AG	1955.	2063.	1935.	1845.	325	3.5	0.	32	35
1												
NBDP		295NR	AG	1935.	1845.	1942.	1667.	325	3.5	0.	32	35
1												
NBDP		295NR	AG	1942.	1667.	1967.	1451.	325	3.5	0.	32	35
1												
NBDP		295NR	AG	1967.	1451.	1990.	1231.	325	3.5	0.	32	35
1												
NB		I295	AG	1929.	2078.	1865.	1711.	4350	4.3	0.	44	57
1												
NB		I295	AG	1865.	1711.	1834.	1289.	4350	4.3	0.	44	55
1												
NB		I295	AG	1834.	1289.	1787.	597.	4350	4.3	0.	44	55
1												
NB		I295	AG	1787.	597.	1731.	261.	4350	4.3	0.	44	55
1.0	04	1000	0Y	5	0	72						

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB NB15PM

DATE: 10/07/2007 TIME: 22:50:51.74

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EB	410SR	*	1424.0	1185.0	426.0	1149.0	*	999.	268. AG	2115.	3.6	.0	56.0	
2. EB	410SR	*	1382.0	1184.0	1151.2	1175.0	*	231.	268. AG	152.	100.0	.0	36.0	.93 11.7
3. EB	410NR	*	1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1965.	3.6	.0	56.0	
4. EB	410NR	*	1925.0	1202.0	1846.2	1200.7	*	79.	269. AG	74.	100.0	.0	36.0	.52 4.0
5. EBDP	410NR	*	2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	2030.	3.6	.0	44.0	
6. EBDP	410NR	*	2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	2030.	3.6	.0	44.0	
7. EBDP	410NR	*	2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	2030.	3.6	.0	44.0	
8. EBDP	410NR	*	2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	2030.	3.6	.0	44.0	
9. EBDP	410NR	*	2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	2030.	3.6	.0	44.0	
10. WB	410NR	*	1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	1780.	3.8	.0	68.0	
11. WB	410NR	*	2021.0	1247.0	2105.8	1254.6	*	85.	85. AG	158.	100.0	.0	48.0	.47 4.3
12. WB	410NR	*	2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	1780.	3.8	.0	68.0	
13. WB	410NR	*	2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	1780.	3.8	.0	56.0	
14. WB	410NR	*	2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	1780.	3.8	.0	44.0	
15. WB	410NR	*	2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	1780.	3.8	.0	44.0	
16. WB	410SR	*	1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	1965.	3.8	.0	56.0	
17. WB	410SR	*	1465.0	1231.0	1561.7	1232.5	*	97.	89. AG	91.	100.0	.0	36.0	.56 4.9
18. WBDP	410SR	*	425.0	1195.0	1422.0	1234.0	*	998.	88. AG	2010.	3.8	.0	44.0	
19. SB	410SR	*	1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	550.	3.5	.0	56.0	
20. SB	410SR	*	1426.0	1279.0	1424.9	1341.0	*	62.	359. AG	210.	100.0	.0	36.0	.41 3.2
21. SB	410SR	*	1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	550.	3.5	.0	56.0	
22. SB	410SR	*	1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	550.	3.5	.0	44.0	
23. SB	410SR	*	1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	550.	3.5	.0	12.0	
24. SBDP	410SR	*	1509.0	217.0	1516.0	423.0	*	206.	2. AG	650.	3.5	.0	32.0	
25. SBDP	410SR	*	1516.0	423.0	1494.0	658.0	*	236.	355. AG	650.	3.5	.0	32.0	
26. SBDP	410SR	*	1494.0	658.0	1443.0	935.0	*	282.	350. AG	650.	3.5	.0	32.0	
27. SBDP	410SR	*	1443.0	935.0	1429.0	1211.0	*	276.	357. AG	650.	3.5	.0	32.0	
28. SB	I295	*	1535.0	222.0	1561.0	511.0	*	290.	5. AG	4000.	4.8	.0	44.0	
29. SB	I295	*	1562.0	512.0	1548.0	1370.0	*	858.	359. AG	4000.	4.8	.0	44.0	
30. SB	I295	*	1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	4000.	4.8	.0	44.0	
31. SB	I295	*	1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	4000.	4.8	.0	44.0	
32. NB	295NR	*	1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	575.	3.5	.0	56.0	
33. NB	410NR	*	1967.0	1160.0	1963.5	1090.1	*	70.	183. AG	226.	100.0	.0	36.0	.54 3.6
34. NB	295NR	*	1959.0	1008.0	1926.0	828.0	*	183.	190. AG	575.	3.5	.0	56.0	
35. NBALL	295NR	*	1927.0	825.0	1864.0	545.0	*	287.	193. AG	575.	3.5	.0	44.0	
36. NBALL	295NR	*	1864.0	545.0	1783.0	278.0	*	279.	197. AG	575.	3.5	.0	44.0	
37. NBDP	295NR	*	1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	325.	3.5	.0	32.0	
38. NBDP	295NR	*	1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	325.	3.5	.0	32.0	
39. NBDP	295NR	*	1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	325.	3.5	.0	32.0	
40. NBDP	295NR	*	1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	325.	3.5	.0	32.0	
41. NB	I295	*	1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	4350.	4.3	.0	44.0	
42. NB	I295	*	1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	4350.	4.3	.0	44.0	
43. NB	I295	*	1834.0	1289.0	1787.0	597.0	*	694.	184. AG	4350.	4.3	.0	44.0	
44. NB	I295	*	1787.0	597.0	1731.0	261.0	*	341.	189. AG	4350.	4.3	.0	44.0	

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB NB15PM

DATE: 10/07/2007 TIME: 22:50:51.74

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EB	410SR	*	90	45	2.0	2115	1667	37.80	1	3
4. EB	410NR	*	90	22	2.0	1965	1770	37.80	1	3
11. WB	410NR	*	90	35	2.0	1780	1667	37.80	1	3
17. WB	410SR	*	90	27	2.0	1965	1770	37.80	1	3
20. SB	410SR	*	90	62	2.0	550	1672	37.80	1	3
33. NB	410NR	*	90	67	2.0	575	1672	37.80	1	3

## RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	2001.0	1166.0	5.0	*
2. SE 82S		*	1995.0	1101.0	5.0	*
3. SE 164S		*	1987.0	1019.0	5.0	*
4. SE 256S		*	1973.0	935.0	5.0	*
5. SE MIDS		*	1900.0	581.0	5.0	*
6. SE MIDS		*	1848.0	418.0	5.0	*
7. SE 82E		*	2070.0	1172.0	5.0	*
8. SE 164E		*	2117.0	1160.0	5.0	*
9. SE 256E		*	2227.0	1195.0	5.0	*
10. SE MIDE		*	2501.0	1345.0	5.0	*
11. SE MIDE		*	2628.0	1473.0	5.0	*
12. NE COR		*	2011.0	1289.0	5.0	*

13. NE 82E	*	2076.0	1287.0	5.0	*
14. NE 164E	*	2159.0	1298.0	5.0	*
15. NE 256E	*	2237.0	1319.0	5.0	*
16. NE MIDE	*	2598.0	1546.0	5.0	*
17. NE MIDE	*	2757.0	1725.0	5.0	*
18. NE 82N	*	2001.0	1352.0	5.0	*
19. NE MIDN	*	1959.0	1799.0	5.0	*
20. NE MIDN	*	1977.0	2062.0	5.0	*

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JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB NB15PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.4	.2	.4	.3	.2	.3	.5	.4	.3	.5	.5	.1	.0	.0	.0	.0	.0	.1	.2	.0
5.	.4	.4	.3	.1	.2	.3	.5	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0
10.	.4	.3	.3	.1	.1	.2	.5	.2	.3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0
15.	.4	.3	.3	.1	.1	.2	.5	.3	.3	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	.5	.3	.2	.0	.0	.1	.5	.3	.3	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	.5	.3	.2	.0	.0	.0	.4	.4	.3	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	.5	.3	.0	.0	.0	.0	.4	.4	.4	.6	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0
35.	.5	.3	.0	.0	.0	.0	.5	.3	.4	.6	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0
40.	.5	.3	.0	.0	.0	.0	.6	.3	.4	.6	.4	.0	.0	.0	.0	.3	.1	.0	.0	.0
45.	.5	.3	.0	.0	.0	.0	.5	.3	.3	.5	.4	.0	.0	.0	.0	.3	.1	.0	.0	.0
50.	.6	.2	.0	.0	.0	.0	.5	.3	.5	.3	.3	.0	.0	.0	.0	.3	.1	.0	.0	.0
55.	.6	.1	.0	.0	.0	.0	.5	.4	.4	.3	.2	.0	.0	.0	.1	.5	.1	.0	.0	.0
60.	.6	.1	.0	.0	.0	.0	.4	.3	.3	.2	.1	.0	.0	.1	.2	.5	.2	.0	.0	.0
65.	.6	.0	.0	.0	.0	.0	.4	.3	.2	.1	.1	.0	.0	.1	.3	.5	.2	.0	.0	.0
70.	.5	.0	.0	.0	.0	.0	.4	.2	.1	.0	.1	.0	.2	.1	.4	.5	.3	.0	.0	.0
75.	.3	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.2	.2	.4	.5	.3	.0	.0	.0
80.	.3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	.2	.2	.4	.4	.3	.0	.0	.0
85.	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.2	.3	.4	.4	.3	.0	.0	.0
90.	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.2	.3	.3	.4	.3	.0	.0	.0
95.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.3	.4	.3	.1	.0	.0
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.3	.3	.4	.3	.1	.0	.0
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.3	.4	.4	.3	.1	.0	.0
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.3	.3	.4	.4	.1	.0	.0
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.3	.3	.4	.4	.1	.0	.0
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.3	.4	.4	.2	.0	.0
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.4	.3	.4	.4	.2	.0	.0
130.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.4	.3	.4	.4	.2	.0	.0
135.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.3	.3	.4	.4	.2	.0	.0
140.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6	.3	.3	.4	.4	.2	.0	.0
145.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.4	.4	.3	.0	.0
150.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.4	.4	.4	.0	.0
155.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	.3	.3	.4	.4	.4	.0	.0
160.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.3	.4	.4	.3	.0	.0
165.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.3	.4	.4	.3	.0	.0
170.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.3	.5	.4	.3	.0	.0
175.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.3	.5	.4	.4	.0	.0
180.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.4	.4	.4	.4	.2	.2
185.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.3	.4	.4	.3	.2	.4
190.	.4	.0	.1	.2	.0	.1	.0	.0	.0	.0	.0	.5	.7	.3	.3	.4	.5	.3	.3	.4
195.	.6	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.4	.8	.3	.3	.4	.5	.4	.4	.6
200.	.6	.3	.3	.3	.2	.2	.1	.0	.0	.0	.1	.6	.9	.3	.3	.4	.5	.5	.5	.6
205.	.6	.3	.3	.3	.2	.2	.2	.1	.0	.0	.1	.6	.9	.4	.3	.3	.5	.4	.4	.7

1

JOB: S14 MD410&amp;295NB

RUN: S14 MD410&amp;295NB NB15PM

PAGE 4

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.8	.3	.3	.3	.3	.2	.1	.1	.0	.0	.1	.7	.9	.6	.4	.4	.5	.5	.5	.7
215.	.9	.5	.3	.5	.3	.3	.1	.1	.1	.1	.2	.7	1.0	.5	.4	.4	.3	.5	.4	.6
220.	.9	.5	.4	.4	.2	.3	.3	.1	.1	.1	.2	.6	1.1	.7	.4	.4	.3	.5	.4	.6
225.	.9	.5	.4	.4	.4	.3	.3	.2	.1	.1	.4	.6	1.2	.7	.6	.2	.2	.5	.5	.7
230.	.9	.5	.4	.4	.5	.4	.3	.2	.2	.3	.6	.7	1.3	.8	.7	.3	.1	.5	.4	.6
235.	.9	.6	.3	.4	.5	.5	.4	.3	.2	.3	.7	.8	.9	.8	.7	.1	.1	.5	.4	.6
240.	.9	.6	.3	.4	.4	.5	.4	.3	.2	.4	.7	.6	.9	.8	.7	.1	.0	.5	.5	.5
245.	.9	.7	.3	.4	.4	.5	.4	.3	.2	.7	.7	.6	.9	.9	.6	.0	.0	.5	.4	.5
250.	.8	.7	.3	.4	.4	.5	.4	.3	.3	.7	.5	.6	.8	.8	.7	.0	.0	.5	.4	.5
255.	.9	.8	.3	.4	.4	.5	.6	.3	.4	.7	.6	.5	.9	.8	.7	.0	.0	.5	.4	.5
260.	.8	.8	.3	.4	.5	.5	.6	.4	.6	.5	.5	.5	.7	.8	.7	.0	.0	.3	.4	.5
265.	.8	.9	.4	.4	.4	.5	.6	.4	.6	.5	.5	.6	.6	.6	.6	.1	.0	.3	.4	.5
270.	.9	.9	.4	.4	.5	.5	.6	.6	.9	.5	.6	.5	.6	.6	.2	.1	.0	.3	.4	.4
275.	.9	1.1	.4	.4	.4	.5	.8	.6	.9	.6	.5	.4	.5	.3	.1	.0	.0	.3	.4	.4
280.	1.0	1.2	.4	.4	.4	.5	.7	.6	.8	.5	.5	.2	.3	.1	.1	.0	.0	.3	.4	.4
285.	1.2	1.2	.4	.4	.5	.6	.6	.5	.7	.5	.3	.2	.2	.2	.2	.0	.0	.3	.4	.3
290.	1.0	1.2	.5	.4	.5	.6	.5	.5	.5	.5	.3	.3	.2	.2	.2	.0	.0	.3	.4	.3
295.	.8	1.2	.6	.4	.4	.5	.7	.6	.5	.4	.3	.3	.2	.2	.1	.0	.0	.3	.4	.2
300.	1.0	1.2	.6	.4	.4	.5	.8	.7	.5	.3	.4	.3	.2	.2	.1	.0	.0	.3	.4	.1

305.	*	.9	1.2	.6	.4	.4	.5	.7	.7	.5	.3	.4	.3	.2	.1	.1	.0	.0	.3	.4	.1
310.	*	.8	1.2	.5	.5	.4	.5	.7	.6	.5	.3	.5	.3	.1	.1	.1	.0	.0	.3	.4	.1
315.	*	.7	1.3	.6	.6	.5	.5	.7	.5	.5	.3	.5	.2	.2	.2	.2	.0	.0	.3	.4	.0
320.	*	.7	1.3	.7	.6	.5	.5	.5	.6	.5	.3	.3	.3	.2	.2	.1	.0	.0	.3	.4	.0
325.	*	.7	1.2	.7	.6	.5	.6	.6	.7	.4	.4	.3	.3	.2	.3	.1	.0	.0	.3	.4	.0
330.	*	.8	.9	.7	.7	.5	.6	.7	.6	.4	.4	.3	.3	.2	.1	.1	.0	.0	.3	.3	.0
335.	*	.7	1.1	.7	.5	.5	.5	.6	.5	.4	.3	.4	.2	.2	.1	.1	.0	.0	.3	.3	.0
340.	*	.7	1.0	.7	.4	.5	.6	.7	.6	.3	.3	.4	.2	.2	.1	.0	.0	.0	.2	.3	.0
345.	*	.6	.7	.6	.4	.4	.5	.7	.6	.3	.3	.5	.2	.1	.1	.0	.0	.0	.2	.3	.0
350.	*	.6	.9	.4	.3	.3	.5	.6	.4	.3	.3	.5	.2	.1	.0	.0	.0	.0	.2	.3	.0
355.	*	.5	.6	.4	.3	.4	.5	.5	.4	.3	.4	.5	.1	.0	.0	.0	.0	.0	.1	.2	.0
360.	*	.4	.2	.4	.3	.2	.3	.5	.4	.3	.5	.5	.1	.0	.0	.0	.0	.0	.1	.2	.0
-----*																					
MAX	*	1.2	1.3	.7	.7	.5	.6	.8	.7	.9	.7	.7	.8	1.3	.9	.7	.5	.5	.5	.5	.7
DEGR.	*	285	315	325	330	230	285	275	300	270	245	235	235	230	245	230	55	190	200	200	205

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 315 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 230 DEGREES FROM REC13.  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 285 DEGREES FROM REC1 .

S14 MD410&NB 295 LBRT AM			60.0321.0.0000.000220.30480000	1	1
SE COR	339603.	471404.	5.0		
SE 82S	339596.	471332.	5.0		
SE 164S	339585.	471250.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339669.	471404.	5.0		
SE 164W	339751.	471420.	5.0		
SE 256W	339829.	471438.	5.0		
SE MIDW	340015.	471522.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 LBRT AM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	25 3.7 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
110	101	2.0 25 37.8 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	1270 3.7 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
110	14	2.0 1270 37.8 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	1890 3.9 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
110	22	2.0 1890 37.8 1762 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	1975 3.9 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	1360 3.7 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
110	67	2.0 1360 37.8 1639 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	280 3.9 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
110	83	2.0 280 37.8 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1729 3.9 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
110	25	2.0 1729 37.8 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	280 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	83	2.0 280 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	90 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	83	2.0 90 37.8 1717 1 3			
1					
EBL	410&NB	AG339593.471451.339108.471438.	275 4.0 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
110	83	2.0 275 37.8 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1039 4.0 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
110	18	2.0 1039 37.8 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	1099 4.0 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	1925 3.6 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
110	59	2.0 1925 37.8 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	1925 3.6 0. 68	25	
1					
WBALL	410&NB	AG339919.471557.340113.471684.	1925 3.6 0. 68	25	



[illegible]

JOB: S14 MD410&NB 295 LBRT AM  
DATE: 10/14/2007 TIME: 08:00:39.45

RUN: S14 MD410&NB 295 LBRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	25.	3.7	.0	44.0		
2. EBL	410&64	* 338507.0	471429.0	338493.2	471428.7	*	14.	267. AG	93.	100.0	.0	12.0	.31	.7
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	1270.	3.7	.0	44.0		
4. EBT	410&64	* 338520.0	471409.0	338413.1	471406.4	*	107.	268. AG	13.	100.0	.0	12.0	.86	5.4
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	1890.	3.9	.0	44.0		
6. WBALL	410&64	* 338636.0	471455.0	338749.6	471459.1	*	114.	88. AG	41.	100.0	.0	24.0	.70	5.8
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	1975.	3.9	.0	44.0		
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	1360.	3.7	.0	56.0		
9. EBALL	410&SB	* 339046.0	471421.0	338876.2	471417.9	*	170.	269. AG	185.	100.0	.0	36.0	.78	8.6
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	280.	3.9	.0	32.0		
11. WBL	410&SB	* 339129.0	471448.0	339262.5	471451.6	*	134.	88. AG	77.	100.0	.0	12.0	.76	6.8
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1729.	3.9	.0	44.0		
13. WBT	410&SB	* 339131.0	471470.0	339249.1	471472.6	*	118.	89. AG	46.	100.0	.0	24.0	.66	6.0
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	280.	3.5	.0	32.0		
15. SBR	410&SB	* 339068.0	471501.0	339070.2	471649.5	*	149.	1. AG	77.	100.0	.0	12.0	.85	7.5
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	90.	3.5	.0	44.0		
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471520.4	*	20.	360. AG	153.	100.0	.0	24.0	.13	1.0
18. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	275.	4.0	.0	32.0		
19. EBL	410&NB	* 339573.0	471450.0	339443.2	471446.7	*	130.	269. AG	77.	100.0	.0	12.0	.74	6.6
20. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1039.	4.0	.0	44.0		
21. EBT	410&NB	* 339565.0	471437.0	339514.0	471435.6	*	51.	268. AG	33.	100.0	.0	24.0	.37	2.6
22. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	1099.	4.0	.0	44.0		
23. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	1099.	4.0	.0	44.0		
24. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	1099.	4.0	.0	44.0		
25. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	1099.	4.0	.0	44.0		
26. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	1099.	4.0	.0	44.0		
27. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	1925.	3.6	.0	68.0		
28. WBALL	410&NB	* 339607.0	471478.0	339762.2	471478.0	*	155.	90. AG	218.	100.0	.0	48.0	.68	7.9
29. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	1925.	3.6	.0	68.0		
30. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	1925.	3.6	.0	68.0		
31. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	385.	3.5	.0	56.0		
32. NBALL	410&NB	* 339569.0	471399.0	339563.7	471336.3	*	63.	185. AG	249.	100.0	.0	36.0	.53	3.2
33. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	550.	3.5	.0	32.0		
34. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	2750.	5.3	.0	44.0		
35. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	2750.	5.3	.0	44.0		
36. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4150.	4.6	.0	44.0		
37. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4150.	4.6	.0	44.0		
38. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	3.3	.0	32.0		
39. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	3.3	.0	32.0		
40. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	3.3	.0	32.0		
41. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	3.3	.0	32.0		
42. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	3.3	.0	32.0		
43. EBT	410BUS	* 339552.0	471420.0	339548.7	471419.9	*	3.	270. AG	11.	100.0	.0	12.0	.02	.2
44. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	3.3	.0	32.0		

JOB: S14 MD410&NB 295 LBRT AM  
DATE: 10/14/2007 TIME: 08:00:39.45

RUN: S14 MD410&NB 295 LBRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. EBT	410BUS	* 339044.0	471407.0	339031.5	471406.8	*	12.	270. AG	41.	100.0	.0	12.0	.06	.6
46. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	3.3	.0	32.0		
47. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	3.3	.0	32.0		
48. EBT	410BUS	* 338499.0	471389.0	338496.4	471389.0	*	3.	270. AG	9.	100.0	.0	12.0	.02	.1
49. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	2.5	.0	32.0		
50. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	2.5	.0	32.0		
51. WB	410BUS	* 338640.0	471472.0	338644.1	471472.2	*	4.	85. AG	14.	100.0	.0	12.0	.03	.2
52. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	2.5	.0	32.0		
53. WB	410BUS	* 339132.0	471491.0	339136.7	471491.0	*	5.	87. AG	15.	100.0	.0	12.0	.03	.2
54. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	2.5	.0	32.0		
55. WBALL	410BUS	* 339615.0	471492.0	339625.9	471493.2	*	11.	83. AG	36.	100.0	.0	12.0	.05	.6
56. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	2.5	.0	32.0		
57. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	2.5	.0	32.0		
58. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	2.5	.0	32.0		
59. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	450.	3.5	.0	32.0		

JOB: S14 MD410&NB 295 LBRT AM  
DATE: 10/14/2007 TIME: 08:00:39.45

RUN: S14 MD410&NB 295 LBRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	110	101	2.0	25	1770	37.80	1	3
4.	EBT	410&64	*	110	14	2.0	1270	1770	37.80	1	3
6.	WBALL	410&64	*	110	22	2.0	1890	1762	37.80	1	3
9.	EBALL	410&SB	*	110	67	2.0	1360	1639	37.80	1	3
11.	WBL	410&SB	*	110	83	2.0	280	1770	37.80	1	3
13.	WBT	410&SB	*	110	25	2.0	1729	1770	37.80	1	3
15.	SBR	410&SB	*	110	83	2.0	280	1583	37.80	1	3
17.	SBL	410&SB	*	110	83	2.0	90	1717	37.80	1	3
19.	EBL	410&NB	*	110	83	2.0	275	1770	37.80	1	3
21.	EBT	410&NB	*	110	18	2.0	1039	1770	37.80	1	3
28.	WBALL	410&NB	*	110	59	2.0	1925	1667	37.80	1	3
32.	NBALL	410&NB	*	110	90	2.0	385	1672	37.80	1	3
43.	EBT	410BUS	*	110	18	2.0	34	1717	25.30	1	3
45.	EBT	410BUS	*	110	67	2.0	34	1717	25.30	1	3
48.	EBT	410BUS	*	110	14	2.0	34	1717	25.30	1	3
51.	WB	410BUS	*	110	22	2.0	34	1762	25.30	1	3
53.	WB	410BUS	*	110	25	2.0	34	1770	25.30	1	3
55.	WBALL	410BUS	*	110	59	2.0	34	1667	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339603.0	471404.0	5.0	*
2. SE 82S	*	339596.0	471332.0	5.0	*
3. SE 164S	*	339585.0	471250.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339669.0	471404.0	5.0	*
8. SE 164W	*	339751.0	471420.0	5.0	*
9. SE 256W	*	339829.0	471438.0	5.0	*
10. SE MIDW	*	340015.0	471522.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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JOB: S14 MD410&NB 295 LBRT AM

RUN: S14 MD410&NB 295 LBRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.4	.4	.4	.3	.2	.6	.5	.3	.2	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0
5.	*	.4	.3	.3	.2	.1	.2	.6	.5	.3	.2	.0	.1	.1	.0	.1	.1	.0	.0	.0	.0
10.	*	.5	.4	.2	.2	.0	.0	.6	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.5	.3	.2	.1	.0	.0	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.5	.4	.1	.1	.0	.0	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.5	.4	.1	.1	.0	.0	.7	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.6	.4	.1	.1	.0	.0	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.6	.4	.1	.1	.0	.0	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.6	.3	.1	.0	.0	.0	.5	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.7	.3	.1	.0	.0	.0	.6	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.7	.2	.0	.0	.0	.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.6	.2	.0	.0	.0	.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.6	.1	.0	.0	.0	.0	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1
65.	*	.6	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
70.	*	.4	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.3	.2
80.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.3	.2
85.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.3	.2
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	.2	.2
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.3	.2	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.4	.2	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.4	.3	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.5	.3	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.8	.3	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.1	.0	.0	.0	.7	.2	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.1	.0	.0	.0	.8	.2	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.2	.0	.0	.0	.8	.2	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.0	.0	.0	.8	.2	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.1	.1	.0	.0	.8	.3	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.1	.1	.0	.0	.8	.3	.3

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150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .2 .1 .0 .0 .7 .3 .3
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .2 .1 .0 .0 .6 .4 .3
160. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .3 .2 .1 .0 .0 .8 .4 .3
165. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .2 .1 .1 .1 .8 .4 .3
170. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .1 .2 .1 .1 .8 .5 .3
175. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .5 .2 .2 .2 .2 .8 .5 .3
180. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .3 .3 .2 .3 .8 .6 .2
185. * .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .0 .5 .4 .4 .2 .2 .3 .8 .6 .2
190. * .4 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .6 .5 .3 .3 .4 .5 .9 .6 .2
195. * .4 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .6 .5 .4 .4 .4 .5 .9 .7 .2
200. * .7 .2 .2 .2 .2 .1 .1 .1 .0 .0 .0 .8 .6 .5 .4 .4 .5 .1 .7 .3
205. * .8 .4 .4 .4 .2 .1 .2 .1 .1 .0 .0 .9 .6 .5 .4 .5 .4 .1 .7 .5

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JOB: S14 MD410&NB 295 LBRT AM

RUN: S14 MD410&NB 295 LBRT AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----*-----
210. * .9 .4 .4 .4 .2 .2 .2 .1 .1 .0 .0 .9 .5 .5 .4 .5 .4 1.1 .9 .5
215. * .9 .4 .4 .4 .4 .2 .2 .2 .1 .0 .0 .8 .5 .5 .4 .4 .4 1.1 .9 .6
220. * 1.0 .4 .4 .4 .4 .2 .3 .2 .2 .1 .0 .7 .5 .5 .4 .4 .4 1.0 1.2 .6
225. * .9 .3 .4 .4 .4 .2 .3 .2 .2 .2 .0 .8 .5 .5 .4 .4 .4 1.0 1.1 .6
230. * .9 .3 .3 .3 .3 .1 .3 .2 .2 .2 .1 .8 .5 .5 .4 .4 .4 1.0 1.1 .6
235. * .9 .3 .3 .3 .3 .2 .4 .2 .2 .2 .2 .8 .5 .6 .4 .4 .4 1.0 .9 .6
240. * .9 .3 .3 .3 .3 .3 .4 .3 .2 .2 .3 .8 .5 .5 .3 .4 .4 .9 .8 .7
245. * .8 .3 .3 .3 .3 .3 .4 .3 .2 .3 .3 .8 .6 .3 .3 .4 .4 .9 .8 .7
250. * .8 .4 .3 .3 .3 .3 .4 .3 .3 .3 .2 .7 .5 .4 .4 .4 .4 .7 .8 .5
255. * .6 .3 .2 .2 .3 .3 .4 .3 .4 .4 .2 .6 .5 .4 .4 .4 .4 .6 .5 .4
260. * .6 .3 .3 .3 .3 .3 .4 .4 .5 .5 .2 .6 .5 .4 .4 .4 .4 .6 .6 .4
265. * .6 .4 .3 .3 .3 .3 .5 .5 .5 .5 .2 .6 .4 .4 .4 .4 .4 .5 .4 .4
270. * .7 .5 .3 .3 .3 .3 .4 .6 .5 .4 .1 .5 .3 .3 .4 .4 .4 .4 .4 .2
275. * .7 .6 .3 .3 .3 .3 .5 .7 .8 .4 .2 .5 .3 .3 .4 .4 .4 .3 .2 .2
280. * .7 .7 .3 .3 .3 .3 .7 .8 .9 .3 .2 .4 .3 .4 .4 .4 .4 .2 .2 .1
285. * .7 .7 .3 .3 .3 .3 .6 .7 1.0 .4 .2 .3 .4 .4 .4 .4 .4 .2 .2 .2
290. * .6 .9 .3 .2 .3 .3 .6 .8 .9 .4 .1 .3 .4 .4 .4 .4 .4 .2 .2 .2
295. * .6 1.0 .3 .3 .3 .3 .6 .9 .8 .5 .0 .3 .4 .4 .4 .4 .4 .2 .2 .2
300. * .6 1.1 .3 .4 .3 .3 .5 .9 .6 .4 .0 .3 .3 .4 .4 .4 .4 .3 .2 .2
305. * .6 1.1 .3 .3 .3 .3 .6 .9 .6 .4 .0 .4 .3 .4 .4 .4 .4 .2 .2 .2
310. * .5 1.1 .4 .3 .3 .3 .6 1.0 .6 .4 .0 .4 .4 .4 .4 .4 .3 .2 .2 .2
315. * .5 1.1 .4 .3 .3 .3 .8 1.0 .5 .3 .0 .4 .4 .4 .4 .4 .3 .2 .2 .2
320. * .6 1.2 .4 .3 .4 .3 .7 1.0 .5 .3 .0 .3 .4 .4 .4 .4 .3 .2 .2 .2
325. * .6 1.1 .6 .4 .5 .4 .7 1.0 .5 .2 .0 .4 .4 .4 .4 .4 .2 .2 .2 .1
330. * .5 1.2 .6 .4 .4 .4 .7 1.0 .3 .2 .0 .4 .4 .4 .4 .3 .2 .2 .1 .1
335. * .6 1.0 .6 .4 .4 .5 .7 .9 .3 .2 .0 .4 .4 .4 .3 .3 .2 .1 .1 .1
340. * .5 .9 .6 .5 .4 .4 .6 .7 .2 .2 .0 .3 .3 .3 .3 .2 .1 .1 .0 .0
345. * .4 .7 .6 .5 .4 .4 .7 .7 .2 .2 .0 .3 .2 .2 .2 .1 .1 .0 .0 .0
350. * .6 .5 .5 .4 .4 .4 .7 .6 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0 .0
355. * .5 .4 .4 .4 .3 .2 .6 .6 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0 .0
360. * .6 .4 .4 .4 .3 .2 .6 .5 .3 .2 .0 .1 .1 .1 .1 .1 .1 .0 .0 .0
-----*-----
MAX * 1.0 1.2 .6 .5 .5 .5 .8 1.0 1.0 .5 .3 .9 .6 .6 .4 .5 .5 1.1 1.2 .7
DEGR. * 220 320 325 340 325 335 315 310 285 260 240 115 200 235 195 205 190 205 220 240

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JOB: S14 MD410&NB 295 LBRT AM

RUN: S14 MD410&NB 295 LBRT AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22
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0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .0 .0
45. * .1 .0
50. * .1 .0
55. * .1 .0
60. * .2 .0
65. * .2 .0
70. * .2 .0
75. * .2 .0
80. * .3 .0
85. * .3 .0
90. * .3 .0
95. * .3 .0
100. * .3 .0
105. * .2 .0

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110.	*	.2	.0
115.	*	.2	.0
120.	*	.2	.0
125.	*	.3	.0
130.	*	.3	.0
135.	*	.3	.0
140.	*	.3	.0
145.	*	.3	.0
150.	*	.3	.0
155.	*	.3	.0
160.	*	.3	.0
165.	*	.3	.0
170.	*	.3	.0
175.	*	.3	.0
180.	*	.3	.0
185.	*	.3	.0
190.	*	.2	.1
195.	*	.2	.1
200.	*	.3	.1
205.	*	.3	.1

1

JOB: S14 MD410&NB 295 LBRT AM

RUN: S14 MD410&NB 295 LBRT AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.3	.1
215.	*	.3	.1
220.	*	.4	.2
225.	*	.5	.2
230.	*	.5	.2
235.	*	.5	.2
240.	*	.5	.1
245.	*	.3	.0
250.	*	.3	.0
255.	*	.2	.0
260.	*	.1	.0
265.	*	.1	.1
270.	*	.1	.1
275.	*	.1	.1
280.	*	.2	.2
285.	*	.2	.2
290.	*	.2	.2
295.	*	.2	.1
300.	*	.2	.0
305.	*	.2	.0
310.	*	.2	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .5 .2

DEGR. \* 225 220

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 320 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 220 DEGREES FROM REC19.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 205 DEGREES FROM REC18.

S14 MD410&NB 295 LBRT PM			60.0321.0.0000.000220.30480000	1	1
SE COR	339603.	471404.	5.0		
SE 82S	339596.	471332.	5.0		
SE 164S	339585.	471250.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339669.	471404.	5.0		
SE 164W	339751.	471420.	5.0		
SE 256W	339829.	471438.	5.0		
SE MIDW	340015.	471522.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 LBRT PM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	90 3.9 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
100	88	2.0 90 37.8 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	2040 3.9 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
100	9	2.0 2040 37.8 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2010 4.0 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
100	20	2.0 2010 37.8 1757 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	1980 4.0 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	2115 3.9 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
100	59	2.0 2115 37.8 1695 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	305 3.9 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
100	77	2.0 305 37.8 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1694 3.9 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
100	22	2.0 1694 37.8 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	350 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
100	76	2.0 350 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	200 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
100	76	2.0 200 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	650 3.5 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	175 4.4 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
100	83	2.0 175 37.8 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1824 4.4 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
100	16	2.0 1824 37.8 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	2064 4.4 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	1780 3.6 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
100	58	2.0 1780 37.8 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	1780 3.6 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	1780	3.6	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	575	3.5	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
100		80	2.0 575 37.8 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	325	3.5	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	4350	4.3	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	4350	4.3	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4000	4.8	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4000	4.8	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	2.7	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	2.7	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	2.7	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	2.7	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	2.7	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
100		9	2.0 34 25.3 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	2.7	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
100		59	2.0 34 25.3 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	2.7	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	2.7	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
110		16	2.0 34 25.3 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	2.5	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	2.5	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
110		20	2.0 34 25.3 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	2.5	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
110		22	2.0 34 25.3 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	2.5	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		58	2.0 34 25.3 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	2.5	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	2.5	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	2.5	0.	32	25
1.0	04	1000	0Y 5 0 72					

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RUN: S14 MD410&NB 295 LBRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	90.	3.9	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338461.0	471427.8	*	46.	268. AG	89.	100.0	.0	12.0	.64 2.3
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	2040.	3.9	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	333235.0	471276.1	*	5287.	269. AG	9.	100.0	.0	12.0	1.33 268.6
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2010.	4.0	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338745.9	471458.9	*	110.	88. AG	41.	100.0	.0	24.0	.75 5.6
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	1980.	4.0	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	2115.	3.9	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	337913.9	471400.4	*	1132.	269. AG	179.	100.0	.0	36.0	1.12 57.5
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	305.	3.9	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339296.7	471452.5	*	168.	89. AG	78.	100.0	.0	12.0	.91 8.5
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1694.	3.9	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339232.9	471472.2	*	102.	89. AG	45.	100.0	.0	24.0	.65 5.2
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	350.	3.5	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339076.5	472077.0	*	576.	1. AG	77.	100.0	.0	12.0	1.11 29.3
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	200.	3.5	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471541.6	*	42.	360. AG	154.	100.0	.0	24.0	.29 2.1
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	650.	3.5	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	175.	4.4	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339484.4	471447.8	*	89.	268. AG	84.	100.0	.0	12.0	.76 4.5
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1824.	4.4	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339485.2	471434.8	*	80.	269. AG	32.	100.0	.0	24.0	.64 4.1
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	2064.	4.4	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	2064.	4.4	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	2064.	4.4	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	2064.	4.4	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	2064.	4.4	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	1780.	3.6	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339748.1	471478.0	*	141.	90. AG	235.	100.0	.0	48.0	.70 7.2
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	1780.	3.6	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	1780.	3.6	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	575.	3.5	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339561.6	471311.0	*	88.	185. AG	243.	100.0	.0	36.0	.72 4.5
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	325.	3.5	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4350.	4.3	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4350.	4.3	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4000.	4.8	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4000.	4.8	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	2.7	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	2.7	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	2.7	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	2.7	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	2.7	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339550.3	471419.9	*	2.	265. AG	6.	100.0	.0	12.0	.02 .1

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	2.7	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339033.0	471406.8	*	11.	270. AG	40.	100.0	.0	12.0	.05 .6
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	2.7	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	2.7	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338496.0	471389.0	*	3.	268. AG	10.	100.0	.0	12.0	.02 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	2.5	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	2.5	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338643.7	471472.2	*	4.	88. AG	12.	100.0	.0	12.0	.02 .2
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	2.5	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339136.1	471491.0	*	4.	90. AG	14.	100.0	.0	12.0	.03 .2
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	2.5	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339625.7	471493.2	*	11.	84. AG	36.	100.0	.0	12.0	.05 .5
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	2.5	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	2.5	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	2.5	.0	32.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		



2.	EBL	410&64	*	100	88	2.0	90	1770	37.80	1	3
4.	EBT	410&64	*	100	9	2.0	2040	1770	37.80	1	3
6.	WBALL	410&64	*	100	20	2.0	2010	1757	37.80	1	3
9.	EBALL	410&SB	*	100	59	2.0	2115	1695	37.80	1	3
11.	WBL	410&SB	*	100	77	2.0	305	1770	37.80	1	3
13.	WBT	410&SB	*	100	22	2.0	1694	1770	37.80	1	3
15.	SBR	410&SB	*	100	76	2.0	350	1583	37.80	1	3
17.	SBL	410&SB	*	100	76	2.0	200	1717	37.80	1	3
20.	EBL	410&NB	*	100	83	2.0	175	1770	37.80	1	3
22.	EBT	410&NB	*	100	16	2.0	1824	1770	37.80	1	3
29.	WBALL	410&NB	*	100	58	2.0	1780	1667	37.80	1	3
33.	NBALL	410&NB	*	100	80	2.0	575	1672	37.80	1	3
44.	EBT	410BUS	*	100	9	2.0	34	1717	25.30	1	3
46.	EBT	410BUS	*	100	59	2.0	34	1717	25.30	1	3
49.	EBT	410BUS	*	110	16	2.0	34	1717	25.30	1	3
52.	WB	410BUS	*	110	20	2.0	34	1762	25.30	1	3
54.	WB	410BUS	*	110	22	2.0	34	1770	25.30	1	3
56.	WBALL	410BUS	*	110	58	2.0	34	1667	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339603.0	471404.0	5.0	*
2. SE 82S	*	339596.0	471332.0	5.0	*
3. SE 164S	*	339585.0	471250.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339669.0	471404.0	5.0	*
8. SE 164W	*	339751.0	471420.0	5.0	*
9. SE 256W	*	339829.0	471438.0	5.0	*
10. SE MIDW	*	340015.0	471522.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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JOB: S14 MD410&NB 295 LBRT PM

RUN: S14 MD410&NB 295 LBRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.4	.6	.4	.3	.3	.7	.6	.3	.4	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
5.	*	.5	.3	.5	.4	.1	.2	.7	.6	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.6	.5	.4	.2	.1	.1	.7	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.6	.4	.3	.2	.0	.1	.7	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.7	.4	.3	.1	.0	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.8	.4	.2	.1	.0	.0	.8	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.8	.4	.2	.1	.0	.0	.8	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.8	.3	.1	.0	.0	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.8	.4	.1	.0	.0	.0	.7	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.9	.5	.1	.0	.0	.0	.7	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.9	.4	.0	.0	.0	.0	.6	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.8	.3	.0	.0	.0	.0	.6	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.9	.2	.0	.0	.0	.0	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
65.	*	.8	.0	.0	.0	.0	.0	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
70.	*	.6	.0	.0	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.3	.3
80.	*	.4	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.4	.4
85.	*	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.1	.4	.3
90.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	.4	.3
95.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.4	.4	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.5	.3	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.1	.0	.0	.0	.0	.6	.3	.4
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.6	.3	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.2	.0	.0	.0	.0	.6	.3	.4
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.3	.0	.0	.0	.0	.7	.3	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.4	.1	.0	.0	.0	.8	.4	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.3	.2	.0	.0	.0	.8	.4	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.1	.0	.0	.0	.8	.4	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.1	.0	.0	.0	.9	.3	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.1	.1	.0	.0	1.0	.3	.3

150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.2	.1	.0	.0	.9	.3	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.2	.1	.0	.0	.9	.3	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.2	.1	.0	.0	.8	.3	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.1	.0	.0	.9	.3	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.1	.1	.0	.0	.9	.4	.3
175.	*	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.1	.2	.2	.3	.9	.4	.3
180.	*	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.7	.5	.3	.3	.2	.3	.9	.4	.4
185.	*	.4	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.8	.3	.3	.3	.4	.4	.9	.5	.4
190.	*	.5	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.9	.6	.4	.3	.5	.5	1.0	.5	.4
195.	*	.6	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.0	.6	.6	.5	.5	.5	1.1	.7	.3
200.	*	.8	.4	.3	.3	.2	.1	.1	.1	.0	.0	.0	1.0	.7	.7	.5	.5	.7	1.1	.8	.4
205.	*	.9	.5	.4	.4	.3	.1	.2	.1	.1	.0	.0	.8	.7	.7	.6	.5	.5	1.3	.9	.4

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JOB: S14 MD410&NB 295 LBRT PM

RUN: S14 MD410&NB 295 LBRT PM

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WIND * CONCENTRATION																					
ANGLE * (PPM)																					
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	1.0	.5	.4	.4	.3	.2	.3	.2	.1	.0	.0	.8	.5	.6	.6	.6	.5	1.3	1.0	.5
215.	*	1.0	.6	.4	.4	.4	.2	.4	.2	.2	.1	.0	.7	.5	.6	.4	.3	.4	1.3	1.1	.6
220.	*	1.0	.6	.4	.4	.4	.2	.4	.2	.2	.1	.1	.7	.5	.6	.5	.3	.4	1.4	1.1	.6
225.	*	1.0	.6	.4	.4	.4	.3	.4	.2	.2	.2	.1	.7	.5	.5	.4	.3	.5	1.3	1.1	.9
230.	*	1.0	.7	.4	.4	.4	.3	.5	.3	.2	.2	.2	.7	.5	.5	.3	.4	.5	1.3	1.1	.9
235.	*	1.0	.7	.4	.4	.4	.3	.5	.3	.2	.2	.4	.7	.5	.6	.4	.4	.4	1.1	1.2	.8
240.	*	.9	.8	.4	.4	.4	.4	.5	.3	.3	.3	.4	.7	.5	.5	.4	.4	.3	1.0	1.1	.7
245.	*	.9	.8	.4	.4	.4	.4	.5	.3	.3	.3	.4	.6	.6	.4	.4	.4	.3	.9	1.1	.7
250.	*	.9	.9	.4	.4	.4	.4	.5	.3	.3	.4	.3	.7	.6	.4	.4	.4	.3	.8	.9	.6
255.	*	.9	.9	.4	.4	.4	.4	.5	.5	.6	.6	.3	.7	.6	.4	.4	.3	.3	.8	.7	.7
260.	*	.9	1.0	.4	.4	.4	.4	.6	.6	.8	.6	.2	.7	.5	.4	.4	.3	.3	.7	.8	.6
265.	*	1.0	1.1	.4	.4	.4	.4	.6	.6	.8	.6	.2	.7	.4	.4	.3	.3	.3	.7	.6	.5
270.	*	1.0	1.1	.5	.4	.4	.4	.8	.8	.9	.7	.2	.5	.4	.3	.3	.3	.3	.5	.5	.3
275.	*	1.1	1.2	.5	.5	.4	.4	.9	.8	1.2	.7	.3	.5	.3	.3	.3	.3	.3	.4	.3	.2
280.	*	1.0	1.2	.5	.5	.4	.4	.8	1.1	1.2	.5	.3	.4	.3	.3	.3	.3	.3	.2	.2	.3
285.	*	1.1	1.2	.5	.5	.5	.4	.7	1.0	1.2	.6	.2	.3	.3	.3	.3	.3	.3	.2	.3	.2
290.	*	.9	1.2	.7	.5	.5	.4	.7	1.1	1.1	.6	.2	.3	.3	.3	.3	.3	.3	.2	.3	.2
295.	*	1.0	1.3	.6	.5	.5	.4	.6	1.1	.9	.6	.1	.3	.3	.3	.3	.3	.3	.2	.2	.2
300.	*	.9	1.3	.5	.6	.5	.5	.7	1.0	.8	.5	.1	.3	.4	.3	.3	.3	.3	.2	.2	.2
305.	*	.8	1.3	.5	.4	.5	.5	.8	1.2	.8	.5	.1	.3	.3	.3	.3	.3	.3	.2	.2	.2
310.	*	.8	1.3	.6	.5	.5	.5	.7	1.2	.7	.5	.0	.3	.3	.3	.3	.3	.3	.2	.2	.2
315.	*	.8	1.3	.7	.5	.4	.5	.9	1.1	.7	.4	.0	.3	.3	.3	.3	.4	.2	.3	.2	.2
320.	*	1.0	1.3	.7	.5	.5	.4	.8	1.2	.6	.4	.0	.5	.4	.3	.4	.5	.3	.3	.2	.2
325.	*	.8	1.3	.8	.5	.5	.4	.9	1.2	.5	.4	.0	.4	.4	.4	.5	.5	.3	.3	.2	.1
330.	*	.8	1.4	.8	.5	.4	.4	.8	1.2	.4	.3	.0	.4	.4	.4	.4	.3	.2	.3	.1	.1
335.	*	.7	1.1	1.0	.7	.4	.5	1.0	.8	.4	.3	.0	.4	.4	.4	.3	.3	.2	.2	.1	.1
340.	*	.7	1.2	.8	.7	.4	.4	.9	.9	.4	.3	.0	.3	.3	.3	.3	.3	.2	.1	.1	.0
345.	*	.7	1.0	.8	.5	.5	.4	.8	.9	.3	.3	.0	.3	.3	.3	.3	.2	.1	.1	.1	.0
350.	*	.7	.7	.7	.4	.5	.4	.8	.7	.4	.3	.0	.3	.2	.2	.2	.2	.1	.1	.0	.0
355.	*	.5	.7	.5	.4	.3	.4	.8	.7	.4	.3	.0	.2	.2	.2	.2	.2	.0	.0	.0	.0
360.	*	.6	.4	.6	.4	.3	.3	.7	.6	.3	.4	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
MAX	*	1.1	1.4	1.0	.7	.5	.5	1.0	1.2	1.2	.7	.4	1.1	.7	.7	.6	.6	.7	1.4	1.2	.9
DEGR.	*	285	330	335	335	285	300	335	305	275	270	235	115	200	200	205	210	200	220	235	225

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JOB: S14 MD410&NB 295 LBRT PM

RUN: S14 MD410&NB 295 LBRT PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION			
ANGLE * (PPM)			
(DEGR)*	REC21	REC22	

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.0	.0
45.	*	.1	.0
50.	*	.1	.0
55.	*	.1	.0
60.	*	.1	.0
65.	*	.2	.0
70.	*	.3	.0
75.	*	.3	.0
80.	*	.3	.0
85.	*	.3	.0
90.	*	.3	.0
95.	*	.3	.0
100.	*	.3	.0
105.	*	.3	.0

110.	*	.4	.0
115.	*	.4	.0
120.	*	.4	.0
125.	*	.3	.0
130.	*	.3	.0
135.	*	.3	.0
140.	*	.3	.0
145.	*	.3	.0
150.	*	.3	.0
155.	*	.3	.0
160.	*	.3	.0
165.	*	.3	.0
170.	*	.3	.0
175.	*	.3	.0
180.	*	.3	.0
185.	*	.3	.1
190.	*	.4	.1
195.	*	.4	.2
200.	*	.5	.2
205.	*	.4	.2

1

JOB: S14 MD410&NB 295 LBRT PM

RUN: S14 MD410&NB 295 LBRT PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.4	.2
215.	*	.4	.3
220.	*	.5	.2
225.	*	.7	.2
230.	*	.5	.2
235.	*	.5	.1
240.	*	.5	.1
245.	*	.3	.1
250.	*	.3	.1
255.	*	.3	.1
260.	*	.2	.0
265.	*	.3	.1
270.	*	.1	.2
275.	*	.2	.2
280.	*	.2	.2
285.	*	.2	.2
290.	*	.2	.2
295.	*	.2	.1
300.	*	.2	.1
305.	*	.2	.1
310.	*	.2	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.1	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .7 .3

DEGR. \* 225 215

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 330 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 220 DEGREES FROM REC18 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 305 DEGREES FROM REC8 .

S14 MD410&NB 295 HBRT AM			60.0321.0.0000.000220.30480000	1	1
SE COR	339603.	471404.	5.0		
SE 82S	339596.	471332.	5.0		
SE 164S	339585.	471250.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339669.	471404.	5.0		
SE 164W	339751.	471420.	5.0		
SE 256W	339829.	471438.	5.0		
SE MIDW	340015.	471522.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 HBRT AM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	25 3.7 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
110	101	2.0 25 37.8 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	1270 3.7 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
110	14	2.0 1270 37.8 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	1890 3.9 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
110	22	2.0 1890 37.8 1762 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	1975 3.9 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	1360 3.7 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
110	67	2.0 1360 37.8 1639 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	280 3.9 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
110	83	2.0 280 37.8 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1729 3.9 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
110	25	2.0 1729 37.8 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	280 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	83	2.0 280 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	90 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	83	2.0 90 37.8 1717 1 3			
1					
EBL	410&NB	AG339593.471451.339108.471438.	275 4.0 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
110	83	2.0 275 37.8 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1039 4.0 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
110	18	2.0 1039 37.8 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	1099 4.0 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	1099 4.0 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	1925 3.6 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
110	59	2.0 1925 37.8 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	1925 3.6 0. 68	25	
1					
WBALL	410&NB	AG339919.471557.340113.471684.	1925 3.6 0. 68	25	

[illegible]



2.	EBL	410&64	*	110	101	2.0	25	1770	37.80	1	3
4.	EBT	410&64	*	110	14	2.0	1270	1770	37.80	1	3
6.	WBALL	410&64	*	110	22	2.0	1890	1762	37.80	1	3
9.	EBALL	410&SB	*	110	67	2.0	1360	1639	37.80	1	3
11.	WBL	410&SB	*	110	83	2.0	280	1770	37.80	1	3
13.	WBT	410&SB	*	110	25	2.0	1729	1770	37.80	1	3
15.	SBR	410&SB	*	110	83	2.0	280	1583	37.80	1	3
17.	SBL	410&SB	*	110	83	2.0	90	1717	37.80	1	3
19.	EBL	410&NB	*	110	83	2.0	275	1770	37.80	1	3
21.	EBT	410&NB	*	110	18	2.0	1039	1770	37.80	1	3
28.	WBALL	410&NB	*	110	59	2.0	1925	1667	37.80	1	3
32.	NBALL	410&NB	*	110	90	2.0	385	1672	37.80	1	3
43.	EBT	410BUS	*	110	18	2.0	34	1717	25.30	1	3
45.	EBT	410BUS	*	110	67	2.0	34	1717	25.30	1	3
48.	EBT	410BUS	*	110	14	2.0	34	1717	25.30	1	3
51.	WB	410BUS	*	110	22	2.0	34	1762	25.30	1	3
53.	WB	410BUS	*	110	25	2.0	34	1770	25.30	1	3
55.	WBALL	410BUS	*	110	59	2.0	34	1667	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	339603.0	471404.0	5.0	*
2. SE 82S	*	339596.0	471332.0	5.0	*
3. SE 164S	*	339585.0	471250.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339669.0	471404.0	5.0	*
8. SE 164W	*	339751.0	471420.0	5.0	*
9. SE 256W	*	339829.0	471438.0	5.0	*
10. SE MIDW	*	340015.0	471522.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

1

JOB: S14 MD410&NB 295 HBRT AM

RUN: S14 MD410&NB 295 HBRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.4	.4	.4	.3	.2	.6	.5	.3	.2	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0
5.	*	.4	.3	.3	.2	.1	.2	.6	.5	.3	.2	.0	.1	.1	.0	.1	.1	.0	.0	.0	.0
10.	*	.5	.4	.2	.2	.0	.0	.6	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.5	.3	.2	.1	.0	.0	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.5	.4	.1	.1	.0	.0	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.5	.4	.1	.1	.0	.0	.7	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.6	.4	.1	.1	.0	.0	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.6	.4	.1	.1	.0	.0	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.6	.3	.1	.0	.0	.0	.5	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.7	.3	.1	.0	.0	.0	.6	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.7	.2	.0	.0	.0	.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.6	.2	.0	.0	.0	.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.6	.1	.0	.0	.0	.0	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1
65.	*	.6	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
70.	*	.4	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.3	.2
80.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.3	.2
85.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.3	.2
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	.2	.2
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.3	.2	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.4	.2	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.4	.3	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.5	.3	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.8	.3	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.1	.0	.0	.0	.7	.2	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.1	.0	.0	.0	.8	.2	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.2	.0	.0	.0	.8	.2	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.0	.0	.0	.8	.2	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.1	.1	.0	.0	.8	.3	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.1	.1	.0	.0	.8	.3	.3

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150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .2 .1 .0 .0 .7 .3 .3
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .2 .1 .0 .0 .6 .4 .3
160. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .3 .2 .1 .0 .0 .8 .4 .3
165. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .2 .1 .1 .1 .8 .4 .3
170. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .1 .2 .1 .1 .8 .5 .3
175. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .5 .2 .2 .2 .2 .8 .5 .3
180. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .3 .3 .2 .3 .8 .6 .2
185. * .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .0 .5 .4 .4 .2 .2 .3 .8 .6 .2
190. * .4 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .6 .5 .3 .3 .4 .5 .9 .6 .2
195. * .4 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .6 .5 .4 .4 .4 .5 .9 .7 .2
200. * .7 .2 .2 .2 .2 .1 .1 .1 .0 .0 .0 .8 .6 .5 .4 .4 .5 .10 .7 .3
205. * .8 .4 .4 .4 .2 .1 .2 .1 .1 .0 .0 .9 .6 .5 .4 .5 .4 .11 .7 .5

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1

JOB: S14 MD410&NB 295 HBRT AM

RUN: S14 MD410&NB 295 HBRT AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----*-----
210. * .9 .4 .4 .4 .2 .2 .2 .1 .1 .0 .0 .9 .5 .5 .4 .5 .4 1.1 .9 .5
215. * .9 .4 .4 .4 .4 .2 .2 .2 .1 .0 .0 .8 .5 .5 .4 .4 .4 1.1 .9 .6
220. * 1.0 .4 .4 .4 .4 .2 .3 .2 .2 .1 .0 .7 .5 .5 .4 .4 .4 1.0 1.2 .6
225. * .9 .3 .4 .4 .4 .2 .3 .2 .2 .2 .0 .8 .5 .5 .4 .4 .4 1.0 1.1 .6
230. * .9 .3 .3 .3 .3 .1 .3 .2 .2 .2 .1 .8 .5 .5 .4 .4 .4 1.0 1.1 .6
235. * .9 .3 .3 .3 .3 .2 .4 .2 .2 .2 .2 .8 .5 .6 .4 .4 .4 1.0 .9 .6
240. * .9 .3 .3 .3 .3 .3 .4 .3 .2 .2 .3 .8 .5 .5 .3 .4 .4 .9 .8 .7
245. * .8 .3 .3 .3 .3 .3 .4 .3 .2 .3 .3 .8 .6 .3 .3 .4 .4 .9 .8 .7
250. * .8 .4 .3 .3 .3 .3 .4 .3 .3 .3 .2 .7 .5 .4 .4 .4 .4 .7 .8 .5
255. * .6 .3 .2 .2 .3 .3 .4 .3 .4 .4 .2 .6 .5 .4 .4 .4 .4 .6 .5 .4
260. * .6 .3 .3 .3 .3 .3 .4 .4 .5 .5 .2 .6 .5 .4 .4 .4 .4 .6 .6 .4
265. * .6 .4 .3 .3 .3 .3 .5 .5 .5 .5 .2 .6 .4 .4 .4 .4 .4 .5 .4 .4
270. * .7 .5 .3 .3 .3 .3 .4 .6 .5 .4 .1 .5 .3 .3 .4 .4 .4 .4 .4 .2
275. * .7 .6 .3 .3 .3 .3 .5 .7 .8 .4 .2 .5 .3 .3 .4 .4 .4 .3 .2 .2
280. * .7 .7 .3 .3 .3 .3 .7 .8 .9 .3 .2 .4 .3 .4 .4 .4 .4 .2 .2 .1
285. * .7 .7 .3 .3 .3 .3 .6 .7 1.0 .4 .2 .3 .4 .4 .4 .4 .4 .2 .2 .2
290. * .6 .9 .3 .2 .3 .3 .6 .8 .9 .4 .1 .3 .4 .4 .4 .4 .4 .2 .2 .2
295. * .6 1.0 .3 .3 .3 .3 .6 .9 .8 .5 .0 .3 .4 .4 .4 .4 .4 .2 .2 .2
300. * .6 1.1 .3 .4 .3 .3 .5 .9 .6 .4 .0 .3 .3 .4 .4 .4 .4 .3 .2 .2
305. * .6 1.1 .3 .3 .3 .3 .6 .9 .6 .4 .0 .4 .3 .4 .4 .4 .4 .2 .2 .2
310. * .5 1.1 .4 .3 .3 .3 .6 1.0 .6 .4 .0 .4 .4 .4 .4 .4 .3 .2 .2 .2
315. * .5 1.1 .4 .3 .3 .3 .8 1.0 .5 .3 .0 .4 .4 .4 .4 .4 .3 .2 .2 .2
320. * .6 1.2 .4 .3 .4 .3 .7 1.0 .5 .3 .0 .3 .4 .4 .4 .4 .3 .2 .2 .2
325. * .6 1.1 .6 .4 .5 .4 .7 1.0 .5 .2 .0 .4 .4 .4 .4 .4 .2 .2 .2 .1
330. * .5 1.2 .6 .4 .4 .4 .7 1.0 .3 .2 .0 .4 .4 .4 .4 .3 .2 .2 .1 .1
335. * .6 1.0 .6 .4 .4 .5 .7 .9 .3 .2 .0 .4 .4 .4 .3 .3 .2 .1 .1 .1
340. * .5 .9 .6 .5 .4 .4 .6 .7 .2 .2 .0 .3 .3 .3 .3 .2 .1 .1 .0 .0
345. * .4 .7 .6 .5 .4 .4 .7 .7 .2 .2 .0 .3 .2 .2 .2 .1 .1 .0 .0 .0
350. * .6 .5 .5 .4 .4 .4 .7 .6 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0 .0
355. * .5 .4 .4 .4 .3 .2 .6 .6 .2 .2 .0 .2 .2 .2 .2 .2 .1 .0 .0 .0
360. * .6 .4 .4 .4 .3 .2 .6 .5 .3 .2 .0 .1 .1 .1 .1 .1 .1 .0 .0 .0
-----*-----
MAX * 1.0 1.2 .6 .5 .5 .5 .8 1.0 1.0 .5 .3 .9 .6 .6 .4 .5 .5 1.1 1.2 .7
DEGR. * 220 320 325 340 325 335 315 310 285 260 240 115 200 235 195 205 190 205 220 240

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JOB: S14 MD410&NB 295 HBRT AM

RUN: S14 MD410&NB 295 HBRT AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22
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0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .0 .0
45. * .1 .0
50. * .1 .0
55. * .1 .0
60. * .2 .0
65. * .2 .0
70. * .2 .0
75. * .2 .0
80. * .3 .0
85. * .3 .0
90. * .3 .0
95. * .3 .0
100. * .3 .0
105. * .2 .0

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110.	*	.2	.0
115.	*	.2	.0
120.	*	.2	.0
125.	*	.3	.0
130.	*	.3	.0
135.	*	.3	.0
140.	*	.3	.0
145.	*	.3	.0
150.	*	.3	.0
155.	*	.3	.0
160.	*	.3	.0
165.	*	.3	.0
170.	*	.3	.0
175.	*	.3	.0
180.	*	.3	.0
185.	*	.3	.0
190.	*	.2	.1
195.	*	.2	.1
200.	*	.3	.1
205.	*	.3	.1

1

JOB: S14 MD410&NB 295 HBRT AM

RUN: S14 MD410&NB 295 HBRT AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.3	.1
215.	*	.3	.1
220.	*	.4	.2
225.	*	.5	.2
230.	*	.5	.2
235.	*	.5	.2
240.	*	.5	.1
245.	*	.3	.0
250.	*	.3	.0
255.	*	.2	.0
260.	*	.1	.0
265.	*	.1	.1
270.	*	.1	.1
275.	*	.1	.1
280.	*	.2	.2
285.	*	.2	.2
290.	*	.2	.2
295.	*	.2	.1
300.	*	.2	.0
305.	*	.2	.0
310.	*	.2	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .5 .2

DEGR. \* 225 220

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 320 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 220 DEGREES FROM REC19.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 205 DEGREES FROM REC18.

S14 MD410&NB 295 HBRT PM			60.0321.0.0000.000220.30480000	1	1
SE COR	339603.	471404.	5.0		
SE 82S	339596.	471332.	5.0		
SE 164S	339585.	471250.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339669.	471404.	5.0		
SE 164W	339751.	471420.	5.0		
SE 256W	339829.	471438.	5.0		
SE MIDW	340015.	471522.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 HBRT PM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	90 3.9 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
100	88	2.0 90 37.8 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	2040 3.9 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
100	9	2.0 2040 37.8 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2010 4.0 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
100	20	2.0 2010 37.8 1757 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	1980 4.0 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	2115 3.9 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
100	59	2.0 2115 37.8 1695 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	305 3.9 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
100	77	2.0 305 37.8 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1694 3.9 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
100	22	2.0 1694 37.8 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	350 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
100	76	2.0 350 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	200 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
100	76	2.0 200 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	650 3.5 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	175 4.4 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
100	83	2.0 175 37.8 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1824 4.4 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
100	16	2.0 1824 37.8 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	2064 4.4 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	2064 4.4 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	1780 3.6 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
100	58	2.0 1780 37.8 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	1780 3.6 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	1780	3.6	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	575	3.5	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
100		80	2.0 575 37.8 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	325	3.5	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	4350	4.3	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	4350	4.3	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4000	4.8	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4000	4.8	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	2.7	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	2.7	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	2.7	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	2.7	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	2.7	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
100		9	2.0 34 25.3 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	2.7	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
100		59	2.0 34 25.3 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	2.7	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	2.7	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
110		16	2.0 34 25.3 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	2.5	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	2.5	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
110		20	2.0 34 25.3 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	2.5	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
110		22	2.0 34 25.3 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	2.5	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		58	2.0 34 25.3 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	2.5	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	2.5	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	2.5	0.	32	25
1.0	04	1000	0Y 5 0 72					

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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	90.	3.9	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338461.0	471427.8	*	46.	268. AG	89.	100.0	.0	12.0	.64 2.3
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	2040.	3.9	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	333235.0	471276.1	*	5287.	269. AG	9.	100.0	.0	12.0	1.33 268.6
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2010.	4.0	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338745.9	471458.9	*	110.	88. AG	41.	100.0	.0	24.0	.75 5.6
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	1980.	4.0	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	2115.	3.9	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	337913.9	471400.4	*	1132.	269. AG	179.	100.0	.0	36.0	1.12 57.5
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	305.	3.9	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339296.7	471452.5	*	168.	89. AG	78.	100.0	.0	12.0	.91 8.5
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1694.	3.9	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339232.9	471472.2	*	102.	89. AG	45.	100.0	.0	24.0	.65 5.2
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	350.	3.5	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339076.5	472077.0	*	576.	1. AG	77.	100.0	.0	12.0	1.11 29.3
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	200.	3.5	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471541.6	*	42.	360. AG	154.	100.0	.0	24.0	.29 2.1
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	650.	3.5	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	175.	4.4	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339484.4	471447.8	*	89.	268. AG	84.	100.0	.0	12.0	.76 4.5
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1824.	4.4	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339485.2	471434.8	*	80.	269. AG	32.	100.0	.0	24.0	.64 4.1
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	2064.	4.4	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	2064.	4.4	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	2064.	4.4	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	2064.	4.4	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	2064.	4.4	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	1780.	3.6	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339748.1	471478.0	*	141.	90. AG	235.	100.0	.0	48.0	.70 7.2
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	1780.	3.6	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	1780.	3.6	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	575.	3.5	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339561.6	471311.0	*	88.	185. AG	243.	100.0	.0	36.0	.72 4.5
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	325.	3.5	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4350.	4.3	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4350.	4.3	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4000.	4.8	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4000.	4.8	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	2.7	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	2.7	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	2.7	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	2.7	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	2.7	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339550.3	471419.9	*	2.	265. AG	6.	100.0	.0	12.0	.02 .1

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	2.7	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339033.0	471406.8	*	11.	270. AG	40.	100.0	.0	12.0	.05 .6
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	2.7	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	2.7	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338496.0	471389.0	*	3.	268. AG	10.	100.0	.0	12.0	.02 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	2.5	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	2.5	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338643.7	471472.2	*	4.	88. AG	12.	100.0	.0	12.0	.02 .2
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	2.5	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339136.1	471491.0	*	4.	90. AG	14.	100.0	.0	12.0	.03 .2
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	2.5	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339625.7	471493.2	*	11.	84. AG	36.	100.0	.0	12.0	.05 .5
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	2.5	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	2.5	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	2.5	.0	32.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	100	88	2.0	90	1770	37.80	1	3
4.	EBT	410&64	*	100	9	2.0	2040	1770	37.80	1	3
6.	WBALL	410&64	*	100	20	2.0	2010	1757	37.80	1	3
9.	EBALL	410&SB	*	100	59	2.0	2115	1695	37.80	1	3
11.	WBL	410&SB	*	100	77	2.0	305	1770	37.80	1	3
13.	WBT	410&SB	*	100	22	2.0	1694	1770	37.80	1	3
15.	SBR	410&SB	*	100	76	2.0	350	1583	37.80	1	3
17.	SBL	410&SB	*	100	76	2.0	200	1717	37.80	1	3
20.	EBL	410&NB	*	100	83	2.0	175	1770	37.80	1	3
22.	EBT	410&NB	*	100	16	2.0	1824	1770	37.80	1	3
29.	WBALL	410&NB	*	100	58	2.0	1780	1667	37.80	1	3
33.	NBALL	410&NB	*	100	80	2.0	575	1672	37.80	1	3
44.	EBT	410BUS	*	100	9	2.0	34	1717	25.30	1	3
46.	EBT	410BUS	*	100	59	2.0	34	1717	25.30	1	3
49.	EBT	410BUS	*	110	16	2.0	34	1717	25.30	1	3
52.	WB	410BUS	*	110	20	2.0	34	1762	25.30	1	3
54.	WB	410BUS	*	110	22	2.0	34	1770	25.30	1	3
56.	WBALL	410BUS	*	110	58	2.0	34	1667	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339603.0	471404.0	5.0	*
2. SE 82S	*	339596.0	471332.0	5.0	*
3. SE 164S	*	339585.0	471250.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339669.0	471404.0	5.0	*
8. SE 164W	*	339751.0	471420.0	5.0	*
9. SE 256W	*	339829.0	471438.0	5.0	*
10. SE MIDW	*	340015.0	471522.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.4	.6	.4	.3	.3	.7	.6	.3	.4	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
5.	*	.5	.3	.5	.4	.1	.2	.7	.6	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.6	.5	.4	.2	.1	.1	.7	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.6	.4	.3	.2	.0	.1	.7	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.7	.4	.3	.1	.0	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.8	.4	.2	.1	.0	.0	.8	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.8	.4	.2	.1	.0	.0	.8	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.8	.3	.1	.0	.0	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.8	.4	.1	.0	.0	.0	.7	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.9	.5	.1	.0	.0	.0	.7	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.9	.4	.0	.0	.0	.0	.6	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.8	.3	.0	.0	.0	.0	.6	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.9	.2	.0	.0	.0	.0	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
65.	*	.8	.0	.0	.0	.0	.0	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
70.	*	.6	.0	.0	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.3	.3
80.	*	.4	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.4	.4
85.	*	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.1	.4	.3
90.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	.4	.3
95.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.4	.4	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.5	.3	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.1	.0	.0	.0	.0	.6	.3	.4
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.6	.3	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.2	.0	.0	.0	.0	.6	.3	.4
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.3	.0	.0	.0	.0	.7	.3	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.4	.1	.0	.0	.0	.8	.4	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.3	.2	.0	.0	.0	.8	.4	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.1	.0	.0	.0	.8	.4	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.1	.0	.0	.0	.9	.3	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.1	.1	.0	.0	1.0	.3	.3

150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.2	.1	.0	.0	.9	.3	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.2	.1	.0	.0	.9	.3	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.2	.1	.0	.0	.8	.3	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.1	.0	.0	.9	.3	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.1	.1	.0	.0	.9	.4	.3
175.	*	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.1	.2	.2	.3	.9	.4	.3
180.	*	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.7	.5	.3	.3	.2	.3	.9	.4	.4
185.	*	.4	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.8	.3	.3	.3	.4	.4	.9	.5	.4
190.	*	.5	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.9	.6	.4	.3	.5	.5	1.0	.5	.4
195.	*	.6	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.0	.6	.6	.5	.5	.5	1.1	.7	.3
200.	*	.8	.4	.3	.3	.2	.1	.1	.1	.0	.0	.0	1.0	.7	.7	.5	.5	.7	1.1	.8	.4
205.	*	.9	.5	.4	.4	.3	.1	.2	.1	.1	.0	.0	.8	.7	.7	.6	.5	.5	1.3	.9	.4

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JOB: S14 MD410&NB 295 HBRT PM

RUN: S14 MD410&NB 295 HBRT PM

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WIND * CONCENTRATION																					
ANGLE * (PPM)																					
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	1.0	.5	.4	.4	.3	.2	.3	.2	.1	.0	.0	.8	.5	.6	.6	.6	.5	1.3	1.0	.5
215.	*	1.0	.6	.4	.4	.4	.2	.4	.2	.2	.1	.0	.7	.5	.6	.4	.3	.4	1.3	1.1	.6
220.	*	1.0	.6	.4	.4	.4	.2	.4	.2	.2	.1	.1	.7	.5	.6	.5	.3	.4	1.4	1.1	.6
225.	*	1.0	.6	.4	.4	.4	.3	.4	.2	.2	.2	.1	.7	.5	.5	.4	.3	.5	1.3	1.1	.9
230.	*	1.0	.7	.4	.4	.4	.3	.5	.3	.2	.2	.2	.7	.5	.5	.3	.4	.5	1.3	1.1	.9
235.	*	1.0	.7	.4	.4	.4	.3	.5	.3	.2	.2	.4	.7	.5	.6	.4	.4	.4	1.1	1.2	.8
240.	*	.9	.8	.4	.4	.4	.4	.5	.3	.3	.3	.4	.7	.5	.5	.5	.4	.3	1.0	1.1	.7
245.	*	.9	.8	.4	.4	.4	.4	.5	.3	.3	.3	.4	.6	.6	.4	.4	.4	.3	.9	1.1	.7
250.	*	.9	.9	.4	.4	.4	.4	.5	.3	.3	.4	.3	.7	.6	.4	.4	.4	.3	.8	.9	.6
255.	*	.9	.9	.4	.4	.4	.4	.5	.5	.6	.6	.3	.7	.6	.4	.4	.3	.3	.8	.7	.7
260.	*	.9	1.0	.4	.4	.4	.4	.6	.6	.8	.6	.2	.7	.5	.4	.4	.3	.3	.7	.8	.6
265.	*	1.0	1.1	.4	.4	.4	.4	.6	.6	.8	.6	.2	.7	.4	.4	.3	.3	.3	.7	.6	.5
270.	*	1.0	1.1	.5	.4	.4	.4	.8	.8	.9	.7	.2	.5	.4	.3	.3	.3	.3	.5	.5	.3
275.	*	1.1	1.2	.5	.5	.4	.4	.9	.8	1.2	.7	.3	.5	.3	.3	.3	.3	.3	.4	.3	.2
280.	*	1.0	1.2	.5	.5	.4	.4	.8	1.1	1.2	.5	.3	.4	.3	.3	.3	.3	.3	.2	.2	.3
285.	*	1.1	1.2	.5	.5	.5	.4	.7	1.0	1.2	.6	.2	.3	.3	.3	.3	.3	.3	.2	.3	.2
290.	*	.9	1.2	.7	.5	.5	.4	.7	1.1	1.1	.6	.2	.3	.3	.3	.3	.3	.3	.2	.3	.2
295.	*	1.0	1.3	.6	.5	.5	.4	.6	1.1	.9	.6	.1	.3	.3	.3	.3	.3	.3	.2	.2	.2
300.	*	.9	1.3	.5	.6	.5	.5	.7	1.0	.8	.5	.1	.3	.4	.3	.3	.3	.3	.2	.2	.2
305.	*	.8	1.3	.5	.4	.5	.5	.8	1.2	.8	.5	.1	.3	.3	.3	.3	.3	.3	.2	.2	.2
310.	*	.8	1.3	.6	.5	.5	.5	.7	1.2	.7	.5	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
315.	*	.8	1.3	.7	.5	.4	.5	.9	1.1	.7	.4	.0	.3	.3	.3	.3	.4	.2	.3	.2	.2
320.	*	1.0	1.3	.7	.5	.5	.4	.8	1.2	.6	.4	.0	.5	.4	.3	.4	.5	.3	.3	.2	.2
325.	*	.8	1.3	.8	.5	.5	.4	.9	1.2	.5	.4	.0	.4	.4	.4	.5	.5	.3	.3	.2	.1
330.	*	.8	1.4	.8	.5	.4	.4	.8	1.2	.4	.3	.0	.4	.4	.4	.4	.3	.2	.3	.1	.1
335.	*	.7	1.1	1.0	.7	.4	.5	1.0	.8	.4	.3	.0	.4	.4	.4	.3	.3	.2	.2	.1	.1
340.	*	.7	1.2	.8	.7	.4	.4	.9	.9	.4	.3	.0	.3	.3	.3	.3	.3	.2	.1	.1	.0
345.	*	.7	1.0	.8	.5	.5	.4	.8	.9	.3	.3	.0	.3	.3	.3	.3	.2	.1	.1	.1	.0
350.	*	.7	.7	.7	.4	.5	.4	.8	.7	.4	.3	.0	.3	.2	.2	.2	.2	.1	.1	.0	.0
355.	*	.5	.7	.5	.4	.3	.4	.8	.7	.4	.3	.0	.2	.2	.2	.2	.2	.0	.0	.0	.0
360.	*	.6	.4	.6	.4	.3	.3	.7	.6	.3	.4	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
MAX	*	1.1	1.4	1.0	.7	.5	.5	1.0	1.2	1.2	.7	.4	1.1	.7	.7	.6	.6	.7	1.4	1.2	.9
DEGR.	*	285	330	335	335	285	300	335	305	275	270	235	115	200	200	205	210	200	220	235	225

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JOB: S14 MD410&NB 295 HBRT PM

RUN: S14 MD410&NB 295 HBRT PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION	
ANGLE * (PPM)	
(DEGR)*	REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.0	.0
45.	*	.1	.0
50.	*	.1	.0
55.	*	.1	.0
60.	*	.1	.0
65.	*	.2	.0
70.	*	.3	.0
75.	*	.3	.0
80.	*	.3	.0
85.	*	.3	.0
90.	*	.3	.0
95.	*	.3	.0
100.	*	.3	.0
105.	*	.3	.0

110.	*	.4	.0
115.	*	.4	.0
120.	*	.4	.0
125.	*	.3	.0
130.	*	.3	.0
135.	*	.3	.0
140.	*	.3	.0
145.	*	.3	.0
150.	*	.3	.0
155.	*	.3	.0
160.	*	.3	.0
165.	*	.3	.0
170.	*	.3	.0
175.	*	.3	.0
180.	*	.3	.0
185.	*	.3	.1
190.	*	.4	.1
195.	*	.4	.2
200.	*	.5	.2
205.	*	.4	.2

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JOB: S14 MD410&NB 295 HBRT PM

RUN: S14 MD410&NB 295 HBRT PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.4	.2
215.	*	.4	.3
220.	*	.5	.2
225.	*	.7	.2
230.	*	.5	.2
235.	*	.5	.1
240.	*	.5	.1
245.	*	.3	.1
250.	*	.3	.1
255.	*	.3	.1
260.	*	.2	.0
265.	*	.3	.1
270.	*	.1	.2
275.	*	.2	.2
280.	*	.2	.2
285.	*	.2	.2
290.	*	.2	.2
295.	*	.2	.1
300.	*	.2	.1
305.	*	.2	.1
310.	*	.2	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.1	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .7 .3

DEGR. \* 225 215

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 330 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 220 DEGREES FROM REC18 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 305 DEGREES FROM REC8 .

S14 MD410&SB 295 LLRT AM			60.0321.0.0000.000220.30480000	1	1
SE COR	339620.	471349.	5.0		
SE 82S	339611.	471314.	5.0		
SE 164S	339600.	471245.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339674.	471338.	5.0		
SE 164W	339777.	471350.	5.0		
SE 256W	339850.	471393.	5.0		
SE MIDW	340028.	471495.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&SB 295 LLRT AM			47 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	2750 5.3 0. 44	65	
1					
NB	I295	AG339464.471638.339385.470489.	2750 5.3 0. 44	65	
1					
SB	I295	AG339230.470499.339198.471395.	4150 4.6 0. 44	65	
1					
SB	I295	AG339198.471395.339198.472460.	4150 4.6 0. 44	65	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	25 3.7 0. 32	23	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	25 3.7 0. 32	23	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	101	2.0 25 37.8 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	1270 4.0 0. 44	19	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	1270 3.7 0. 44	23	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	14	2.0 1270 37.8 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	1975 4.0 0. 44	19	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	1975 4.0 0. 44	19	
1					
WB	64th Ave	AG338591.471461.338706.471469.	1900 4.0 0. 44	19	
1					
WB	64th Ave	AG338706.471469.339066.471484.	1900 4.0 0. 44	19	
1					
SBR	410&SB	AG339068.471452.339082.472350.	280 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	83	2.0 280 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	90 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	83	2.0 90 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	450 3.5 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	1360 3.7 0. 56	23	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	67	2.0 1360 37.8 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	1360 3.7 0. 56	23	
1					
EBL	295NB	AG339581.471452.339143.471446.	275 4.0 0. 32	19	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	83	2.0 275 37.8 1770 1 3			
1					
EBL	295NB	AG339143.471446.339056.471456.	275 4.0 0. 32	19	
1					
EBT	295NB	AG339578.471436.339180.471430.	1015 4.0 0. 44	19	
2					
EBT	295NB	AG339500.471435.339323.471432.	0. 24 2		
110	18	2.0 1015 37.8 1770 1 3			
1					
EBT	295NB	AG339180.471430.339062.471437.	1015 4.0 0. 44	19	
1					
WBL	295SB	AG339071.471466.339146.471457.	280 3.7 0. 32	23	
1					
WBL	295SB	AG339146.471457.339571.471464.	280 3.7 0. 32	23	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	83	2.0 280 37.8 1770 1 3			
1					



WBT	295SB	AG339084.471480.339143.471474.	1705 3.7 0. 44	23
1				
WBT	295SB	AG339143.471474.339575.471481.	1705 3.7 0. 44	23
2				
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2	
110	25	2.0 1705 37.8 1770 1 3		
1				
WBALL	295NB	AG339581.471480.339720.471488.	1925 3.6 0. 68	25
2				
WBALL	295NB	AG339627.471482.339714.471487.	0. 48 4	
110	59	2.0 1925 37.8 1667 1 3		
1				
WBALL	295NB	AG339720.471488.339889.471538.	1925 3.6 0. 68	25
1				
WBALL	295NB	AG339888.471539.340002.471605.	1925 3.6 0. 56	25
1				
WBALL	295NB	AG340002.471605.340116.471683.	1925 3.6 0. 56	25
1				
EBDP	295NB	AG340120.471663.340029.471583.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG340029.471583.339905.471508.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339905.471508.339789.471462.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339789.471462.339706.471443.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339706.471443.339581.471435.	1075 4.0 0. 44	19
1				
NBALL	410&NB	AG339573.471458.339493.470454.	385 3.5 0. 56	35
2				
NBALL	410&NB	AG339569.471399.339547.471137.	0. 36 3	
110	90	2.0 385 37.8 1672 1 3		
1				
NBDP	410&NB	AG339513.472452.339593.471471.	550 3.5 0. 32	35
1.0	04 1000 0Y 5 0 72			

JOB: S14 MD410&SB 295 LLRT AM  
DATE: 10/23/2007 TIME: 14:07:25.18

RUN: S14 MD410&SB 295 LLRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	2750.	5.3	.0	44.0		
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	2750.	5.3	.0	44.0		
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4150.	4.6	.0	44.0		
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4150.	4.6	.0	44.0		
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	25.	3.7	.0	32.0		
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	25.	3.7	.0	32.0		
7. EBL	64th Ave	* 338503.0	471433.0	338489.2	471432.6	*	14.	267. AG	93.	100.0	.0	12.0	.31	.7
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	1270.	4.0	.0	44.0		
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	1270.	3.7	.0	44.0		
10. EBT	64th Ave	* 338497.0	471414.0	338448.4	471413.0	*	49.	269. AG	26.	100.0	.0	24.0	.43	2.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	1975.	4.0	.0	44.0		
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	1975.	4.0	.0	44.0		
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	1900.	4.0	.0	44.0		
14. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	1900.	4.0	.0	44.0		
15. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	280.	3.5	.0	32.0		
16. SBR	410&SB	* 339068.0	471501.0	339070.2	471649.5	*	149.	1. AG	77.	100.0	.0	12.0	.85	7.5
17. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	90.	3.5	.0	44.0		
18. SBL	410&SB	* 339094.0	471500.0	339094.0	471520.4	*	20.	360. AG	153.	100.0	.0	24.0	.13	1.0
19. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	450.	3.5	.0	32.0		
20. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	1360.	3.7	.0	56.0		
21. EB	295SB	* 339025.0	471433.0	338859.1	471428.9	*	166.	269. AG	185.	100.0	.0	36.0	.75	8.4
22. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	1360.	3.7	.0	56.0		
23. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	275.	4.0	.0	32.0		
24. EBL	295NB	* 339502.0	471451.0	339372.2	471448.8	*	130.	269. AG	77.	100.0	.0	12.0	.74	6.6
25. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	275.	4.0	.0	32.0		
26. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1015.	4.0	.0	44.0		
27. EBT	295NB	* 339500.0	471435.0	339450.1	471434.1	*	50.	270. AG	33.	100.0	.0	24.0	.36	2.5
28. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1015.	4.0	.0	44.0		
29. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	280.	3.7	.0	32.0		
30. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	280.	3.7	.0	32.0		
31. WBL	295SB	* 339155.0	471458.0	339288.5	471459.2	*	134.	89. AG	77.	100.0	.0	12.0	.76	6.8
32. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1705.	3.7	.0	44.0		
33. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1705.	3.7	.0	44.0		
34. WBT	295SB	* 339164.0	471475.0	339280.5	471476.5	*	116.	90. AG	46.	100.0	.0	24.0	.65	5.9
35. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	1925.	3.6	.0	68.0		
36. WBALL	295NB	* 339627.0	471482.0	339781.9	471490.9	*	155.	87. AG	218.	100.0	.0	48.0	.68	7.9
37. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	1925.	3.6	.0	68.0		
38. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	1925.	3.6	.0	56.0		
39. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	1925.	3.6	.0	56.0		
40. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	1075.	4.0	.0	44.0		
41. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	1075.	4.0	.0	44.0		
42. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	1075.	4.0	.0	44.0		
43. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	1075.	4.0	.0	44.0		
44. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	1075.	4.0	.0	44.0		

JOB: S14 MD410&SB 295 LLRT AM  
DATE: 10/23/2007 TIME: 14:07:25.18

RUN: S14 MD410&SB 295 LLRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	385.	3.5	.0	56.0		
46. NBALL	410&NB	* 339569.0	471399.0	339563.7	471336.3	*	63.	185. AG	249.	100.0	.0	36.0	.53	3.2
47. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	550.	3.5	.0	32.0		

JOB: S14 MD410&SB 295 LLRT AM  
DATE: 10/23/2007 TIME: 14:07:25.18

RUN: S14 MD410&SB 295 LLRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	101	2.0	25	1770	37.80	1	3
10. EBT	64th Ave	* 110	14	2.0	1270	1770	37.80	1	3
16. SBR	410&SB	* 110	83	2.0	280	1583	37.80	1	3
18. SBL	410&SB	* 110	83	2.0	90	1717	37.80	1	3
21. EB	295SB	* 110	67	2.0	1360	1695	37.80	1	3
24. EBL	295NB	* 110	83	2.0	275	1770	37.80	1	3
27. EBT	295NB	* 110	18	2.0	1015	1770	37.80	1	3
31. WBL	295SB	* 110	83	2.0	280	1770	37.80	1	3
34. WBT	295SB	* 110	25	2.0	1705	1770	37.80	1	3
36. WBALL	295NB	* 110	59	2.0	1925	1667	37.80	1	3
46. NBALL	410&NB	* 110	90	2.0	385	1672	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339620.0	471349.0	5.0	*
2. SE 82S	*	339611.0	471314.0	5.0	*
3. SE 164S	*	339600.0	471245.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339674.0	471338.0	5.0	*
8. SE 164W	*	339777.0	471350.0	5.0	*
9. SE 256W	*	339850.0	471393.0	5.0	*
10. SE MIDW	*	340028.0	471495.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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JOB: S14 MD410&SB 295 LLRT AM

RUN: S14 MD410&SB 295 LLRT AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.4	.3	.3	.3	.2	.4	.2	.2	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0
5.	*	.3	.2	.2	.2	.1	.2	.3	.2	.2	.1	.0	.1	.1	.0	.1	.1	.0	.0	.0
10.	*	.4	.2	.2	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.4	.3	.1	.1	.0	.0	.2	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.3	.1	.1	.0	.0	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.4	.3	.1	.1	.0	.0	.3	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.4	.2	.1	.1	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.3	.2	.1	.1	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.3	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.3	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.2	.2
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.3	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.3	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	.3	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.6	.2	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.7	.2	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.8	.2	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.7	.3	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.0	.0	.0	.0	.8	.3	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.0	.0	.0	.0	.8	.3	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.8	.4	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.9	.4	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.1	.0	.0	.0	1.0	.4	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.1	.1	.0	.0	1.0	.4	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.0	.9	.5	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.0	.8	.4	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.0	.0	.8	.5	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.8	.5	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.2	.1	.8	.6	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.2	.1	.1	.9	.7	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.2	.2	.2	.9	.7	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	.2	.2	.3	.9	.8	.3
185.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.5	.4	.3	.2	.2	.3	.9	.8	.3
190.	*	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.5	.4	.3	.3	.4	.5	1.0	.8	.3
195.	*	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.5	.4	.4	.4	.4	.5	1.0	.8	.3
200.	*	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.7	.6	.4	.4	.4	.5	1.1	.9	.3
205.	*	.2	.2	.3	.4	.2	.1	.1	.1	.0	.0	.6	.6	.5	.4	.5	.4	1.1	.8	.4

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JOB: S14 MD410&SB 295 LLRT AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
-------------------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

210.	*	.3	.3	.3	.4	.2	.2	.2	.1	.1	.0	.0	.7	.5	.5	.4	.5	.4	1.1	1.0	.4
215.	*	.3	.3	.3	.4	.4	.2	.2	.2	.1	.0	.0	.8	.5	.5	.4	.4	.4	1.1	1.0	.6
220.	*	.3	.3	.3	.4	.4	.2	.2	.2	.2	.1	.0	.7	.5	.5	.4	.4	.4	1.1	1.0	.6
225.	*	.3	.3	.3	.4	.4	.2	.2	.2	.2	.1	.0	.7	.5	.5	.4	.4	.4	1.0	1.0	.7
230.	*	.3	.3	.3	.3	.3	.1	.2	.2	.2	.2	.1	.7	.5	.5	.4	.4	.4	.9	1.0	.7
235.	*	.3	.2	.3	.3	.3	.2	.2	.2	.2	.2	.1	.7	.5	.6	.4	.4	.4	.8	1.0	.8
240.	*	.3	.2	.3	.3	.3	.2	.2	.2	.2	.2	.3	.8	.5	.4	.3	.4	.4	.9	.9	.8
245.	*	.3	.2	.2	.3	.3	.2	.2	.2	.2	.2	.3	.8	.6	.3	.3	.4	.4	.9	.8	.7
250.	*	.4	.2	.2	.3	.3	.2	.2	.2	.2	.2	.3	.8	.5	.4	.4	.4	.4	.8	.8	.5
255.	*	.4	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.7	.5	.4	.4	.4	.4	.7	.7	.6
260.	*	.5	.2	.2	.3	.3	.3	.3	.3	.2	.2	.5	.5	.4	.4	.4	.4	.4	.5	.6	.4
265.	*	.5	.2	.2	.3	.3	.3	.3	.3	.2	.3	.1	.6	.4	.4	.4	.4	.4	.5	.5	.3
270.	*	.6	.2	.2	.3	.3	.3	.4	.3	.2	.3	.1	.5	.3	.3	.4	.4	.4	.4	.5	.2
275.	*	.6	.3	.2	.3	.3	.3	.4	.2	.2	.3	.2	.5	.3	.3	.4	.4	.4	.4	.2	.2
280.	*	.6	.3	.2	.3	.3	.3	.4	.3	.3	.4	.2	.4	.3	.4	.4	.4	.4	.3	.2	.1
285.	*	.8	.4	.2	.3	.3	.3	.4	.4	.3	.4	.1	.3	.4	.4	.4	.4	.4	.2	.2	.2
290.	*	.8	.4	.2	.2	.3	.3	.6	.4	.5	.4	.1	.3	.4	.4	.4	.4	.4	.2	.2	.2
295.	*	.8	.6	.2	.3	.3	.3	.6	.3	.5	.3	.0	.3	.4	.4	.4	.4	.4	.2	.2	.2
300.	*	.8	.7	.2	.4	.3	.3	.6	.3	.4	.4	.0	.3	.3	.4	.4	.4	.4	.3	.2	.2
305.	*	.8	.7	.2	.3	.3	.3	.4	.4	.4	.4	.0	.4	.3	.4	.4	.4	.4	.2	.2	.2
310.	*	.7	.8	.2	.3	.3	.3	.4	.4	.5	.4	.0	.4	.4	.4	.4	.4	.3	.2	.2	.2
315.	*	.7	.8	.3	.3	.3	.3	.4	.5	.5	.3	.0	.4	.4	.4	.4	.4	.3	.2	.2	.2
320.	*	.6	.7	.4	.3	.4	.3	.3	.5	.5	.3	.0	.3	.4	.4	.4	.4	.3	.2	.2	.2
325.	*	.6	.7	.3	.4	.5	.4	.3	.5	.5	.2	.0	.4	.4	.4	.4	.4	.2	.2	.2	.1
330.	*	.5	.7	.3	.4	.4	.4	.4	.5	.4	.2	.0	.4	.4	.4	.4	.3	.2	.2	.1	.1
335.	*	.4	.7	.5	.4	.4	.5	.5	.3	.4	.2	.0	.4	.4	.4	.3	.3	.2	.1	.1	.1
340.	*	.2	.5	.5	.5	.4	.4	.4	.3	.3	.2	.0	.3	.3	.3	.3	.2	.1	.1	.1	.0
345.	*	.1	.3	.5	.5	.4	.4	.4	.4	.2	.2	.0	.3	.2	.2	.2	.2	.1	.1	.0	.0
350.	*	.4	.2	.3	.4	.4	.4	.5	.3	.2	.2	.0	.2	.2	.2	.2	.2	.1	.1	.0	.0
355.	*	.4	.3	.3	.4	.3	.2	.5	.3	.2	.1	.0	.2	.2	.2	.2	.2	.1	.0	.0	.0
360.	*	.4	.4	.3	.3	.3	.2	.4	.2	.2	.1	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0
-----*																					
MAX	*	.8	.8	.5	.5	.5	.5	.6	.5	.5	.4	.3	.9	.6	.6	.4	.5	.5	1.1	1.0	.8
DEGR.	*	285	310	335	340	325	335	290	315	290	280	240	110	200	235	195	205	190	200	210	235

1

JOB: S14 MD410&SB 295 LLRT AM

RUN: S14 MD410&SB 295 LLRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

-----*		
0.	*	.0
5.	*	.0
10.	*	.0
15.	*	.0
20.	*	.0
25.	*	.0
30.	*	.0
35.	*	.0
40.	*	.0
45.	*	.0
50.	*	.0
55.	*	.1
60.	*	.1
65.	*	.1
70.	*	.1
75.	*	.1
80.	*	.1
85.	*	.2
90.	*	.2
95.	*	.3
100.	*	.3
105.	*	.3
110.	*	.2
115.	*	.2
120.	*	.2
125.	*	.1
130.	*	.2
135.	*	.3
140.	*	.3
145.	*	.3
150.	*	.3
155.	*	.3
160.	*	.3
165.	*	.3
170.	*	.3
175.	*	.3
180.	*	.3
185.	*	.3
190.	*	.3
195.	*	.1
200.	*	.2

205. \* .2 .1  
1

JOB: S14 MD410&SB 295 LLRT AM

RUN: S14 MD410&SB 295 LLRT AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

-----\*-----  
210. \* .4 .1  
215. \* .4 .1  
220. \* .5 .2  
225. \* .5 .2  
230. \* .5 .1  
235. \* .5 .2  
240. \* .4 .1  
245. \* .3 .0  
250. \* .3 .0  
255. \* .2 .0  
260. \* .2 .0  
265. \* .1 .1  
270. \* .1 .1  
275. \* .1 .1  
280. \* .2 .2  
285. \* .2 .2  
290. \* .2 .2  
295. \* .2 .1  
300. \* .2 .0  
305. \* .2 .0  
310. \* .2 .0  
315. \* .1 .0  
320. \* .1 .0  
325. \* .0 .0  
330. \* .0 .0  
335. \* .0 .0  
340. \* .0 .0  
345. \* .0 .0  
350. \* .0 .0  
355. \* .0 .0  
360. \* .0 .0  
-----\*-----

MAX \* .5 .2  
DEGR. \* 220 220

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 200 DEGREES FROM REC18.  
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 210 DEGREES FROM REC19.  
THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 110 DEGREES FROM REC12.

S14 MD410&NB 295 LLRT PM		60.0321.0.0000.000220.30480000		1	1
SE COR	339620.	471349.	5.0		
SE 82S	339611.	471314.	5.0		
SE 164S	339600.	471245.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339674.	471338.	5.0		
SE 164W	339777.	471350.	5.0		
SE 256W	339850.	471393.	5.0		
SE MIDW	340028.	471495.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 LLRT PM	48	1	0		
NB 1 I295	AG339429.472419.339464.471638.	4350	4.3	0.	44 50
NB 1 I295	AG339464.471638.339385.470489.	4350	4.3	0.	44 50
SB 1 I295	AG339230.470499.339198.471395.	4000	4.8	0.	44 58
SB 1 I295	AG339198.471395.339198.472460.	4000	4.8	0.	44 58
EBL 1 64th Ave	AG338592.471443.338510.471433.	90	3.9	0.	32 20
EBL 2 64th Ave	AG338510.471433.338141.471423.	90	3.9	0.	32 23
EBL 100 64th Ave	AG338503.471433.338403.471430.	0.	12	1	
EBT 1 64th Ave	AG338595.471423.338510.471415.	2040	3.9	0.	44 19
EBT 2 64th Ave	AG338510.471415.338143.471405.	2040	3.9	0.	44 23
EBT 100 64th Ave	AG338497.471414.338348.471411.	0.	24	2	
WBDP 1 64th Ave	AG338142.471443.338498.471451.	1980	4.0	0.	44 19
WBDP 1 64th Ave	AG338498.471451.338590.471461.	1980	4.0	0.	44 19
WB 2 64th Ave	AG338591.471461.338706.471469.	1920	4.0	0.	44 19
WB 100 64th Ave	AG338639.471464.338700.471469.	0.	24	2	
WB 1 64th Ave	AG338706.471469.339066.471484.	1920	4.0	0.	44 19
SBR 2 410&SB	AG339068.471452.339082.472350.	350	3.5	0.	32 35
SBR 100 410&SB	AG339068.471501.339070.471636.	0.	12	1	
SBL 1 410&SB	AG339094.471448.339094.472358.	200	3.5	0.	44 35
SBL 2 410&SB	AG339094.471500.339094.471604.	0.	24	2	
SBDP 1 410&SB	AG339141.470530.339087.471449.	650	3.5	0.	32 35
EB 1 295SB	AG339055.471434.338680.471425.	2115	3.9	0.	56 23
EB 2 295SB	AG339025.471433.338903.471430.	0.	36	3	
EB 100 295SB	AG338680.471425.338592.471416.	2115	3.9	0.	56 23
WBL 1 295SB	AG339071.471466.339146.471457.	305	4.0	0.	32 23
WBL 2 295SB	AG339146.471457.339571.471464.	305	4.0	0.	32 23
WBL 100 295SB	AG339155.471458.339271.471459.	0.	12	1	
WBT 1 295SB	AG339084.471480.339143.471474.	1670	4.0	0.	44 23
WBT 2 295SB	AG339143.471474.339575.471481.	1670	4.0	0.	44 23
WBT 100 295SB	AG339164.471475.339313.471477.	0.	24	2	
WBALL 1 295NB	AG339581.471480.339720.471488.	1780	3.6	0.	68 25
WBALL 2 295NB	AG339627.471482.339714.471487.	0.	48	4	

[illegible]

JOB: S14 MD410&NB 295 LLRT PM  
DATE: 10/23/2007 TIME: 15:59:50.42

RUN: S14 MD410&NB 295 LLRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4350.	4.3	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4350.	4.3	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4000.	4.8	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4000.	4.8	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	90.	3.9	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	90.	3.9	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338457.0	471431.6	*	46.	268. AG	89.	100.0	.0	12.0	.64 2.3
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	2040.	3.9	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	2040.	3.9	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338446.8	471413.0	*	50.	269. AG	18.	100.0	.0	24.0	.66 2.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	1980.	4.0	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	1980.	4.0	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	1920.	4.0	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338743.6	471472.5	*	105.	85. AG	41.	100.0	.0	24.0	.72 5.3
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	1920.	4.0	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	350.	3.5	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339076.5	472077.0	*	576.	1. AG	77.	100.0	.0	12.0	1.11 29.3
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	200.	3.5	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471541.6	*	42.	360. AG	154.	100.0	.0	24.0	.29 2.1
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	650.	3.5	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	2115.	3.9	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	337893.1	471405.0	*	1132.	269. AG	179.	100.0	.0	36.0	1.12 57.5
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	2115.	3.9	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	305.	4.0	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	305.	4.0	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339322.7	471459.4	*	168.	90. AG	78.	100.0	.0	12.0	.91 8.5
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1670.	4.0	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1670.	4.0	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339255.3	471476.2	*	91.	89. AG	41.	100.0	.0	24.0	.62 4.6
30. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	1780.	3.6	.0	68.0	
31. WBALL	295NB	* 339627.0	471482.0	339767.9	471490.1	*	141.	87. AG	235.	100.0	.0	48.0	.70 7.2
32. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	1780.	3.6	.0	68.0	
33. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	1780.	3.6	.0	56.0	
34. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	1780.	3.6	.0	56.0	
35. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	175.	3.6	.0	32.0	
36. EBL	295NB	* 339502.0	471451.0	339413.3	471449.5	*	89.	269. AG	84.	100.0	.0	12.0	.76 4.5
37. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	175.	3.6	.0	32.0	
38. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1800.	3.6	.0	44.0	
39. EBT	295NB	* 339500.0	471435.0	339411.5	471433.5	*	89.	269. AG	37.	100.0	.0	24.0	.65 4.5
40. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1800.	3.6	.0	44.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	2040.	4.0	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	2040.	4.0	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	2040.	4.0	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	2040.	4.0	.0	44.0	

JOB: S14 MD410&NB 295 LLRT PM  
DATE: 10/23/2007 TIME: 15:59:50.42

RUN: S14 MD410&NB 295 LLRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	2040.	4.0	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	575.	3.5	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339561.7	471312.4	*	87.	185. AG	243.	100.0	.0	36.0	.69 4.4
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	325.	3.5	.0	32.0	

JOB: S14 MD410&NB 295 LLRT PM  
DATE: 10/23/2007 TIME: 15:59:50.42

RUN: S14 MD410&NB 295 LLRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 100	88	2.0	90	1770	37.80	1	3
10. EBT	64th Ave	* 100	9	2.0	2040	1770	37.80	1	3
14. WB	64th Ave	* 100	20	2.0	1920	1757	37.80	1	3
17. SBR	410&SB	* 100	76	2.0	350	1583	37.80	1	3
19. SBL	410&SB	* 100	76	2.0	200	1717	37.80	1	3
22. EB	295SB	* 100	59	2.0	2115	1695	37.80	1	3
26. WBL	295SB	* 100	77	2.0	305	1770	37.80	1	3
29. WBT	295SB	* 100	20	2.0	1670	1770	37.80	1	3
31. WBALL	295NB	* 100	58	2.0	1780	1667	37.80	1	3
36. EBL	295NB	* 100	83	2.0	175	1770	37.80	1	3



39. EBT	295NB	*	100	18	2.0	1800	1770	37.80	1	3
47. NBALL	410&NB	*	100	80	2.0	575	1723	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339620.0	471349.0	5.0	*
2. SE 82S	*	339611.0	471314.0	5.0	*
3. SE 164S	*	339600.0	471245.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339674.0	471338.0	5.0	*
8. SE 164W	*	339777.0	471350.0	5.0	*
9. SE 256W	*	339850.0	471393.0	5.0	*
10. SE MIDW	*	340028.0	471495.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

1

JOB: S14 MD410&NB 295 LLRT PM

RUN: S14 MD410&NB 295 LLRT PM

PAGE 4

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.4	.4	.4	.3	.3	.3	.4	.3	.2	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
5.	.4	.3	.3	.4	.1	.2	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	.4	.3	.3	.2	.1	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	.4	.4	.2	.2	.0	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	.4	.4	.2	.1	.0	.0	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	.4	.4	.1	.1	.0	.0	.4	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	.4	.3	.1	.1	.0	.0	.3	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	.3	.3	.1	.1	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	.4	.1	.1	.0	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	.5	.1	.0	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	.3	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
65.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
70.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1
75.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.2	.1
80.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.4	.2
85.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	.4	.2
90.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	.4	.3
95.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	.4	.3
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.1	.0	.0	.0	.0	.7	.4	.3
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.2	.0	.0	.0	.0	.8	.3	.3
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.2	.0	.0	.0	.0	.9	.3	.3
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.0	.0	.0	.0	1.0	.3	.3
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.0	.0	.0	.0	1.0	.3	.3
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.2	.1	.0	.0	.0	1.0	.3	.4
130.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.1	.0	.0	.0	1.0	.3	.3
135.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.1	.0	.0	.0	1.0	.3	.3
140.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.1	.1	.0	.0	1.0	.3	.2
145.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.0	1.0	.4	.3
150.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.2	.1	.0	.0	.9	.4	.3
155.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.0	1.0	.5	.3
160.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.1	.0	.0	1.0	.6	.3
165.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.1	.0	.9	.5	.3
170.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.9	.6	.3
175.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.2	.2	.3	.9	.6	.3
180.	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.5	.5	.3	.2	.2	.3	.9	.7	.3
185.	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.6	.4	.2	.3	.4	.4	.9	.7	.3
190.	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.7	.4	.4	.3	.5	.5	1.0	.8	.3
195.	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.8	.4	.5	.5	.5	.5	1.1	.9	.3
200.	.3	.3	.3	.3	.2	.1	.1	.1	.0	.0	.0	.9	.7	.5	.5	.5	.7	1.1	.9	.4
205.	.4	.4	.4	.4	.3	.1	.1	.1	.1	.0	.0	.6	.7	.6	.5	.5	.5	1.3	.9	.6

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JOB: S14 MD410&NB 295 LLRT PM

RUN: S14 MD410&NB 295 LLRT PM

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WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.4	.4	.4	.4	.3	.2	.3	.1	.1	.0	.0	.7	.5	.5	.5	.6	.5	1.3	1.3	.6
215.	.5	.4	.4	.4	.4	.2	.3	.2	.1	.1	.0	.7	.5	.6	.3	.3	.4	1.3	1.3	.6
220.	.5	.4	.4	.4	.4	.2	.3	.2	.2	.1	.1	.7	.5	.6	.4	.3	.4	1.2	1.2	.7
225.	.5	.4	.4	.4	.4	.3	.3	.2	.2	.1	.1	.6	.5	.4	.4	.3	.5	1.2	1.2	.8
230.	.6	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.6	.5	.4	.3	.4	.5	1.3	1.2	.9
235.	.5	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.6	.5	.5	.4	.4	.4	1.2	1.1	1.0
240.	.6	.4	.4	.4	.4	.4	.3	.2	.2	.2	.4	.7	.5	.4	.5	.4	.3	1.1	1.1	.7
245.	.6	.4	.4	.4	.4	.4	.3	.2	.2	.2	.4	.7	.6	.4	.4	.4	.3	1.0	1.0	.7
250.	.7	.4	.4	.4	.4	.4	.3	.2	.3	.2	.3	.8	.5	.4	.4	.4	.3	1.0	1.0	.5
255.	.7	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.8	.5	.4	.4	.3	.3	.9	.9	.7
260.	.7	.5	.4	.4	.4	.4	.4	.3	.3	.3	.2	.7	.5	.4	.4	.3	.3	.7	.8	.4
265.	.8	.6	.4	.4	.4	.4	.5	.4	.3	.5	.2	.7	.4	.4	.3	.3	.3	.7	.6	.4
270.	.9	.7	.5	.4	.4	.4	.5	.4	.3	.6	.2	.5	.4	.3	.3	.3	.3	.5	.5	.3
275.	1.0	.7	.5	.5	.4	.4	.5	.4	.6	.6	.2	.5	.3	.3	.3	.3	.3	.5	.3	.2
280.	1.0	.8	.5	.5	.4	.4	.6	.5	.6	.5	.3	.4	.3	.3	.3	.3	.3	.2	.2	.3
285.	1.1	.9	.5	.5	.4	.4	.7	.5	.5	.4	.2	.3	.3	.3	.3	.3	.3	.2	.3	.2
290.	.9	1.0	.5	.5	.5	.4	.6	.6	.7	.4	.2	.3	.3	.3	.3	.3	.3	.2	.3	.2
295.	.9	1.0	.4	.5	.5	.4	.6	.4	.6	.4	.1	.3	.3	.3	.3	.3	.3	.3	.2	.2
300.	.9	1.0	.4	.5	.5	.5	.6	.4	.6	.4	.1	.3	.4	.3	.3	.3	.3	.3	.2	.2
305.	.9	1.0	.5	.4	.5	.5	.5	.4	.5	.4	.1	.3	.3	.3	.3	.3	.3	.3	.2	.2
310.	.8	1.1	.6	.4	.5	.5	.5	.6	.6	.4	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
315.	.8	1.1	.7	.4	.4	.5	.5	.7	.7	.3	.0	.3	.3	.3	.3	.4	.2	.3	.2	.2
320.	.7	1.1	.8	.4	.5	.4	.4	.7	.7	.3	.0	.5	.4	.3	.4	.5	.3	.3	.2	.2
325.	.7	1.1	.8	.4	.5	.4	.4	.7	.5	.3	.0	.4	.4	.4	.5	.5	.3	.3	.2	.1
330.	.6	1.0	.8	.4	.4	.4	.5	.6	.4	.2	.0	.4	.4	.4	.4	.3	.2	.3	.1	.1
335.	.6	.8	.9	.6	.4	.5	.5	.4	.4	.2	.0	.4	.4	.4	.3	.3	.2	.2	.1	.1
340.	.5	.5	.7	.6	.4	.4	.4	.4	.3	.2	.0	.3	.3	.3	.3	.3	.2	.1	.1	.0
345.	.3	.5	.7	.5	.5	.4	.5	.5	.2	.2	.0	.3	.3	.3	.3	.2	.1	.1	.1	.0
350.	.4	.3	.6	.4	.5	.4	.5	.4	.2	.2	.0	.3	.2	.2	.2	.2	.1	.1	.0	.0
355.	.4	.4	.3	.4	.3	.4	.5	.3	.2	.3	.0	.2	.2	.2	.2	.2	.0	.0	.0	.0
360.	.4	.4	.4	.3	.3	.3	.4	.3	.2	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
MAX	1.1	1.1	.9	.6	.5	.5	.7	.7	.7	.6	.4	1.0	.7	.6	.5	.6	.7	1.3	1.3	1.0
DEGR.	285	310	335	335	290	300	285	315	290	270	240	105	200	205	195	210	200	205	210	235

1

JOB: S14 MD410&NB 295 LLRT PM

RUN: S14 MD410&NB 295 LLRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.0	.0
50.	.0	.0
55.	.1	.0
60.	.1	.0
65.	.1	.0
70.	.2	.0
75.	.2	.0
80.	.2	.0
85.	.2	.0
90.	.2	.0
95.	.3	.0
100.	.3	.0
105.	.3	.0
110.	.3	.0
115.	.4	.0
120.	.4	.0
125.	.2	.0
130.	.2	.0
135.	.2	.0
140.	.3	.0
145.	.3	.0
150.	.3	.0
155.	.3	.0
160.	.3	.0
165.	.3	.0
170.	.3	.0
175.	.3	.0
180.	.3	.0
185.	.3	.0
190.	.3	.2

```

195. *   .3   .2
200. *   .4   .2
205. *   .5   .2

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1

JOB: S14 MD410&NB 295 LLRT PM

RUN: S14 MD410&NB 295 LLRT PM

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WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

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-----*-----
210. *   .6   .2
215. *   .4   .3
220. *   .5   .2
225. *   .6   .2
230. *   .6   .1
235. *   .5   .1
240. *   .4   .1
245. *   .3   .1
250. *   .2   .1
255. *   .3   .0
260. *   .3   .0
265. *   .3   .1
270. *   .1   .2
275. *   .2   .2
280. *   .2   .2
285. *   .2   .2
290. *   .2   .2
295. *   .2   .1
300. *   .2   .1
305. *   .2   .1
310. *   .2   .0
315. *   .1   .0
320. *   .1   .0
325. *   .1   .0
330. *   .0   .0
335. *   .0   .0
340. *   .0   .0
345. *   .0   .0
350. *   .0   .0
355. *   .0   .0
360. *   .0   .0

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MAX *   .6   .3
DEGR. * 210 215

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THE HIGHEST CONCENTRATION IS 1.30 PPM AT 205 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 210 DEGREES FROM REC19.
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 285 DEGREES FROM REC1 .

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S14 MD410&SB 295 HLRT AM		60.0321.0.0000.000220.30480000	1	1
SE COR	339620.	471349.	5.0	
SE 82S	339611.	471314.	5.0	
SE 164S	339600.	471245.	5.0	
SE 256S	339580.	471166.	5.0	
SE MIDS	339561.	470937.	5.0	
SE MIDS	339540.	470686.	5.0	
SE 82W	339674.	471338.	5.0	
SE 164W	339777.	471350.	5.0	
SE 256W	339850.	471393.	5.0	
SE MIDW	340028.	471495.	5.0	
SE MIDW	340197.	471675.	5.0	
NE COR	339608.	471520.	5.0	
NE 82N	339602.	471584.	5.0	
NE 164N	339597.	471668.	5.0	
NE 256N	339589.	471748.	5.0	
NE MIDN	339569.	471982.	5.0	
NE MIDN	339549.	472234.	5.0	
NE 82E	339676.	471522.	5.0	
NE 164E	339759.	471538.	5.0	
NE 256E	339838.	471568.	5.0	
NE MIDE	339952.	471626.	5.0	
NE MIDE	340141.	471787.	5.0	
S14 MD410&SB 295 HLRT AM		47 1 0		
1				
NB	I295	AG339429.472419.339464.471638.	2750 5.3 0. 44	65
1				
NB	I295	AG339464.471638.339385.470489.	2750 5.3 0. 44	65
1				
SB	I295	AG339230.470499.339198.471395.	4150 4.6 0. 44	65
1				
SB	I295	AG339198.471395.339198.472460.	4150 4.6 0. 44	65
1				
EBL	64th Ave	AG338592.471443.338510.471433.	25 3.7 0. 32	23
1				
EBL	64th Ave	AG338510.471433.338141.471423.	25 3.7 0. 32	23
2				
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1	
110	101	2.0 25 37.8 1770 1 3		
1				
EBT	64th Ave	AG338595.471423.338510.471415.	1270 4.0 0. 44	19
1				
EBT	64th Ave	AG338510.471415.338143.471405.	1270 3.7 0. 44	23
2				
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2	
110	14	2.0 1270 37.8 1770 1 3		
1				
WBDP	64th Ave	AG338142.471443.338498.471451.	1975 4.0 0. 44	19
1				
WBDP	64th Ave	AG338498.471451.338590.471461.	1975 4.0 0. 44	19
1				
WB	64th Ave	AG338591.471461.338706.471469.	1900 4.0 0. 44	19
1				
WB	64th Ave	AG338706.471469.339066.471484.	1900 4.0 0. 44	19
1				
SBR	410&SB	AG339068.471452.339082.472350.	280 3.5 0. 32	35
2				
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1	
110	83	2.0 280 37.8 1583 1 3		
1				
SBL	410&SB	AG339094.471448.339094.472358.	90 3.5 0. 44	35
2				
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2	
110	83	2.0 90 37.8 1717 1 3		
1				
SBDP	410&SB	AG339141.470530.339087.471449.	450 3.5 0. 32	35
1				
EB	295SB	AG339055.471434.338680.471425.	1360 3.7 0. 56	23
2				
EB	295SB	AG339025.471433.338903.471430.	0. 36 3	
110	67	2.0 1360 37.8 1695 1 3		
1				
EB	295SB	AG338680.471425.338592.471416.	1360 3.7 0. 56	23
1				
EBL	295NB	AG339581.471452.339143.471446.	275 4.0 0. 32	19
2				
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1	
110	83	2.0 275 37.8 1770 1 3		
1				
EBL	295NB	AG339143.471446.339056.471456.	275 4.0 0. 32	19
1				
EBT	295NB	AG339578.471436.339180.471430.	1015 4.0 0. 44	19
2				
EBT	295NB	AG339500.471435.339323.471432.	0. 24 2	
110	18	2.0 1015 37.8 1770 1 3		
1				
EBT	295NB	AG339180.471430.339062.471437.	1015 4.0 0. 44	19
1				
WBL	295SB	AG339071.471466.339146.471457.	280 3.7 0. 32	23
1				
WBL	295SB	AG339146.471457.339571.471464.	280 3.7 0. 32	23
2				
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1	
110	83	2.0 280 37.8 1770 1 3		
1				

WBT	295SB	AG339084.471480.339143.471474.	1705 3.7 0. 44	23
1				
WBT	295SB	AG339143.471474.339575.471481.	1705 3.7 0. 44	23
2				
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2	
110	25	2.0 1705 37.8 1770 1 3		
1				
WBALL	295NB	AG339581.471480.339720.471488.	1925 3.6 0. 68	25
2				
WBALL	295NB	AG339627.471482.339714.471487.	0. 48 4	
110	59	2.0 1925 37.8 1667 1 3		
1				
WBALL	295NB	AG339720.471488.339889.471538.	1925 3.6 0. 68	25
1				
WBALL	295NB	AG339888.471539.340002.471605.	1925 3.6 0. 56	25
1				
WBALL	295NB	AG340002.471605.340116.471683.	1925 3.6 0. 56	25
1				
EBDP	295NB	AG340120.471663.340029.471583.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG340029.471583.339905.471508.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339905.471508.339789.471462.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339789.471462.339706.471443.	1075 4.0 0. 44	19
1				
EBDP	295NB	AG339706.471443.339581.471435.	1075 4.0 0. 44	19
1				
NBALL	410&NB	AG339573.471458.339493.470454.	385 3.5 0. 56	35
2				
NBALL	410&NB	AG339569.471399.339547.471137.	0. 36 3	
110	90	2.0 385 37.8 1672 1 3		
1				
NBDP	410&NB	AG339513.472452.339593.471471.	550 3.5 0. 32	35
1.0	04 1000 0Y 5 0 72			

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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	2750.	5.3	.0	44.0		
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	2750.	5.3	.0	44.0		
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4150.	4.6	.0	44.0		
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4150.	4.6	.0	44.0		
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	25.	3.7	.0	32.0		
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	25.	3.7	.0	32.0		
7. EBL	64th Ave	* 338503.0	471433.0	338489.2	471432.6	*	14.	267. AG	93.	100.0	.0	12.0	.31	.7
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	1270.	4.0	.0	44.0		
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	1270.	3.7	.0	44.0		
10. EBT	64th Ave	* 338497.0	471414.0	338448.4	471413.0	*	49.	269. AG	26.	100.0	.0	24.0	.43	2.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	1975.	4.0	.0	44.0		
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	1975.	4.0	.0	44.0		
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	1900.	4.0	.0	44.0		
14. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	1900.	4.0	.0	44.0		
15. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	280.	3.5	.0	32.0		
16. SBR	410&SB	* 339068.0	471501.0	339070.2	471649.5	*	149.	1. AG	77.	100.0	.0	12.0	.85	7.5
17. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	90.	3.5	.0	44.0		
18. SBL	410&SB	* 339094.0	471500.0	339094.0	471520.4	*	20.	360. AG	153.	100.0	.0	24.0	.13	1.0
19. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	450.	3.5	.0	32.0		
20. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	1360.	3.7	.0	56.0		
21. EB	295SB	* 339025.0	471433.0	338859.1	471428.9	*	166.	269. AG	185.	100.0	.0	36.0	.75	8.4
22. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	1360.	3.7	.0	56.0		
23. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	275.	4.0	.0	32.0		
24. EBL	295NB	* 339502.0	471451.0	339372.2	471448.8	*	130.	269. AG	77.	100.0	.0	12.0	.74	6.6
25. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	275.	4.0	.0	32.0		
26. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1015.	4.0	.0	44.0		
27. EBT	295NB	* 339500.0	471435.0	339450.1	471434.1	*	50.	270. AG	33.	100.0	.0	24.0	.36	2.5
28. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1015.	4.0	.0	44.0		
29. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	280.	3.7	.0	32.0		
30. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	280.	3.7	.0	32.0		
31. WBL	295SB	* 339155.0	471458.0	339288.5	471459.2	*	134.	89. AG	77.	100.0	.0	12.0	.76	6.8
32. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1705.	3.7	.0	44.0		
33. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1705.	3.7	.0	44.0		
34. WBT	295SB	* 339164.0	471475.0	339280.5	471476.5	*	116.	90. AG	46.	100.0	.0	24.0	.65	5.9
35. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	1925.	3.6	.0	68.0		
36. WBALL	295NB	* 339627.0	471482.0	339781.9	471490.9	*	155.	87. AG	218.	100.0	.0	48.0	.68	7.9
37. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	1925.	3.6	.0	68.0		
38. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	1925.	3.6	.0	56.0		
39. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	1925.	3.6	.0	56.0		
40. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	1075.	4.0	.0	44.0		
41. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	1075.	4.0	.0	44.0		
42. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	1075.	4.0	.0	44.0		
43. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	1075.	4.0	.0	44.0		
44. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	1075.	4.0	.0	44.0		

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RUN: S14 MD410&SB 295 HLRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	385.	3.5	.0	56.0		
46. NBALL	410&NB	* 339569.0	471399.0	339563.7	471336.3	*	63.	185. AG	249.	100.0	.0	36.0	.53	3.2
47. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	550.	3.5	.0	32.0		

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	101	2.0	25	1770	37.80	1	3
10. EBT	64th Ave	* 110	14	2.0	1270	1770	37.80	1	3
16. SBR	410&SB	* 110	83	2.0	280	1583	37.80	1	3
18. SBL	410&SB	* 110	83	2.0	90	1717	37.80	1	3
21. EB	295SB	* 110	67	2.0	1360	1695	37.80	1	3
24. EBL	295NB	* 110	83	2.0	275	1770	37.80	1	3
27. EBT	295NB	* 110	18	2.0	1015	1770	37.80	1	3
31. WBL	295SB	* 110	83	2.0	280	1770	37.80	1	3
34. WBT	295SB	* 110	25	2.0	1705	1770	37.80	1	3
36. WBALL	295NB	* 110	59	2.0	1925	1667	37.80	1	3
46. NBALL	410&NB	* 110	90	2.0	385	1672	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339620.0	471349.0	5.0	*
2. SE 82S	*	339611.0	471314.0	5.0	*
3. SE 164S	*	339600.0	471245.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339674.0	471338.0	5.0	*
8. SE 164W	*	339777.0	471350.0	5.0	*
9. SE 256W	*	339850.0	471393.0	5.0	*
10. SE MIDW	*	340028.0	471495.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.4	.3	.3	.3	.2	.4	.2	.2	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0
5.	*	.3	.2	.2	.2	.1	.2	.3	.2	.2	.1	.0	.1	.1	.0	.1	.1	.0	.0	.0
10.	*	.4	.2	.2	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.4	.3	.1	.1	.0	.0	.2	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.3	.1	.1	.0	.0	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.4	.3	.1	.1	.0	.0	.3	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.4	.2	.1	.1	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.3	.2	.1	.1	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.3	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.3	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.2	.2
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.3	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.3	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	.3	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.6	.2	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.7	.2	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.8	.2	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.7	.3	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.0	.0	.0	.0	.8	.3	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.0	.0	.0	.0	.8	.3	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.8	.4	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.9	.4	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.1	.0	.0	.0	1.0	.4	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.1	.1	.0	.0	1.0	.4	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.0	.9	.5	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.0	.8	.4	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.0	.0	.8	.5	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.8	.5	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.2	.1	.8	.6	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.2	.1	.1	.9	.7	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.2	.2	.2	.9	.7	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	.2	.2	.3	.9	.8	.3
185.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.5	.4	.3	.2	.2	.3	.9	.8	.3
190.	*	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.5	.4	.3	.3	.4	.5	1.0	.8	.3
195.	*	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.5	.4	.4	.4	.4	.5	1.0	.8	.3
200.	*	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.7	.6	.4	.4	.4	.5	1.1	.9	.3
205.	*	.2	.2	.3	.4	.2	.1	.1	.1	.0	.0	.6	.6	.5	.4	.5	.4	1.1	.8	.4

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JOB: S14 MD410&SB 295 HLRT AM

RUN: S14 MD410&SB 295 HLRT AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
-------------------	------	------	------	------	------	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

-----*																					
210.	*	.3	.3	.3	.4	.2	.2	.2	.1	.1	.0	.0	.7	.5	.5	.4	.5	.4	1.1	1.0	.4
215.	*	.3	.3	.3	.4	.4	.2	.2	.2	.1	.0	.0	.8	.5	.5	.4	.4	.4	1.1	1.0	.6
220.	*	.3	.3	.3	.4	.4	.2	.2	.2	.2	.1	.0	.7	.5	.5	.4	.4	.4	1.1	1.0	.6
225.	*	.3	.3	.3	.4	.4	.2	.2	.2	.2	.1	.0	.7	.5	.5	.4	.4	.4	1.0	1.0	.7
230.	*	.3	.3	.3	.3	.3	.1	.2	.2	.2	.2	.1	.7	.5	.5	.4	.4	.4	.9	1.0	.7
235.	*	.3	.2	.3	.3	.3	.2	.2	.2	.2	.2	.1	.7	.5	.6	.4	.4	.4	.8	1.0	.8
240.	*	.3	.2	.3	.3	.3	.2	.2	.2	.2	.2	.3	.8	.5	.4	.3	.4	.4	.9	.9	.8
245.	*	.3	.2	.2	.3	.3	.2	.2	.2	.2	.2	.3	.8	.6	.3	.3	.4	.4	.9	.8	.7
250.	*	.4	.2	.2	.3	.3	.2	.2	.2	.2	.2	.3	.8	.5	.4	.4	.4	.4	.8	.8	.5
255.	*	.4	.2	.2	.2	.3	.3	.2	.2	.2	.2	.2	.7	.5	.4	.4	.4	.4	.7	.7	.6
260.	*	.5	.2	.2	.3	.3	.3	.3	.3	.2	.2	.5	.5	.4	.4	.4	.4	.4	.5	.6	.4
265.	*	.5	.2	.2	.3	.3	.3	.3	.3	.2	.3	.1	.6	.4	.4	.4	.4	.4	.5	.5	.3
270.	*	.6	.2	.2	.3	.3	.3	.4	.3	.2	.3	.1	.5	.3	.3	.4	.4	.4	.4	.5	.2
275.	*	.6	.3	.2	.3	.3	.3	.4	.2	.2	.3	.2	.5	.3	.3	.4	.4	.4	.4	.2	.2
280.	*	.6	.3	.2	.3	.3	.3	.4	.3	.3	.4	.2	.4	.3	.4	.4	.4	.4	.3	.2	.1
285.	*	.8	.4	.2	.3	.3	.3	.4	.4	.3	.4	.1	.3	.4	.4	.4	.4	.4	.2	.2	.2
290.	*	.8	.4	.2	.2	.3	.3	.6	.4	.5	.4	.1	.3	.4	.4	.4	.4	.4	.2	.2	.2
295.	*	.8	.6	.2	.3	.3	.3	.6	.3	.5	.3	.0	.3	.4	.4	.4	.4	.4	.2	.2	.2
300.	*	.8	.7	.2	.4	.3	.3	.6	.3	.4	.4	.0	.3	.3	.4	.4	.4	.4	.3	.2	.2
305.	*	.8	.7	.2	.3	.3	.3	.4	.4	.4	.4	.0	.4	.3	.4	.4	.4	.4	.2	.2	.2
310.	*	.7	.8	.2	.3	.3	.3	.4	.4	.5	.4	.0	.4	.4	.4	.4	.4	.3	.2	.2	.2
315.	*	.7	.8	.3	.3	.3	.3	.4	.5	.5	.3	.0	.4	.4	.4	.4	.4	.3	.2	.2	.2
320.	*	.6	.7	.4	.3	.4	.3	.5	.5	.3	.0	.3	.4	.4	.4	.4	.4	.3	.2	.2	.2
325.	*	.6	.7	.3	.4	.5	.4	.3	.5	.5	.2	.0	.4	.4	.4	.4	.4	.2	.2	.2	.1
330.	*	.5	.7	.3	.4	.4	.4	.4	.5	.4	.2	.0	.4	.4	.4	.4	.3	.2	.2	.1	.1
335.	*	.4	.7	.5	.4	.4	.5	.5	.3	.4	.2	.0	.4	.4	.4	.3	.3	.2	.1	.1	.1
340.	*	.2	.5	.5	.5	.4	.4	.4	.3	.3	.2	.0	.3	.3	.3	.3	.2	.1	.1	.1	.0
345.	*	.1	.3	.5	.5	.4	.4	.4	.4	.2	.2	.0	.3	.2	.2	.2	.2	.1	.1	.0	.0
350.	*	.4	.2	.3	.4	.4	.4	.5	.3	.2	.2	.0	.2	.2	.2	.2	.2	.1	.1	.0	.0
355.	*	.4	.3	.3	.4	.3	.2	.5	.3	.2	.1	.0	.2	.2	.2	.2	.1	.1	.0	.0	.0
360.	*	.4	.4	.3	.3	.3	.2	.4	.2	.2	.1	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0
-----*																					
MAX	*	.8	.8	.5	.5	.5	.5	.6	.5	.5	.4	.3	.9	.6	.6	.4	.5	.5	1.1	1.0	.8
DEGR.	*	285	310	335	340	325	335	290	315	290	280	240	110	200	235	195	205	190	200	210	235

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JOB: S14 MD410&SB 295 HLRT AM

RUN: S14 MD410&SB 295 HLRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

-----*		
0.	*	.0
5.	*	.0
10.	*	.0
15.	*	.0
20.	*	.0
25.	*	.0
30.	*	.0
35.	*	.0
40.	*	.0
45.	*	.0
50.	*	.0
55.	*	.1
60.	*	.1
65.	*	.1
70.	*	.1
75.	*	.1
80.	*	.1
85.	*	.2
90.	*	.2
95.	*	.3
100.	*	.3
105.	*	.3
110.	*	.2
115.	*	.2
120.	*	.2
125.	*	.1
130.	*	.2
135.	*	.3
140.	*	.3
145.	*	.3
150.	*	.3
155.	*	.3
160.	*	.3
165.	*	.3
170.	*	.3
175.	*	.3
180.	*	.3
185.	*	.3
190.	*	.3
195.	*	.1
200.	*	.2



205. \* .2 .1  
1

JOB: S14 MD410&SB 295 HLRT AM

RUN: S14 MD410&SB 295 HLRT AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

-----\*-----  
210. \* .4 .1  
215. \* .4 .1  
220. \* .5 .2  
225. \* .5 .2  
230. \* .5 .1  
235. \* .5 .2  
240. \* .4 .1  
245. \* .3 .0  
250. \* .3 .0  
255. \* .2 .0  
260. \* .2 .0  
265. \* .1 .1  
270. \* .1 .1  
275. \* .1 .1  
280. \* .2 .2  
285. \* .2 .2  
290. \* .2 .2  
295. \* .2 .1  
300. \* .2 .0  
305. \* .2 .0  
310. \* .2 .0  
315. \* .1 .0  
320. \* .1 .0  
325. \* .0 .0  
330. \* .0 .0  
335. \* .0 .0  
340. \* .0 .0  
345. \* .0 .0  
350. \* .0 .0  
355. \* .0 .0  
360. \* .0 .0  
-----\*-----  
MAX \* .5 .2  
DEGR. \* 220 220

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 200 DEGREES FROM REC18.  
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 210 DEGREES FROM REC19.  
THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 110 DEGREES FROM REC12.

S14 MD410&NB 295 HLRT PM			60.0321.0.0000.000220.30480000	1	1
SE COR	339620.	471349.	5.0		
SE 82S	339611.	471314.	5.0		
SE 164S	339600.	471245.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339674.	471338.	5.0		
SE 164W	339777.	471350.	5.0		
SE 256W	339850.	471393.	5.0		
SE MIDW	340028.	471495.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 HLRT PM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	4350 4.3 0. 44	50	
1					
NB	I295	AG339464.471638.339385.470489.	4350 4.3 0. 44	50	
1					
SB	I295	AG339230.470499.339198.471395.	4000 4.8 0. 44	58	
1					
SB	I295	AG339198.471395.339198.472460.	4000 4.8 0. 44	58	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	90 3.9 0. 32	20	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	90 3.9 0. 32	23	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
100	88	2.0 90 37.8 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	2040 3.9 0. 44	19	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	2040 3.9 0. 44	23	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
100	9	2.0 2040 37.8 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	1980 4.0 0. 44	19	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	1980 4.0 0. 44	19	
1					
WB	64th Ave	AG338591.471461.338706.471469.	1920 4.0 0. 44	19	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
100	20	2.0 1920 37.8 1757 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	1920 4.0 0. 44	19	
1					
SBR	410&SB	AG339068.471452.339082.472350.	350 3.5 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
100	76	2.0 350 37.8 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	200 3.5 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
100	76	2.0 200 37.8 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	650 3.5 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	2115 3.9 0. 56	23	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
100	59	2.0 2115 37.8 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	2115 3.9 0. 56	23	
1					
WBL	295SB	AG339071.471466.339146.471457.	305 4.0 0. 32	23	
1					
WBL	295SB	AG339146.471457.339571.471464.	305 4.0 0. 32	23	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
100	77	2.0 305 37.8 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1670 4.0 0. 44	23	
1					
WBT	295SB	AG339143.471474.339575.471481.	1670 4.0 0. 44	23	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
100	20	2.0 1670 37.8 1770 1 3			
1					
WBALL	295NB	AG339581.471480.339720.471488.	1780 3.6 0. 68	25	
2					
WBALL	295NB	AG339627.471482.339714.471487.	0. 48 4		
100	58	2.0 1780 37.8 1667 1 3			

[illegible]

JOB: S14 MD410&NB 295 HLRT PM  
DATE: 10/23/2007 TIME: 22:38:15.42

RUN: S14 MD410&NB 295 HLRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4350.	4.3	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4350.	4.3	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4000.	4.8	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4000.	4.8	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	90.	3.9	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	90.	3.9	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338457.0	471431.6	*	46.	268. AG	89.	100.0	.0	12.0	.64 2.3
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	2040.	3.9	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	2040.	3.9	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338446.8	471413.0	*	50.	269. AG	18.	100.0	.0	24.0	.66 2.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	1980.	4.0	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	1980.	4.0	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	1920.	4.0	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338743.6	471472.5	*	105.	85. AG	41.	100.0	.0	24.0	.72 5.3
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	1920.	4.0	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	350.	3.5	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339076.5	472077.0	*	576.	1. AG	77.	100.0	.0	12.0	1.11 29.3
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	200.	3.5	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471541.6	*	42.	360. AG	154.	100.0	.0	24.0	.29 2.1
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	650.	3.5	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	2115.	3.9	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	337893.1	471405.0	*	1132.	269. AG	179.	100.0	.0	36.0	1.12 57.5
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	2115.	3.9	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	305.	4.0	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	305.	4.0	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339322.7	471459.4	*	168.	90. AG	78.	100.0	.0	12.0	.91 8.5
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1670.	4.0	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1670.	4.0	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339255.3	471476.2	*	91.	89. AG	41.	100.0	.0	24.0	.62 4.6
30. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	1780.	3.6	.0	68.0	
31. WBALL	295NB	* 339627.0	471482.0	339767.9	471490.1	*	141.	87. AG	235.	100.0	.0	48.0	.70 7.2
32. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	1780.	3.6	.0	68.0	
33. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	1780.	3.6	.0	56.0	
34. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	1780.	3.6	.0	56.0	
35. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	175.	3.6	.0	32.0	
36. EBL	295NB	* 339502.0	471451.0	339413.3	471449.5	*	89.	269. AG	84.	100.0	.0	12.0	.76 4.5
37. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	175.	3.6	.0	32.0	
38. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1800.	3.6	.0	44.0	
39. EBT	295NB	* 339500.0	471435.0	339411.5	471433.5	*	89.	269. AG	37.	100.0	.0	24.0	.65 4.5
40. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1800.	3.6	.0	44.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	2040.	4.0	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	2040.	4.0	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	2040.	4.0	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	2040.	4.0	.0	44.0	

JOB: S14 MD410&NB 295 HLRT PM  
DATE: 10/23/2007 TIME: 22:38:15.42

RUN: S14 MD410&NB 295 HLRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	2040.	4.0	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	575.	3.5	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339561.7	471312.4	*	87.	185. AG	243.	100.0	.0	36.0	.69 4.4
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	325.	3.5	.0	32.0	

JOB: S14 MD410&NB 295 HLRT PM  
DATE: 10/23/2007 TIME: 22:38:15.42

RUN: S14 MD410&NB 295 HLRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 100	88	2.0	90	1770	37.80	1	3
10. EBT	64th Ave	* 100	9	2.0	2040	1770	37.80	1	3
14. WB	64th Ave	* 100	20	2.0	1920	1757	37.80	1	3
17. SBR	410&SB	* 100	76	2.0	350	1583	37.80	1	3
19. SBL	410&SB	* 100	76	2.0	200	1717	37.80	1	3
22. EB	295SB	* 100	59	2.0	2115	1695	37.80	1	3
26. WBL	295SB	* 100	77	2.0	305	1770	37.80	1	3
29. WBT	295SB	* 100	20	2.0	1670	1770	37.80	1	3
31. WBALL	295NB	* 100	58	2.0	1780	1667	37.80	1	3
36. EBL	295NB	* 100	83	2.0	175	1770	37.80	1	3

39. EBT	295NB	*	100	18	2.0	1800	1770	37.80	1	3
47. NBALL	410&NB	*	100	80	2.0	575	1723	37.80	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339620.0	471349.0	5.0	*
2. SE 82S	*	339611.0	471314.0	5.0	*
3. SE 164S	*	339600.0	471245.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339674.0	471338.0	5.0	*
8. SE 164W	*	339777.0	471350.0	5.0	*
9. SE 256W	*	339850.0	471393.0	5.0	*
10. SE MIDW	*	340028.0	471495.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

1

JOB: S14 MD410&NB 295 HLRT PM

RUN: S14 MD410&NB 295 HLRT PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.4	.4	.4	.3	.3	.3	.4	.3	.2	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
5.	.4	.3	.3	.4	.1	.2	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	.4	.3	.3	.2	.1	.1	.4	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	.4	.4	.2	.2	.0	.1	.3	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	.4	.4	.2	.1	.0	.0	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	.4	.4	.1	.1	.0	.0	.4	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	.4	.3	.1	.1	.0	.0	.3	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	.3	.3	.1	.1	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	.4	.1	.1	.0	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	.5	.1	.0	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	.3	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
65.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
70.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1
75.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.2	.1
80.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.4	.2
85.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	.4	.2
90.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	.4	.3
95.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	.4	.3
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.1	.0	.0	.0	.0	.7	.4	.3
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.2	.0	.0	.0	.0	.8	.3	.3
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.2	.0	.0	.0	.0	.9	.3	.3
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.0	.0	.0	.0	1.0	.3	.3
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.0	.0	.0	.0	1.0	.3	.3
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.2	.1	.0	.0	.0	1.0	.3	.4
130.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.1	.0	.0	.0	1.0	.3	.3
135.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.1	.0	.0	.0	1.0	.3	.3
140.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.1	.1	.0	.0	1.0	.3	.2
145.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.0	1.0	.4	.3
150.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.2	.1	.0	.0	.9	.4	.3
155.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.0	1.0	.5	.3
160.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.1	.0	.0	1.0	.6	.3
165.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.1	.0	.9	.5	.3
170.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.9	.6	.3
175.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.2	.2	.3	.9	.6	.3
180.	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.5	.5	.3	.2	.2	.3	.9	.7	.3
185.	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.6	.4	.2	.3	.4	.4	.9	.7	.3
190.	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.7	.4	.4	.3	.5	.5	1.0	.8	.3
195.	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.8	.4	.5	.5	.5	.5	1.1	.9	.3
200.	.3	.3	.3	.3	.2	.1	.1	.1	.0	.0	.0	.9	.7	.5	.5	.5	.7	1.1	.9	.4
205.	.4	.4	.4	.4	.3	.1	.1	.1	.1	.0	.0	.6	.7	.6	.5	.5	.5	1.3	.9	.6

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JOB: S14 MD410&NB 295 HLRT PM

RUN: S14 MD410&NB 295 HLRT PM

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WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.4	.4	.4	.4	.3	.2	.3	.1	.1	.0	.0	.7	.5	.5	.5	.6	.5	1.3	1.3	.6
215.	.5	.4	.4	.4	.4	.2	.3	.2	.1	.1	.0	.7	.5	.6	.3	.3	.4	1.3	1.3	.6
220.	.5	.4	.4	.4	.4	.2	.3	.2	.2	.1	.1	.7	.5	.6	.4	.3	.4	1.2	1.2	.7
225.	.5	.4	.4	.4	.4	.3	.3	.2	.2	.1	.1	.6	.5	.4	.4	.3	.5	1.2	1.2	.8
230.	.6	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.6	.5	.4	.3	.4	.5	1.3	1.2	.9
235.	.5	.4	.4	.4	.4	.3	.3	.2	.2	.2	.2	.6	.5	.5	.4	.4	.4	1.2	1.1	1.0
240.	.6	.4	.4	.4	.4	.4	.3	.2	.2	.2	.4	.7	.5	.4	.5	.4	.3	1.1	1.1	.7
245.	.6	.4	.4	.4	.4	.4	.3	.2	.2	.2	.4	.7	.6	.4	.4	.4	.3	1.0	1.0	.7
250.	.7	.4	.4	.4	.4	.4	.3	.2	.3	.2	.3	.8	.5	.4	.4	.4	.3	1.0	1.0	.5
255.	.7	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.8	.5	.4	.4	.3	.3	.9	.9	.7
260.	.7	.5	.4	.4	.4	.4	.4	.3	.3	.3	.2	.7	.5	.4	.4	.3	.3	.7	.8	.4
265.	.8	.6	.4	.4	.4	.4	.5	.4	.3	.5	.2	.7	.4	.4	.3	.3	.3	.7	.6	.4
270.	.9	.7	.5	.4	.4	.4	.5	.4	.3	.6	.2	.5	.4	.3	.3	.3	.3	.5	.5	.3
275.	1.0	.7	.5	.5	.4	.4	.5	.4	.6	.6	.2	.5	.3	.3	.3	.3	.3	.5	.3	.2
280.	1.0	.8	.5	.5	.4	.4	.6	.5	.6	.5	.3	.4	.3	.3	.3	.3	.3	.2	.2	.3
285.	1.1	.9	.5	.5	.4	.4	.7	.5	.5	.4	.2	.3	.3	.3	.3	.3	.3	.2	.3	.2
290.	.9	1.0	.5	.5	.5	.4	.6	.6	.7	.4	.2	.3	.3	.3	.3	.3	.3	.2	.3	.2
295.	.9	1.0	.4	.5	.5	.4	.6	.4	.6	.4	.1	.3	.3	.3	.3	.3	.3	.3	.2	.2
300.	.9	1.0	.4	.5	.5	.5	.6	.4	.6	.4	.1	.3	.4	.3	.3	.3	.3	.3	.2	.2
305.	.9	1.0	.5	.4	.5	.5	.5	.4	.5	.4	.1	.3	.3	.3	.3	.3	.3	.3	.2	.2
310.	.8	1.1	.6	.4	.5	.5	.5	.6	.6	.4	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
315.	.8	1.1	.7	.4	.4	.5	.5	.7	.7	.3	.0	.3	.3	.3	.3	.4	.2	.3	.2	.2
320.	.7	1.1	.8	.4	.5	.4	.4	.7	.7	.3	.0	.5	.4	.3	.4	.5	.3	.3	.2	.2
325.	.7	1.1	.8	.4	.5	.4	.4	.7	.5	.3	.0	.4	.4	.4	.5	.5	.3	.3	.2	.1
330.	.6	1.0	.8	.4	.4	.4	.5	.6	.4	.2	.0	.4	.4	.4	.4	.3	.2	.3	.1	.1
335.	.6	.8	.9	.6	.4	.5	.5	.4	.4	.2	.0	.4	.4	.4	.3	.3	.2	.2	.1	.1
340.	.5	.5	.7	.6	.4	.4	.4	.4	.3	.2	.0	.3	.3	.3	.3	.3	.2	.1	.1	.0
345.	.3	.5	.7	.5	.5	.4	.5	.5	.2	.2	.0	.3	.3	.3	.3	.2	.1	.1	.1	.0
350.	.4	.3	.6	.4	.5	.4	.5	.4	.2	.2	.0	.3	.2	.2	.2	.2	.1	.1	.0	.0
355.	.4	.4	.3	.4	.3	.4	.5	.3	.2	.3	.0	.2	.2	.2	.2	.2	.0	.0	.0	.0
360.	.4	.4	.4	.3	.3	.3	.4	.3	.2	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0
MAX	1.1	1.1	.9	.6	.5	.5	.7	.7	.7	.6	.4	1.0	.7	.6	.5	.6	.7	1.3	1.3	1.0
DEGR.	285	310	335	335	290	300	285	315	290	270	240	105	200	205	195	210	200	205	210	235

1

JOB: S14 MD410&NB 295 HLRT PM

RUN: S14 MD410&NB 295 HLRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.0	.0
50.	.0	.0
55.	.1	.0
60.	.1	.0
65.	.1	.0
70.	.2	.0
75.	.2	.0
80.	.2	.0
85.	.2	.0
90.	.2	.0
95.	.3	.0
100.	.3	.0
105.	.3	.0
110.	.3	.0
115.	.4	.0
120.	.4	.0
125.	.2	.0
130.	.2	.0
135.	.2	.0
140.	.3	.0
145.	.3	.0
150.	.3	.0
155.	.3	.0
160.	.3	.0
165.	.3	.0
170.	.3	.0
175.	.3	.0
180.	.3	.0
185.	.3	.0
190.	.3	.2

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195. * .3 .2
200. * .4 .2
205. * .5 .2

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1

JOB: S14 MD410&NB 295 HLRT PM

RUN: S14 MD410&NB 295 HLRT PM

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WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

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210. * .6 .2
215. * .4 .3
220. * .5 .2
225. * .6 .2
230. * .6 .1
235. * .5 .1
240. * .4 .1
245. * .3 .1
250. * .2 .1
255. * .3 .0
260. * .3 .0
265. * .3 .1
270. * .1 .2
275. * .2 .2
280. * .2 .2
285. * .2 .2
290. * .2 .2
295. * .2 .1
300. * .2 .1
305. * .2 .1
310. * .2 .0
315. * .1 .0
320. * .1 .0
325. * .1 .0
330. * .0 .0
335. * .0 .0
340. * .0 .0
345. * .0 .0
350. * .0 .0
355. * .0 .0
360. * .0 .0

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MAX * .6 .3
DEGR. * 210 215

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THE HIGHEST CONCENTRATION IS 1.30 PPM AT 205 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 210 DEGREES FROM REC19.
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 285 DEGREES FROM REC1 .

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Site 14

MD 410 at MD 295  
Northbound Ramps

2030



S14 MD410&295NB	NB30AM		60.0321.0.0000.000200.30480000	1	1
SE COR		2001.	1166.	5.0	
SE 82S		1995.	1101.	5.0	
SE 164S		1987.	1019.	5.0	
SE 256S		1973.	935.	5.0	
SE MIDS		1900.	581.	5.0	
SE MIDS		1848.	418.	5.0	
SE 82E		2070.	1172.	5.0	
SE 164E		2117.	1160.	5.0	
SE 256E		2227.	1195.	5.0	
SE MIDE		2501.	1345.	5.0	
SE MIDE		2628.	1473.	5.0	
NE COR		2011.	1289.	5.0	
NE 82E		2076.	1287.	5.0	
NE 164E		2159.	1298.	5.0	
NE 256E		2237.	1319.	5.0	
NE MIDE		2598.	1546.	5.0	
NE MIDE		2757.	1725.	5.0	
NE 82N		2001.	1352.	5.0	
NE MIDN		1959.	1799.	5.0	
NE MIDN		1977.	2062.	5.0	
S14 MD410&295NB	NB30AM		44 1 0		
1					
EB	410SR	AG	1424. 1185. 426. 1149.	1545 3.1 0. 56	25
2					
EB	410SR	AG	1382. 1184. 1049. 1171.	0. 36 3	
100	48		2.0 1545 32.1 1667 1 3		
1					
EB	410NR	AG	1978. 1203. 1427. 1193.	1455 3.1 0. 56	25
2					
EB	410NR	AG	1925. 1202. 1741. 1199.	0. 36 3	
100	19		2.0 1455 32.1 1770 1 3		
1					
EBDP	410NR	AG	2842. 1738. 2512. 1380.	1210 3.1 0. 44	25
1					
EBDP	410NR	AG	2512. 1380. 2360. 1282.	1210 3.1 0. 44	25
1					
EBDP	410NR	AG	2360. 1282. 2239. 1232.	1210 3.1 0. 44	25
1					
EBDP	410NR	AG	2239. 1232. 2111. 1204.	1210 3.1 0. 44	25
1					
EBDP	410NR	AG	2111. 1204. 1974. 1193.	1210 3.1 0. 44	25
1					
WB	410NR	AG	1986. 1244. 2167. 1260.	2190 3.2 0. 68	22
2					
WB	410NR	AG	2021. 1247. 2144. 1258.	0. 48 4	
100	43		2.0 2190 32.1 1667 1 3		
1					
WB	410NR	AG	2167. 1260. 2371. 1329.	2190 3.2 0. 68	22
1					
WB	410NR	AG	2371. 1329. 2507. 1424.	2190 3.2 0. 56	22
1					
WB	410NR	AG	2508. 1423. 2596. 1498.	2190 3.2 0. 44	22
1					
WB	410NR	AG	2596. 1498. 2828. 1760.	2190 3.2 0. 44	22
1					
WB	410SR	AG	1425. 1230. 1985. 1240.	2245 3.3 0. 56	21
2					
WB	410SR	AG	1465. 1231. 1654. 1234.	0. 36 3	
100	27		2.0 2245 32.1 1770 1 3		
1					
WBDP	410SR	AG	425. 1195. 1422. 1234.	2245 3.3 0. 44	22
1					
SB	410SR	AG	1427. 1213. 1423. 1441.	425 3.0 0. 56	35
2					
SB	410SR	AG	1426. 1279. 1424. 1396.	0. 36 3	
100	71		2.0 425 32.1 1672 1 3		
1					
SB	410SR	AG	1423. 1441. 1436. 1576.	425 3.0 0. 56	35
1					
SB	410SR	AG	1438. 1577. 1506. 1865.	425 3.0 0. 44	35
1					
SB	410SR	AG	1506. 1865. 1636. 2194.	425 3.0 0. 12	35
1					
SBDP	410SR	AG	1509. 217. 1516. 423.	515 3.0 0. 32	35
1					
SBDP	410SR	AG	1516. 423. 1494. 658.	515 3.0 0. 32	35
1					
SBDP	410SR	AG	1494. 658. 1443. 935.	515 3.0 0. 32	35
1					
SBDP	410SR	AG	1443. 935. 1429. 1211.	515 3.0 0. 32	35
1					
SB	I295	AG	1535. 222. 1561. 511.	4700 3.4 0. 44	61
1					
SB	I295	AG	1562. 512. 1548. 1370.	4700 3.4 0. 44	58
1					
SB	I295	AG	1549. 1371. 1571. 1711.	4700 3.4 0. 44	58
1					
SB	I295	AG	1571. 1711. 1663. 2184.	4700 3.4 0. 44	58
1					
NB	295NR	AG	1970. 1229. 1959. 1008.	440 3.0 0. 56	35
2					
NB	410NR	AG	1967. 1160. 1960. 1019.	0. 36 3	
100	80		2.0 440 32.1 1672 1 3		
1					

NB	295NR	AG	1959.	1008.	1926.	828.	440	3.0	0.	56	35
1											
NBALL	295NR	AG	1927.	825.	1864.	545.	440	3.0	0.	44	35
1											
NBALL	295NR	AG	1864.	545.	1783.	278.	440	3.0	0.	44	35
1											
NBDP	295NR	AG	1955.	2063.	1935.	1845.	630	3.0	0.	32	35
1											
NBDP	295NR	AG	1935.	1845.	1942.	1667.	630	3.0	0.	32	35
1											
NBDP	295NR	AG	1942.	1667.	1967.	1451.	630	3.0	0.	32	35
1											
NBDP	295NR	AG	1967.	1451.	1990.	1231.	630	3.0	0.	32	35
1											
NB	I295	AG	1929.	2078.	1865.	1711.	3125	4.5	0.	44	57
1											
NB	I295	AG	1865.	1711.	1834.	1289.	3125	4.5	0.	44	55
1											
NB	I295	AG	1834.	1289.	1787.	597.	3125	4.5	0.	44	55
1											
NB	I295	AG	1787.	597.	1731.	261.	3125	4.5	0.	44	55
1.0	04	1000	0Y	5	0	72					

JOB: S14 MD410&295NB NB30AM  
 DATE: 10/07/2007 TIME: 22:56:01.31

RUN: S14 MD410&295NB NB30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EB	410SR	* 1424.0	1185.0	426.0	1149.0	*	999.	268. AG	1545.	3.1	.0	56.0	
2. EB	410SR	* 1382.0	1184.0	1246.9	1178.7	*	135.	268. AG	124.	100.0	.0	36.0	.64 6.9
3. EB	410NR	* 1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	1455.	3.1	.0	56.0	
4. EB	410NR	* 1925.0	1202.0	1874.6	1201.2	*	50.	269. AG	49.	100.0	.0	36.0	.36 2.6
5. EBDP	410NR	* 2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	1210.	3.1	.0	44.0	
6. EBDP	410NR	* 2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	1210.	3.1	.0	44.0	
7. EBDP	410NR	* 2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	1210.	3.1	.0	44.0	
8. EBDP	410NR	* 2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	1210.	3.1	.0	44.0	
9. EBDP	410NR	* 2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	1210.	3.1	.0	44.0	
10. WB	410NR	* 1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	2190.	3.2	.0	68.0	
11. WB	410NR	* 2021.0	1247.0	2149.1	1258.5	*	129.	85. AG	148.	100.0	.0	48.0	.62 6.5
12. WB	410NR	* 2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	2190.	3.2	.0	68.0	
13. WB	410NR	* 2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	2190.	3.2	.0	56.0	
14. WB	410NR	* 2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	2190.	3.2	.0	44.0	
15. WB	410NR	* 2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	2190.	3.2	.0	44.0	
16. WB	410SR	* 1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	2245.	3.3	.0	56.0	
17. WB	410SR	* 1465.0	1231.0	1575.4	1232.8	*	110.	89. AG	70.	100.0	.0	36.0	.61 5.6
18. WBDP	410SR	* 425.0	1195.0	1422.0	1234.0	*	998.	88. AG	2245.	3.3	.0	44.0	
19. SB	410SR	* 1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	425.	3.0	.0	56.0	
20. SB	410SR	* 1426.0	1279.0	1425.1	1333.7	*	55.	359. AG	183.	100.0	.0	36.0	.34 2.8
21. SB	410SR	* 1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	425.	3.0	.0	56.0	
22. SB	410SR	* 1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	425.	3.0	.0	44.0	
23. SB	410SR	* 1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	425.	3.0	.0	12.0	
24. SBDP	410SR	* 1509.0	217.0	1516.0	423.0	*	206.	2. AG	515.	3.0	.0	32.0	
25. SBDP	410SR	* 1516.0	423.0	1494.0	658.0	*	236.	355. AG	515.	3.0	.0	32.0	
26. SBDP	410SR	* 1494.0	658.0	1443.0	935.0	*	282.	350. AG	515.	3.0	.0	32.0	
27. SBDP	410SR	* 1443.0	935.0	1429.0	1211.0	*	276.	357. AG	515.	3.0	.0	32.0	
28. SB	I295	* 1535.0	222.0	1561.0	511.0	*	290.	5. AG	4700.	3.4	.0	44.0	
29. SB	I295	* 1562.0	512.0	1548.0	1370.0	*	858.	359. AG	4700.	3.4	.0	44.0	
30. SB	I295	* 1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	4700.	3.4	.0	44.0	
31. SB	I295	* 1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	4700.	3.4	.0	44.0	
32. NB	295NR	* 1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	440.	3.0	.0	56.0	
33. NB	410NR	* 1967.0	1160.0	1963.8	1096.2	*	64.	183. AG	207.	100.0	.0	36.0	.55 3.2
34. NB	295NR	* 1959.0	1008.0	1926.0	828.0	*	183.	190. AG	440.	3.0	.0	56.0	
35. NBALL	295NR	* 1927.0	825.0	1864.0	545.0	*	287.	193. AG	440.	3.0	.0	44.0	
36. NBALL	295NR	* 1864.0	545.0	1783.0	278.0	*	279.	197. AG	440.	3.0	.0	44.0	
37. NBDP	295NR	* 1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	630.	3.0	.0	32.0	
38. NBDP	295NR	* 1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	630.	3.0	.0	32.0	
39. NBDP	295NR	* 1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	630.	3.0	.0	32.0	
40. NBDP	295NR	* 1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	630.	3.0	.0	32.0	
41. NB	I295	* 1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	3125.	4.5	.0	44.0	
42. NB	I295	* 1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	3125.	4.5	.0	44.0	
43. NB	I295	* 1834.0	1289.0	1787.0	597.0	*	694.	184. AG	3125.	4.5	.0	44.0	
44. NB	I295	* 1787.0	597.0	1731.0	261.0	*	341.	189. AG	3125.	4.5	.0	44.0	

JOB: S14 MD410&295NB NB30AM  
 DATE: 10/07/2007 TIME: 22:56:01.31

RUN: S14 MD410&295NB NB30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EB	410SR	* 100	48	2.0	1545	1667	32.10	1	3
4. EB	410NR	* 100	19	2.0	1455	1770	32.10	1	3
11. WB	410NR	* 100	43	2.0	2190	1667	32.10	1	3
17. WB	410SR	* 100	27	2.0	2245	1770	32.10	1	3
20. SB	410SR	* 100	71	2.0	425	1672	32.10	1	3
33. NB	410NR	* 100	80	2.0	440	1672	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	2001.0	1166.0	5.0	*
2. SE 82S	*	1995.0	1101.0	5.0	*
3. SE 164S	*	1987.0	1019.0	5.0	*
4. SE 256S	*	1973.0	935.0	5.0	*
5. SE MIDS	*	1900.0	581.0	5.0	*
6. SE MIDS	*	1848.0	418.0	5.0	*
7. SE 82E	*	2070.0	1172.0	5.0	*
8. SE 164E	*	2117.0	1160.0	5.0	*
9. SE 256E	*	2227.0	1195.0	5.0	*
10. SE MIDE	*	2501.0	1345.0	5.0	*
11. SE MIDE	*	2628.0	1473.0	5.0	*
12. NE COR	*	2011.0	1289.0	5.0	*

13. NE 82E	*	2076.0	1287.0	5.0	*
14. NE 164E	*	2159.0	1298.0	5.0	*
15. NE 256E	*	2237.0	1319.0	5.0	*
16. NE MIDE	*	2598.0	1546.0	5.0	*
17. NE MIDE	*	2757.0	1725.0	5.0	*
18. NE 82N	*	2001.0	1352.0	5.0	*
19. NE MIDN	*	1959.0	1799.0	5.0	*
20. NE MIDN	*	1977.0	2062.0	5.0	*

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JOB: S14 MD410&amp;295NB NB30AM

RUN: S14 MD410&amp;295NB NB30AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.2	.2	.1	.2	.3	.4	.4	.2	.3	.4	.0	.0	.0	.0	.0	.0	.1	.0
5.	*	.3	.3	.1	.1	.1	.2	.4	.4	.2	.4	.4	.0	.0	.0	.0	.0	.0	.1	.0
10.	*	.3	.3	.2	.1	.0	.2	.4	.4	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.3	.3	.2	.1	.0	.0	.4	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.3	.2	.1	.0	.0	.4	.3	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.4	.3	.1	.0	.0	.0	.4	.4	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.4	.3	.1	.0	.0	.0	.4	.4	.2	.4	.4	.0	.0	.0	.1	.0	.0	.0	.0
35.	*	.4	.2	.1	.0	.0	.0	.4	.2	.2	.4	.4	.0	.0	.0	.1	.0	.0	.0	.0
40.	*	.4	.2	.0	.0	.0	.0	.5	.2	.2	.4	.3	.0	.0	.0	.2	.1	.0	.0	.0
45.	*	.4	.2	.0	.0	.0	.0	.4	.2	.2	.3	.2	.0	.0	.0	.2	.1	.0	.0	.0
50.	*	.4	.1	.0	.0	.0	.0	.5	.2	.3	.2	.2	.0	.0	.0	.4	.1	.0	.0	.0
55.	*	.5	.1	.0	.0	.0	.0	.5	.2	.2	.1	.1	.0	.0	.1	.1	.4	.1	.0	.0
60.	*	.5	.0	.0	.0	.0	.0	.3	.2	.1	.1	.1	.0	.0	.1	.1	.4	.2	.0	.0
65.	*	.4	.0	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.1	.2	.4	.2	.0	.0
70.	*	.4	.0	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.2	.1	.3	.4	.2	.0	.0
75.	*	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	.2	.3	.4	.2	.0	.0	.0
80.	*	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	.3	.2	.3	.4	.2	.0	.0	.0
85.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2	.3	.3	.3	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.3	.3	.3	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.3	.2	.3	.3	.1	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.2	.3	.3	.3	.1	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.2	.3	.3	.3	.1	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.2	.2	.3	.3	.2	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.2	.2	.3	.3	.3	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.2	.3	.3	.3	.2	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.2	.3	.3	.3	.2	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.2	.3	.3	.3	.3	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.2	.3	.3	.3	.3	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.2	.3	.3	.3	.3	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.3	.3	.3	.3	.3	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.3	.3	.3	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.3	.3	.3	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.3	.3	.3	.3	.2	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.3	.2	.3	.3	.2	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6	.3	.2	.4	.3	.2	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.4	.2	.4	.3	.2	.0	.0
180.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.4	.2	.3	.3	.3	.2	.1
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.4	.2	.3	.4	.3	.3	.3
190.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.5	.2	.3	.4	.4	.3	.4
195.	*	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	.7	.4	.2	.3	.4	.4	.4	.4
200.	*	.4	.1	.2	.1	.1	.1	.0	.0	.0	.0	.4	.9	.4	.2	.3	.4	.4	.5	.6
205.	*	.5	.1	.2	.2	.1	.2	.1	.0	.0	.0	.4	.9	.5	.3	.4	.4	.3	.4	.6

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JOB: S14 MD410&amp;295NB NB30AM

RUN: S14 MD410&amp;295NB NB30AM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.5	.1	.1	.2	.1	.2	.1	.1	.0	.0	.1	.6	.9	.6	.3	.4	.4	.5	.4
215.	*	.5	.1	.1	.2	.2	.2	.1	.1	.0	.0	.1	.7	.8	.6	.4	.2	.3	.6	.5
220.	*	.7	.2	.1	.2	.2	.3	.2	.1	.1	.0	.1	.6	.9	.7	.4	.2	.3	.6	.5
225.	*	.7	.2	.2	.2	.3	.3	.3	.1	.1	.1	.1	.6	.9	.9	.5	.2	.1	.5	.4
230.	*	.7	.3	.2	.3	.3	.3	.3	.2	.1	.1	.3	.7	.9	.9	.6	.2	.1	.5	.6
235.	*	.7	.3	.2	.2	.3	.3	.3	.2	.2	.1	.4	.7	.9	.9	.6	.1	.1	.5	.6
240.	*	.6	.3	.2	.2	.3	.4	.4	.3	.2	.2	.4	.7	.9	.8	.7	.0	.0	.5	.5
245.	*	.6	.3	.2	.2	.3	.4	.4	.3	.2	.2	.4	.6	.8	.9	.7	.0	.0	.6	.4
250.	*	.6	.4	.2	.2	.3	.3	.4	.3	.2	.4	.5	.6	.8	.9	.7	.0	.0	.5	.4
255.	*	.5	.4	.2	.2	.3	.3	.4	.3	.3	.4	.5	.6	.9	.9	.6	.0	.0	.4	.3
260.	*	.6	.5	.2	.2	.2	.3	.4	.3	.2	.4	.4	.6	.7	.8	.6	.0	.0	.4	.4
265.	*	.6	.5	.2	.2	.2	.3	.6	.4	.4	.4	.3	.5	.6	.6	.4	.0	.0	.3	.4
270.	*	.6	.6	.2	.2	.3	.3	.6	.5	.6	.4	.3	.5	.5	.3	.2	.0	.0	.2	.4
275.	*	.5	.6	.2	.2	.3	.3	.6	.5	.5	.4	.3	.3	.3	.4	.1	.0	.0	.2	.4
280.	*	.6	.9	.2	.2	.3	.3	.5	.6	.4	.2	.3	.3	.3	.2	.1	.0	.0	.3	.4
285.	*	.7	.9	.2	.2	.3	.3	.4	.4	.5	.2	.3	.2	.1	.1	.1	.0	.0	.3	.4
290.	*	.6	.9	.2	.2	.2	.3	.4	.4	.5	.3	.2	.3	.2	.1	.1	.0	.0	.3	.4
295.	*	.4	.9	.3	.2	.3	.3	.4	.2	.5	.3	.2	.3	.2	.1	.1	.0	.0	.3	.4
300.	*	.5	.9	.3	.2	.3	.3	.4	.5	.5	.2	.3	.3	.2	.1	.1	.0	.0	.3	.4

305.	*	.7	.9	.3	.2	.3	.3	.5	.5	.5	.2	.3	.3	.1	.1	.1	.0	.0	.3	.4	.1
310.	*	.6	1.0	.2	.2	.3	.3	.5	.4	.4	.2	.3	.3	.1	.1	.1	.0	.0	.2	.4	.0
315.	*	.5	1.1	.2	.2	.3	.3	.5	.4	.5	.2	.3	.2	.1	.1	.0	.0	.0	.2	.4	.0
320.	*	.4	1.1	.5	.2	.3	.3	.4	.5	.5	.2	.2	.2	.1	.1	.0	.0	.0	.3	.4	.0
325.	*	.4	.9	.5	.2	.3	.3	.4	.5	.2	.2	.2	.3	.2	.0	.0	.0	.0	.3	.4	.0
330.	*	.4	.8	.5	.2	.3	.5	.4	.5	.2	.2	.3	.3	.1	.0	.0	.0	.0	.3	.4	.0
335.	*	.3	.7	.6	.3	.4	.5	.5	.5	.2	.2	.3	.2	.1	.1	.0	.0	.0	.3	.3	.0
340.	*	.3	.6	.5	.2	.3	.4	.5	.4	.2	.2	.3	.3	.1	.1	.0	.0	.0	.3	.2	.0
345.	*	.4	.5	.5	.3	.3	.5	.4	.4	.2	.2	.3	.3	.1	.0	.0	.0	.0	.2	.2	.0
350.	*	.4	.4	.4	.2	.3	.4	.4	.3	.2	.2	.3	.1	.0	.0	.0	.0	.0	.1	.2	.0
355.	*	.2	.3	.4	.2	.2	.4	.4	.3	.2	.2	.3	.1	.0	.0	.0	.0	.0	.1	.2	.0
360.	*	.3	.2	.2	.1	.2	.3	.4	.4	.2	.3	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0
-----																					
MAX	*	.7	1.1	.6	.3	.4	.5	.6	.6	.6	.4	.5	.7	.9	.9	.7	.4	.4	.6	.5	.6
DEGR.	*	220	315	335	230	335	330	265	280	270	5	250	215	200	225	240	50	185	215	200	200

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 315 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS .90 PPM AT 200 DEGREES FROM REC13.  
 THE 3RD HIGHEST CONCENTRATION IS .90 PPM AT 225 DEGREES FROM REC14.

S14 MD410&295NB	NB30PM			60.0321.0.0000.000200.30480000	1	1
SE COR		2001.	1166.	5.0		
SE 82S		1995.	1101.	5.0		
SE 164S		1987.	1019.	5.0		
SE 256S		1973.	935.	5.0		
SE MIDS		1900.	581.	5.0		
SE MIDS		1848.	418.	5.0		
SE 82E		2070.	1172.	5.0		
SE 164E		2117.	1160.	5.0		
SE 256E		2227.	1195.	5.0		
SE MIDE		2501.	1345.	5.0		
SE MIDE		2628.	1473.	5.0		
NE COR		2011.	1289.	5.0		
NE 82E		2076.	1287.	5.0		
NE 164E		2159.	1298.	5.0		
NE 256E		2237.	1319.	5.0		
NE MIDE		2598.	1546.	5.0		
NE MIDE		2757.	1725.	5.0		
NE 82N		2001.	1352.	5.0		
NE MIDN		1959.	1799.	5.0		
NE MIDN		1977.	2062.	5.0		
S14 MD410&295NB	NB30PM		44	1	0	
1						
EB	410SR	AG	1424.	1185.	426.	1149.
2					2400	3.4
EB	410SR	AG	1382.	1184.	1049.	1171.
90	45		2.0	2400	32.1	1667
1					1	3
EB	410NR	AG	1978.	1203.	1427.	1193.
2					2235	3.4
EB	410NR	AG	1925.	1202.	1741.	1199.
90	23		2.0	2235	32.1	1770
1					1	3
EBDP	410NR	AG	2842.	1738.	2512.	1380.
1					2310	3.5
EBDP	410NR	AG	2512.	1380.	2360.	1282.
1					2310	3.5
EBDP	410NR	AG	2360.	1282.	2239.	1232.
1					2310	3.5
EBDP	410NR	AG	2239.	1232.	2111.	1204.
1					2310	3.5
EBDP	410NR	AG	2111.	1204.	1974.	1193.
1					2310	3.5
WB	410NR	AG	1986.	1244.	2167.	1260.
2					2020	3.5
WB	410NR	AG	2021.	1247.	2144.	1258.
90	36		2.0	2020	32.1	1667
1					1	3
WB	410NR	AG	2167.	1260.	2371.	1329.
1					2020	3.5
WB	410NR	AG	2371.	1329.	2507.	1424.
1					2020	3.5
WB	410NR	AG	2508.	1423.	2596.	1498.
1					2020	3.5
WB	410NR	AG	2596.	1498.	2828.	1760.
1					2020	3.5
WB	410SR	AG	1425.	1230.	1985.	1240.
2					2230	3.5
WB	410SR	AG	1465.	1231.	1654.	1234.
90	26		2.0	2230	32.1	1770
1					1	3
WBDP	410SR	AG	425.	1195.	1422.	1234.
1					2280	3.5
SB	410SR	AG	1427.	1213.	1423.	1441.
2					620	3.0
SB	410SR	AG	1426.	1279.	1424.	1396.
90	62		2.0	620	32.1	1672
1					1	3
SB	410SR	AG	1423.	1441.	1436.	1576.
1					620	3.0
SB	410SR	AG	1438.	1577.	1506.	1865.
1					620	3.0
SB	410SR	AG	1506.	1865.	1636.	2194.
1					620	3.0
SBDP	410SR	AG	1509.	217.	1516.	423.
1					735	3.0
SBDP	410SR	AG	1516.	423.	1494.	658.
1					735	3.0
SBDP	410SR	AG	1494.	658.	1443.	935.
1					735	3.0
SBDP	410SR	AG	1443.	935.	1429.	1211.
1					735	3.0
SB	I295	AG	1535.	222.	1561.	511.
1					4550	3.6
SB	I295	AG	1562.	512.	1548.	1370.
1					4550	3.6
SB	I295	AG	1549.	1371.	1571.	1711.
1					4550	3.6
SB	I295	AG	1571.	1711.	1663.	2184.
1					4550	3.6
NB	295NR	AG	1970.	1229.	1959.	1008.
2					655	3.0
NB	410NR	AG	1967.	1160.	1960.	1019.
90	66		2.0	655	32.1	1672
1					1	3

NB		295NR	AG	1959.	1008.	1926.	828.	655	3.0	0.	56	35
1												
NBALL		295NR	AG	1927.	825.	1864.	545.	655	3.0	0.	44	35
1												
NBALL		295NR	AG	1864.	545.	1783.	278.	655	3.0	0.	44	35
1												
NBDP		295NR	AG	1955.	2063.	1935.	1845.	370	3.0	0.	32	35
1												
NBDP		295NR	AG	1935.	1845.	1942.	1667.	370	3.0	0.	32	35
1												
NBDP		295NR	AG	1942.	1667.	1967.	1451.	370	3.0	0.	32	35
1												
NBDP		295NR	AG	1967.	1451.	1990.	1231.	370	3.0	0.	32	35
1												
NB		I295	AG	1929.	2078.	1865.	1711.	4925	3.2	0.	44	57
1												
NB		I295	AG	1865.	1711.	1834.	1289.	4925	3.2	0.	44	55
1												
NB		I295	AG	1834.	1289.	1787.	597.	4925	3.2	0.	44	55
1												
NB		I295	AG	1787.	597.	1731.	261.	4925	3.2	0.	44	55
1.0	04	1000	0Y	5	0	72						

JOB: S14 MD410&295NB NB30PM  
DATE: 10/07/2007 TIME: 23:00:06.49

RUN: S14 MD410&295NB NB30PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EB	410SR	*	1424.0	1185.0	426.0	1149.0	*	999.	268. AG	2400.	3.4	.0	56.0	
2. EB	410SR	*	1382.0	1184.0	640.5	1155.1	*	742.	268. AG	129.	100.0	.0	36.0	1.05 37.7
3. EB	410NR	*	1978.0	1203.0	1427.0	1193.0	*	551.	269. AG	2235.	3.4	.0	56.0	
4. EB	410NR	*	1925.0	1202.0	1831.3	1200.5	*	94.	269. AG	66.	100.0	.0	36.0	.60 4.8
5. EBDP	410NR	*	2842.0	1738.0	2512.0	1380.0	*	487.	223. AG	2310.	3.5	.0	44.0	
6. EBDP	410NR	*	2512.0	1380.0	2360.0	1282.0	*	181.	237. AG	2310.	3.5	.0	44.0	
7. EBDP	410NR	*	2360.0	1282.0	2239.0	1232.0	*	131.	248. AG	2310.	3.5	.0	44.0	
8. EBDP	410NR	*	2239.0	1232.0	2111.0	1204.0	*	131.	258. AG	2310.	3.5	.0	44.0	
9. EBDP	410NR	*	2111.0	1204.0	1974.0	1193.0	*	137.	265. AG	2310.	3.5	.0	44.0	
10. WB	410NR	*	1986.0	1244.0	2167.0	1260.0	*	182.	85. AG	2020.	3.5	.0	68.0	
11. WB	410NR	*	2021.0	1247.0	2120.0	1255.9	*	99.	85. AG	138.	100.0	.0	48.0	.55 5.0
12. WB	410NR	*	2167.0	1260.0	2371.0	1329.0	*	215.	71. AG	2020.	3.5	.0	68.0	
13. WB	410NR	*	2371.0	1329.0	2507.0	1424.0	*	166.	55. AG	2020.	3.5	.0	56.0	
14. WB	410NR	*	2508.0	1423.0	2596.0	1498.0	*	116.	50. AG	2020.	3.5	.0	44.0	
15. WB	410NR	*	2596.0	1498.0	2828.0	1760.0	*	350.	42. AG	2020.	3.5	.0	44.0	
16. WB	410SR	*	1425.0	1230.0	1985.0	1240.0	*	560.	89. AG	2230.	3.5	.0	56.0	
17. WB	410SR	*	1465.0	1231.0	1570.6	1232.7	*	106.	89. AG	75.	100.0	.0	36.0	.63 5.4
18. WBDP	410SR	*	425.0	1195.0	1422.0	1234.0	*	998.	88. AG	2280.	3.5	.0	44.0	
19. SB	410SR	*	1427.0	1213.0	1423.0	1441.0	*	228.	359. AG	620.	3.0	.0	56.0	
20. SB	410SR	*	1426.0	1279.0	1424.8	1348.8	*	70.	359. AG	178.	100.0	.0	36.0	.46 3.5
21. SB	410SR	*	1423.0	1441.0	1436.0	1576.0	*	136.	6. AG	620.	3.0	.0	56.0	
22. SB	410SR	*	1438.0	1577.0	1506.0	1865.0	*	296.	13. AG	620.	3.0	.0	44.0	
23. SB	410SR	*	1506.0	1865.0	1636.0	2194.0	*	354.	22. AG	620.	3.0	.0	12.0	
24. SBDP	410SR	*	1509.0	217.0	1516.0	423.0	*	206.	2. AG	735.	3.0	.0	32.0	
25. SBDP	410SR	*	1516.0	423.0	1494.0	658.0	*	236.	355. AG	735.	3.0	.0	32.0	
26. SBDP	410SR	*	1494.0	658.0	1443.0	935.0	*	282.	350. AG	735.	3.0	.0	32.0	
27. SBDP	410SR	*	1443.0	935.0	1429.0	1211.0	*	276.	357. AG	735.	3.0	.0	32.0	
28. SB	I295	*	1535.0	222.0	1561.0	511.0	*	290.	5. AG	4550.	3.6	.0	44.0	
29. SB	I295	*	1562.0	512.0	1548.0	1370.0	*	858.	359. AG	4550.	3.6	.0	44.0	
30. SB	I295	*	1549.0	1371.0	1571.0	1711.0	*	341.	4. AG	4550.	3.6	.0	44.0	
31. SB	I295	*	1571.0	1711.0	1663.0	2184.0	*	482.	11. AG	4550.	3.6	.0	44.0	
32. NB	295NR	*	1970.0	1229.0	1959.0	1008.0	*	221.	183. AG	655.	3.0	.0	56.0	
33. NB	410NR	*	1967.0	1160.0	1963.1	1081.4	*	79.	183. AG	189.	100.0	.0	36.0	.59 4.0
34. NB	295NR	*	1959.0	1008.0	1926.0	828.0	*	183.	190. AG	655.	3.0	.0	56.0	
35. NBALL	295NR	*	1927.0	825.0	1864.0	545.0	*	287.	193. AG	655.	3.0	.0	44.0	
36. NBALL	295NR	*	1864.0	545.0	1783.0	278.0	*	279.	197. AG	655.	3.0	.0	44.0	
37. NBDP	295NR	*	1955.0	2063.0	1935.0	1845.0	*	219.	185. AG	370.	3.0	.0	32.0	
38. NBDP	295NR	*	1935.0	1845.0	1942.0	1667.0	*	178.	178. AG	370.	3.0	.0	32.0	
39. NBDP	295NR	*	1942.0	1667.0	1967.0	1451.0	*	217.	173. AG	370.	3.0	.0	32.0	
40. NBDP	295NR	*	1967.0	1451.0	1990.0	1231.0	*	221.	174. AG	370.	3.0	.0	32.0	
41. NB	I295	*	1929.0	2078.0	1865.0	1711.0	*	373.	190. AG	4925.	3.2	.0	44.0	
42. NB	I295	*	1865.0	1711.0	1834.0	1289.0	*	423.	184. AG	4925.	3.2	.0	44.0	
43. NB	I295	*	1834.0	1289.0	1787.0	597.0	*	694.	184. AG	4925.	3.2	.0	44.0	
44. NB	I295	*	1787.0	597.0	1731.0	261.0	*	341.	189. AG	4925.	3.2	.0	44.0	

JOB: S14 MD410&295NB NB30PM  
DATE: 10/07/2007 TIME: 23:00:06.49

RUN: S14 MD410&295NB NB30PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EB	410SR	*	90	45	2.0	2400	1667	32.10	1	3
4. EB	410NR	*	90	23	2.0	2235	1770	32.10	1	3
11. WB	410NR	*	90	36	2.0	2020	1667	32.10	1	3
17. WB	410SR	*	90	26	2.0	2230	1770	32.10	1	3
20. SB	410SR	*	90	62	2.0	620	1672	32.10	1	3
33. NB	410NR	*	90	66	2.0	655	1672	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. SE COR		*	2001.0	1166.0	5.0	*
2. SE 82S		*	1995.0	1101.0	5.0	*
3. SE 164S		*	1987.0	1019.0	5.0	*
4. SE 256S		*	1973.0	935.0	5.0	*
5. SE MIDS		*	1900.0	581.0	5.0	*
6. SE MIDS		*	1848.0	418.0	5.0	*
7. SE 82E		*	2070.0	1172.0	5.0	*
8. SE 164E		*	2117.0	1160.0	5.0	*
9. SE 256E		*	2227.0	1195.0	5.0	*
10. SE MIDE		*	2501.0	1345.0	5.0	*
11. SE MIDE		*	2628.0	1473.0	5.0	*
12. NE COR		*	2011.0	1289.0	5.0	*



13. NE 82E	*	2076.0	1287.0	5.0	*
14. NE 164E	*	2159.0	1298.0	5.0	*
15. NE 256E	*	2237.0	1319.0	5.0	*
16. NE MIDE	*	2598.0	1546.0	5.0	*
17. NE MIDE	*	2757.0	1725.0	5.0	*
18. NE 82N	*	2001.0	1352.0	5.0	*
19. NE MIDN	*	1959.0	1799.0	5.0	*
20. NE MIDN	*	1977.0	2062.0	5.0	*

1

JOB: S14 MD410&amp;295NB NB30PM

RUN: S14 MD410&amp;295NB NB30PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.3	.3	.2	.3	.6	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.0
5.	*	.4	.4	.4	.1	.2	.2	.5	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0	.1	.0
10.	*	.4	.3	.3	.1	.1	.2	.5	.4	.4	.6	.6	.0	.0	.0	.0	.0	.0	.1	.0
15.	*	.4	.3	.4	.1	.0	.2	.5	.3	.3	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.3	.3	.0	.0	.1	.5	.3	.3	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.6	.3	.2	.0	.0	.0	.5	.4	.4	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.6	.3	.1	.0	.0	.0	.4	.4	.4	.7	.6	.0	.0	.0	.0	.1	.0	.0	.0
35.	*	.6	.3	.0	.0	.0	.0	.5	.3	.4	.6	.6	.0	.0	.0	.0	.1	.0	.0	.0
40.	*	.6	.3	.0	.0	.0	.0	.6	.3	.4	.6	.5	.0	.0	.0	.0	.3	.1	.0	.0
45.	*	.6	.3	.0	.0	.0	.0	.6	.3	.4	.5	.4	.0	.0	.0	.0	.3	.1	.0	.0
50.	*	.6	.2	.0	.0	.0	.0	.5	.4	.6	.3	.3	.0	.0	.0	.1	.4	.1	.0	.0
55.	*	.6	.3	.0	.0	.0	.0	.5	.4	.5	.3	.2	.0	.0	.1	.2	.5	.1	.0	.0
60.	*	.7	.1	.0	.0	.0	.0	.5	.3	.3	.2	.1	.0	.0	.1	.2	.5	.2	.0	.0
65.	*	.7	.1	.0	.0	.0	.0	.5	.3	.2	.2	.1	.0	.0	.2	.3	.5	.2	.0	.0
70.	*	.5	.0	.0	.0	.0	.0	.5	.2	.2	.0	.1	.0	.2	.1	.4	.5	.3	.0	.0
75.	*	.3	.0	.0	.0	.0	.0	.3	.1	.1	.0	.0	.0	.2	.2	.5	.5	.3	.0	.0
80.	*	.3	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.2	.2	.3	.4	.5	.3	.0	.0
85.	*	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.2	.3	.4	.4	.3	.0	.0
90.	*	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.3	.5	.4	.4	.3	.0	.0
95.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.4	.4	.4	.4	.1	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.3	.5	.4	.4	.1	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.3	.5	.4	.4	.1	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.4	.4	.4	.1	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.4	.4	.2	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.3	.3	.4	.4	.2	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6	.4	.3	.4	.4	.3	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6	.4	.3	.4	.4	.3	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.4	.4	.3	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.4	.4	.2	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.3	.3	.4	.4	.3	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.3	.3	.4	.4	.4	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.4	.3	.4	.4	.3	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8	.3	.3	.4	.4	.3	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.3	.4	.4	.3	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7	.3	.3	.5	.4	.3	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.4	.5	.4	.3	.0	.0
180.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.4	.5	.5	.3	.2	.2
185.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7	.3	.3	.4	.5	.3	.2	.3
190.	*	.3	.0	.1	.1	.0	.1	.0	.0	.0	.0	.5	.7	.3	.3	.4	.5	.3	.2	.4
195.	*	.5	.2	.2	.2	.1	.1	.0	.0	.0	.1	.6	.7	.3	.3	.4	.5	.4	.3	.4
200.	*	.5	.3	.3	.3	.2	.1	.0	.0	.0	.1	.6	.9	.3	.3	.4	.5	.4	.4	.5
205.	*	.6	.3	.3	.3	.2	.2	.1	.0	.0	.1	.6	.9	.6	.3	.4	.5	.4	.3	.6

1

JOB: S14 MD410&amp;295NB NB30PM

RUN: S14 MD410&amp;295NB NB30PM

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## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.6	.3	.3	.3	.2	.1	.1	.0	.0	.1	.6	.9	.6	.3	.5	.5	.5	.4	.4
215.	*	.8	.4	.2	.3	.3	.2	.1	.0	.1	.2	.7	.9	.5	.4	.4	.3	.5	.4	.5
220.	*	.9	.6	.3	.2	.2	.3	.2	.1	.1	.1	.3	.6	1.0	.7	.5	.4	.3	.5	.4
225.	*	.9	.6	.4	.3	.3	.3	.1	.1	.1	.1	.4	.7	1.0	.8	.5	.3	.2	.5	.3
230.	*	.9	.6	.4	.4	.3	.3	.2	.1	.2	.6	.7	1.1	.8	.8	.2	.2	.5	.4	.5
235.	*	.8	.7	.3	.4	.4	.3	.4	.3	.2	.3	.6	.8	1.0	.8	.8	.1	.1	.4	.5
240.	*	.8	.7	.3	.4	.4	.4	.4	.3	.2	.5	.7	.8	.9	.8	.7	.0	.0	.4	.5
245.	*	.8	.7	.3	.4	.4	.4	.4	.3	.2	.6	.7	.5	.8	.9	.8	.0	.0	.5	.3
250.	*	.7	.8	.3	.4	.4	.4	.4	.3	.3	.7	.7	.5	.9	.8	.7	.0	.0	.5	.4
255.	*	.7	.7	.2	.3	.4	.4	.6	.3	.5	.7	.6	.5	.8	.8	.7	.0	.0	.6	.4
260.	*	.6	.8	.2	.4	.4	.4	.5	.4	.6	.5	.5	.6	.8	.8	.7	.0	.0	.4	.4
265.	*	.9	.8	.3	.4	.4	.4	.6	.4	.6	.5	.5	.7	.7	.6	.5	.0	.0	.3	.4
270.	*	.9	1.0	.4	.4	.4	.4	.9	.6	.9	.5	.5	.6	.5	.2	.0	.0	.1	.4	.4
275.	*	.9	1.1	.5	.4	.4	.4	.8	.6	.8	.5	.5	.4	.3	.3	.1	.0	.0	.2	.4
280.	*	1.0	1.1	.5	.4	.4	.4	.7	.5	.8	.5	.5	.2	.3	.2	.1	.0	.0	.3	.4
285.	*	1.0	1.0	.4	.5	.4	.4	.7	.5	.6	.6	.5	.2	.1	.1	.1	.0	.0	.3	.4
290.	*	1.0	1.0	.4	.4	.3	.4	.6	.5	.5	.5	.4	.2	.2	.1	.1	.0	.0	.3	.4
295.	*	.8	1.0	.6	.4	.4	.4	.7	.6	.5	.5	.4	.2	.2	.1	.1	.0	.0	.3	.4
300.	*	1.0	.9	.6	.4	.4	.4	.8	.6	.5	.5	.5	.2	.2	.1	.1	.0	.0	.3	.4

305.	*	.9	.9	.6	.5	.4	.4	.7	.6	.5	.4	.5	.3	.1	.1	.1	.0	.0	.3	.4	.1
310.	*	.9	1.1	.4	.5	.4	.4	.7	.5	.5	.4	.5	.3	.1	.1	.1	.0	.0	.2	.4	.0
315.	*	.7	1.2	.5	.5	.4	.4	.7	.5	.5	.4	.5	.2	.1	.1	.0	.0	.0	.2	.4	.0
320.	*	.6	1.1	.6	.5	.4	.4	.6	.6	.5	.4	.4	.2	.2	.1	.0	.0	.0	.3	.4	.0
325.	*	.6	1.0	.6	.5	.4	.4	.6	.6	.3	.4	.4	.3	.2	.1	.1	.0	.0	.3	.3	.0
330.	*	.5	.8	.7	.4	.4	.5	.5	.6	.3	.4	.5	.2	.1	.1	.1	.0	.0	.2	.3	.0
335.	*	.5	.8	.7	.5	.4	.5	.6	.6	.3	.4	.5	.2	.2	.1	.0	.0	.0	.3	.3	.0
340.	*	.5	.7	.6	.5	.3	.5	.6	.5	.3	.4	.5	.2	.1	.1	.0	.0	.0	.2	.3	.0
345.	*	.5	.8	.6	.4	.3	.5	.6	.5	.3	.4	.5	.2	.1	.0	.0	.0	.0	.2	.2	.0
350.	*	.6	.7	.5	.3	.3	.4	.5	.5	.3	.3	.5	.1	.1	.0	.0	.0	.0	.1	.2	.0
355.	*	.5	.5	.4	.3	.3	.4	.6	.4	.3	.4	.5	.1	.0	.0	.0	.0	.0	.1	.2	.0
360.	*	.3	.3	.3	.3	.2	.3	.6	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1	.0
MAX	*	1.0	1.2	.7	.5	.4	.5	.9	.6	.9	.7	.7	.8	1.1	.9	.8	.5	.5	.6	.4	.6
DEGR.	*	280	315	330	285	235	330	270	270	270	25	240	235	230	245	230	55	180	255	200	205

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 315 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 230 DEGREES FROM REC13.  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 280 DEGREES FROM REC1 .

S14 MD410&NB 295 LBRT30AM			60.0321.0.0000.000220.30480000	1	1
SE COR	339603.	471404.	5.0		
SE 82S	339596.	471332.	5.0		
SE 164S	339585.	471250.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339669.	471404.	5.0		
SE 164W	339751.	471420.	5.0		
SE 256W	339829.	471438.	5.0		
SE MIDW	340015.	471522.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 LBRT30AM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	30 3.2 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
110	101	2.0 30 32.1 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	1445 3.2 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
110	13	2.0 1445 32.1 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2245 3.5 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
110	21	2.0 2245 32.1 1759 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	2245 3.5 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	1545 3.2 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
110	69	2.0 1545 32.1 1667 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	320 3.5 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
110	82	2.0 320 32.1 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1959 3.5 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
110	27	2.0 1959 32.1 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	320 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	81	2.0 320 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	105 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	81	2.0 105 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	515 3.0 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	315 3.5 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
110	82	2.0 315 32.1 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1174 3.5 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
110	17	2.0 1174 32.1 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	1244 3.5 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	2190 3.2 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
110	58	2.0 2190 32.1 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	2190 3.2 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	2190	3.2	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	440	3.0	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
110		91	2.0 440 32.1 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	630	3.0	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	3125	4.5	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	3125	4.5	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4700	3.4	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4700	3.4	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	0.6	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	0.6	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	0.6	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	0.6	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	0.6	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
110		13	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	0.6	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
110		69	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	0.6	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	0.6	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
110		17	2.0 34 4.4 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	0.5	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	0.5	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
110		21	2.0 34 4.4 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	0.5	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
110		27	2.0 34 4.4 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	0.5	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		58	2.0 34 4.4 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	0.5	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	0.5	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	0.5	0.	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S14 MD410&NB 295 LBRT30AM  
DATE: 10/14/2007 TIME: 08:56:31.61

RUN: S14 MD410&NB 295 LBRT30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	30.	3.2	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338490.5	471428.6	*	17.	268. AG	79.	100.0	.0	12.0	.38 .8
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	1445.	3.2	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	338307.0	471403.7	*	213.	269. AG	10.	100.0	.0	12.0	.97 10.8
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2245.	3.5	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338764.8	471459.6	*	129.	88. AG	33.	100.0	.0	24.0	.83 6.5
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	2245.	3.5	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	1545.	3.2	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	338803.4	471416.6	*	243.	269. AG	162.	100.0	.0	36.0	.92 12.3
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	320.	3.5	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339289.6	471452.3	*	161.	88. AG	64.	100.0	.0	12.0	.83 8.2
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1959.	3.5	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339275.5	471473.2	*	145.	89. AG	42.	100.0	.0	24.0	.77 7.3
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	320.	3.0	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339070.6	471676.3	*	175.	1. AG	63.	100.0	.0	12.0	.89 8.9
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	105.	3.0	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471523.0	*	23.	360. AG	127.	100.0	.0	24.0	.13 1.2
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	515.	3.0	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	315.	3.5	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339417.1	471446.0	*	156.	268. AG	64.	100.0	.0	12.0	.82 7.9
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1174.	3.5	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339510.5	471435.5	*	55.	268. AG	27.	100.0	.0	24.0	.41 2.8
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	1244.	3.5	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	1244.	3.5	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	1244.	3.5	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	1244.	3.5	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	1244.	3.5	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	2190.	3.2	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339780.5	471478.0	*	173.	90. AG	182.	100.0	.0	48.0	.75 8.8
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	2190.	3.2	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	2190.	3.2	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	440.	3.0	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339562.8	471325.2	*	74.	185. AG	214.	100.0	.0	36.0	.64 3.8
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	630.	3.0	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	3125.	4.5	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	3125.	4.5	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4700.	3.4	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4700.	3.4	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	.6	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	.6	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	.6	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	.6	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	.6	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339549.6	471419.9	*	2.	265. AG	1.	100.0	.0	12.0	.02 .1

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RUN: S14 MD410&NB 295 LBRT30AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	.6	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339031.2	471406.8	*	13.	267. AG	7.	100.0	.0	12.0	.06 .7
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	.6	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	.6	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338495.9	471389.0	*	3.	266. AG	2.	100.0	.0	12.0	.02 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	.5	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	.5	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338643.9	471472.2	*	4.	86. AG	2.	100.0	.0	12.0	.02 .2
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	.5	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339137.0	471491.0	*	5.	90. AG	3.	100.0	.0	12.0	.03 .3
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	.5	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339625.7	471493.2	*	11.	84. AG	6.	100.0	.0	12.0	.05 .5
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	.5	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	.5	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	.5	.0	32.0	

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RUN: S14 MD410&NB 295 LBRT30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	110	101	2.0	30	1770	32.10	1	3
4.	EBT	410&64	*	110	13	2.0	1445	1770	32.10	1	3
6.	WBALL	410&64	*	110	21	2.0	2245	1759	32.10	1	3
9.	EBALL	410&SB	*	110	69	2.0	1545	1667	32.10	1	3
11.	WBL	410&SB	*	110	82	2.0	320	1770	32.10	1	3
13.	WBT	410&SB	*	110	27	2.0	1959	1770	32.10	1	3
15.	SBR	410&SB	*	110	81	2.0	320	1583	32.10	1	3
17.	SBL	410&SB	*	110	81	2.0	105	1717	32.10	1	3
20.	EBL	410&NB	*	110	82	2.0	315	1770	32.10	1	3
22.	EBT	410&NB	*	110	17	2.0	1174	1770	32.10	1	3
29.	WBALL	410&NB	*	110	58	2.0	2190	1667	32.10	1	3
33.	NBALL	410&NB	*	110	91	2.0	440	1672	32.10	1	3
44.	EBT	410BUS	*	110	13	2.0	34	1717	4.40	1	3
46.	EBT	410BUS	*	110	69	2.0	34	1717	4.40	1	3
49.	EBT	410BUS	*	110	17	2.0	34	1717	4.40	1	3
52.	WB	410BUS	*	110	21	2.0	34	1762	4.40	1	3
54.	WB	410BUS	*	110	27	2.0	34	1770	4.40	1	3
56.	WBALL	410BUS	*	110	58	2.0	34	1667	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	339603.0	471404.0	5.0	*
2. SE 82S	*	339596.0	471332.0	5.0	*
3. SE 164S	*	339585.0	471250.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339669.0	471404.0	5.0	*
8. SE 164W	*	339751.0	471420.0	5.0	*
9. SE 256W	*	339829.0	471438.0	5.0	*
10. SE MIDW	*	340015.0	471522.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.3	.4	.3	.3	.2	.5	.6	.3	.2	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0
5.	*	.4	.3	.3	.2	.1	.2	.5	.5	.3	.2	.0	.1	.1	.0	.1	.1	.0	.0	.0	.0
10.	*	.4	.2	.2	.2	.0	.0	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.4	.2	.2	.1	.0	.0	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.5	.4	.1	.1	.0	.0	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.5	.4	.1	.1	.0	.0	.6	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.5	.4	.1	.1	.0	.0	.6	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.5	.3	.1	.1	.0	.0	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.5	.3	.1	.0	.0	.0	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.6	.2	.1	.0	.0	.0	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.6	.2	.0	.0	.0	.0	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.6	.2	.0	.0	.0	.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.6	.1	.0	.0	.0	.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1
65.	*	.5	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
70.	*	.4	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.3	.2
80.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.3	.2
85.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.3	.2
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	.2	.2
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.3	.2	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.4	.2	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0	.5	.3	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.6	.3	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.8	.3	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.7	.2	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.7	.2	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.0	.0	.0	.8	.2	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.2	.0	.0	.0	.8	.2	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.1	.1	.0	.0	.7	.4	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.1	.1	.0	.0	.7	.4	.3

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150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .1 .1 .0 .0 .7 .4 .3
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .1 .1 .0 .0 .5 .4 .3
160. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .1 .1 .0 .0 .7 .5 .3
165. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .2 .1 .1 .1 .7 .5 .3
170. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .1 .2 .1 .1 .7 .6 .3
175. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .2 .2 .2 .2 .7 .6 .3
180. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3 .2 .2 .3 .8 .6 .2
185. * .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .0 .5 .4 .3 .2 .2 .3 .7 .6 .2
190. * .4 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .7 .5 .2 .3 .3 .4 .8 .7 .2
195. * .5 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .6 .4 .3 .4 .4 .5 .8 .7 .2
200. * .5 .2 .2 .2 .2 .1 .1 .1 .0 .0 .0 .8 .6 .5 .4 .4 .4 .9 .7 .4
205. * .8 .4 .4 .3 .2 .1 .1 .1 .1 .0 .0 .9 .5 .5 .4 .5 .4 1.0 .7 .5

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----
210. * .8 .4 .4 .4 .2 .2 .2 .1 .1 .0 .0 .8 .5 .5 .4 .4 .4 1.0 .8 .5
215. * .9 .4 .4 .4 .3 .2 .2 .2 .1 .0 .0 .8 .5 .5 .4 .4 .4 1.0 .9 .6
220. * .8 .4 .4 .4 .4 .2 .3 .2 .2 .1 .0 .7 .5 .5 .4 .4 .4 .9 1.1 .6
225. * .8 .4 .4 .3 .4 .2 .3 .2 .2 .1 .0 .8 .5 .5 .4 .4 .4 .9 1.0 .6
230. * .8 .4 .3 .3 .3 .1 .3 .2 .2 .1 .0 .8 .5 .5 .4 .4 .4 .9 1.0 .6
235. * .8 .4 .3 .3 .3 .1 .4 .3 .2 .2 .2 .8 .5 .4 .4 .4 .4 .9 .9 .6
240. * .8 .4 .3 .3 .3 .3 .4 .3 .2 .2 .3 .8 .5 .4 .3 .4 .4 .9 .7 .7
245. * .6 .5 .3 .3 .3 .3 .4 .3 .2 .2 .2 .8 .4 .3 .3 .4 .4 .7 .8 .6
250. * .6 .4 .3 .3 .3 .3 .4 .3 .3 .3 .2 .5 .5 .4 .4 .4 .4 .6 .6 .5
255. * .6 .5 .2 .2 .2 .2 .4 .3 .4 .4 .2 .5 .4 .4 .4 .4 .4 .5 .4 .4
260. * .6 .5 .2 .2 .2 .3 .4 .3 .4 .5 .2 .6 .4 .4 .4 .4 .4 .5 .4 .4
265. * .5 .6 .2 .2 .2 .3 .4 .5 .5 .5 .2 .5 .3 .3 .4 .4 .4 .5 .4 .3
270. * .5 .6 .2 .2 .3 .3 .4 .6 .6 .3 .1 .4 .3 .3 .4 .4 .4 .4 .4 .2
275. * .5 .7 .3 .2 .3 .3 .5 .6 .7 .3 .1 .4 .3 .3 .4 .4 .4 .3 .2 .2
280. * .7 .6 .2 .2 .3 .3 .7 .7 .9 .2 .1 .4 .3 .3 .4 .4 .4 .2 .2 .1
285. * .7 .8 .2 .2 .2 .3 .6 .7 1.0 .3 .1 .3 .4 .3 .4 .4 .4 .2 .2 .2
290. * .6 .9 .1 .2 .2 .2 .6 .7 .9 .3 .0 .3 .4 .4 .4 .4 .4 .2 .2 .2
295. * .5 1.0 .3 .3 .3 .3 .5 .8 .8 .5 .0 .3 .4 .4 .4 .4 .4 .2 .2 .2
300. * .5 1.0 .3 .2 .3 .3 .5 .8 .6 .4 .0 .3 .3 .4 .4 .4 .4 .3 .2 .2
305. * .5 1.0 .4 .3 .3 .3 .6 .9 .7 .3 .0 .4 .3 .4 .4 .4 .4 .3 .2 .2
310. * .5 1.0 .4 .3 .3 .3 .6 .9 .6 .3 .0 .4 .4 .4 .4 .4 .4 .3 .2 .2
315. * .5 1.1 .4 .3 .3 .3 .8 .9 .6 .3 .0 .4 .4 .4 .4 .4 .4 .3 .2 .2
320. * .5 1.0 .5 .3 .3 .3 .7 .9 .5 .3 .0 .3 .4 .4 .4 .4 .4 .2 .2 .1
325. * .6 1.0 .6 .4 .4 .4 .6 .9 .4 .2 .0 .4 .4 .4 .4 .4 .3 .2 .2 .1
330. * .5 1.0 .5 .4 .4 .4 .6 .8 .4 .2 .0 .4 .4 .4 .4 .4 .3 .2 .2 .1
335. * .5 1.0 .7 .3 .4 .5 .7 .8 .3 .2 .0 .4 .4 .3 .3 .3 .3 .2 .1 .0
340. * .5 .8 .6 .5 .4 .4 .6 .7 .2 .2 .0 .3 .3 .3 .3 .2 .1 .1 .0
345. * .3 .6 .5 .5 .3 .4 .6 .7 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0
350. * .6 .5 .5 .4 .3 .4 .6 .6 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0
355. * .5 .4 .4 .4 .3 .2 .5 .6 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0
360. * .5 .3 .4 .3 .3 .2 .5 .6 .3 .2 .0 .1 .1 .1 .1 .1 .1 .0 .0
-----
MAX * .9 1.1 .7 .5 .4 .5 .8 .9 1.0 .5 .3 .9 .6 .5 .4 .5 .5 1.0 1.1 .7
DEGR. * 215 315 335 340 220 335 315 305 285 260 240 205 200 200 195 205 195 205 220 240

```

1

JOB: S14 MD410&NB 295 LBRT30AM

RUN: S14 MD410&NB 295 LBRT30AM

PAGE 6

# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22
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```

```

0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .0 .0
45. * .1 .0
50. * .1 .0
55. * .1 .0
60. * .2 .0
65. * .2 .0
70. * .2 .0
75. * .2 .0
80. * .3 .0
85. * .3 .0
90. * .3 .0
95. * .3 .0
100. * .3 .0
105. * .2 .0

```

110.	*	.2	.0
115.	*	.2	.0
120.	*	.2	.0
125.	*	.3	.0
130.	*	.3	.0
135.	*	.3	.0
140.	*	.3	.0
145.	*	.3	.0
150.	*	.3	.0
155.	*	.3	.0
160.	*	.3	.0
165.	*	.3	.0
170.	*	.3	.0
175.	*	.3	.0
180.	*	.3	.0
185.	*	.3	.0
190.	*	.2	.1
195.	*	.3	.1
200.	*	.3	.1
205.	*	.3	.1

1

JOB: S14 MD410&NB 295 LBRT30AM

RUN: S14 MD410&NB 295 LBRT30AM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.3	.1
215.	*	.3	.1
220.	*	.4	.1
225.	*	.5	.2
230.	*	.5	.2
235.	*	.5	.2
240.	*	.4	.1
245.	*	.3	.0
250.	*	.3	.0
255.	*	.2	.0
260.	*	.1	.0
265.	*	.0	.0
270.	*	.1	.0
275.	*	.1	.0
280.	*	.1	.0
285.	*	.2	.0
290.	*	.2	.1
295.	*	.2	.0
300.	*	.2	.0
305.	*	.2	.0
310.	*	.1	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .5 .2

DEGR. \* 225 225

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 315 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 220 DEGREES FROM REC19.  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 285 DEGREES FROM REC9 .



S14 MD410&NB 295 LBRT30PM			60.0321.0.0000.000220.30480000	1	1
SE COR	339603.	471404.	5.0		
SE 82S	339596.	471332.	5.0		
SE 164S	339585.	471250.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339669.	471404.	5.0		
SE 164W	339751.	471420.	5.0		
SE 256W	339829.	471438.	5.0		
SE MIDW	340015.	471522.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 LBRT30PM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	100 3.7 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
130	114	2.0 100 32.1 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	2320 3.7 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
130	12	2.0 2320 32.1 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2285 3.7 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
130	27	2.0 2285 32.1 1757 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	2250 3.5 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	2500 3.7 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
130	74	2.0 2500 32.1 1667 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	345 3.7 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
130	100	2.0 345 32.1 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1919 3.7 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
130	30	2.0 1919 32.1 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	395 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
130	98	2.0 395 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	225 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
130	98	2.0 225 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	735 3.0 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	200 4.2 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
130	110	2.0 200 32.1 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	2069 4.2 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
130	23	2.0 2069 32.1 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	2344 4.2 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	2020 3.2 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
130	74	2.0 2020 32.1 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	2020 3.2 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	2020	3.2	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	655	3.0	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
130		105	2.0 655 32.1 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	370	3.0	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	4925	3.2	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	4925	3.2	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4550	3.6	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4550	3.6	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	0.7	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	0.7	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	0.7	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	0.7	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	0.7	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
130		12	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	0.7	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
130		74	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	0.7	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	0.7	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
130		23	2.0 34 4.4 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	0.9	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	0.9	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
130		27	2.0 34 4.4 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	0.9	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
130		30	2.0 34 4.4 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	0.9	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		74	2.0 34 4.4 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	0.9	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	0.9	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	0.9	0.	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S14 MD410&NB 295 LBRT30PM  
DATE: 10/14/2007 TIME: 09:22:15.40

RUN: S14 MD410&NB 295 LBRT30PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	100.	3.7	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338443.3	471427.4	*	64.	269. AG	76.	100.0	.0	12.0	.61 3.2
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	2320.	3.7	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	330522.5	471207.9	*	8000.	269. AG	8.	100.0	.0	12.0	1.49 406.4
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2285.	3.7	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338805.8	471461.1	*	170.	88. AG	36.	100.0	.0	24.0	.85 8.6
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	2250.	3.5	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	2500.	3.7	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	336908.8	471382.0	*	2138.	269. AG	147.	100.0	.0	36.0	1.25 108.6
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	345.	3.7	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339390.7	471455.0	*	262.	89. AG	66.	100.0	.0	12.0	.97 13.3
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1919.	3.7	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339288.3	471473.4	*	157.	89. AG	40.	100.0	.0	24.0	.73 8.0
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	395.	3.0	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339080.7	472358.0	*	857.	1. AG	65.	100.0	.0	12.0	1.16 43.5
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	225.	3.0	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471560.0	*	60.	360. AG	130.	100.0	.0	24.0	.30 3.0
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	735.	3.0	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	200.	4.2	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339413.8	471445.9	*	159.	269. AG	73.	100.0	.0	12.0	.92 8.1
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	2069.	4.2	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339435.0	471433.4	*	130.	269. AG	30.	100.0	.0	24.0	.74 6.6
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	2344.	4.2	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	2344.	4.2	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	2344.	4.2	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	2344.	4.2	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	2344.	4.2	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	2020.	3.2	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339811.4	471478.0	*	204.	90. AG	196.	100.0	.0	48.0	.76 10.4
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	2020.	3.2	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	2020.	3.2	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	655.	3.0	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339557.4	471260.5	*	139.	185. AG	209.	100.0	.0	36.0	.81 7.1
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	370.	3.0	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4925.	3.2	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4925.	3.2	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4550.	3.6	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4550.	3.6	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	.7	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	.7	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	.7	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	.7	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	.7	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339549.8	471419.9	*	2.	268. AG	1.	100.0	.0	12.0	.02 .1

JOB: S14 MD410&NB 295 LBRT30PM  
DATE: 10/14/2007 TIME: 09:22:15.40

RUN: S14 MD410&NB 295 LBRT30PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	.7	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339030.2	471406.8	*	14.	270. AG	7.	100.0	.0	12.0	.05 .7
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	.7	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	.7	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338494.7	471388.9	*	4.	270. AG	2.	100.0	.0	12.0	.03 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	.9	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	.9	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338645.0	471472.3	*	5.	90. AG	2.	100.0	.0	12.0	.03 .3
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	.9	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339137.6	471491.0	*	6.	90. AG	3.	100.0	.0	12.0	.03 .3
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	.9	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339628.7	471493.6	*	14.	83. AG	8.	100.0	.0	12.0	.07 .7
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	.9	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	.9	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	.9	.0	32.0	

JOB: S14 MD410&NB 295 LBRT30PM  
DATE: 10/14/2007 TIME: 09:22:15.40

RUN: S14 MD410&NB 295 LBRT30PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	130	114	2.0	100	1770	32.10	1	3
4.	EBT	410&64	*	130	12	2.0	2320	1770	32.10	1	3
6.	WBALL	410&64	*	130	27	2.0	2285	1757	32.10	1	3
9.	EBALL	410&SB	*	130	74	2.0	2500	1667	32.10	1	3
11.	WBL	410&SB	*	130	100	2.0	345	1770	32.10	1	3
13.	WBT	410&SB	*	130	30	2.0	1919	1770	32.10	1	3
15.	SBR	410&SB	*	130	98	2.0	395	1583	32.10	1	3
17.	SBL	410&SB	*	130	98	2.0	225	1717	32.10	1	3
20.	EBL	410&NB	*	130	110	2.0	200	1770	32.10	1	3
22.	EBT	410&NB	*	130	23	2.0	2069	1770	32.10	1	3
29.	WBALL	410&NB	*	130	74	2.0	2020	1667	32.10	1	3
33.	NBALL	410&NB	*	130	105	2.0	655	1672	32.10	1	3
44.	EBT	410BUS	*	130	12	2.0	34	1717	4.40	1	3
46.	EBT	410BUS	*	130	74	2.0	34	1717	4.40	1	3
49.	EBT	410BUS	*	130	23	2.0	34	1717	4.40	1	3
52.	WB	410BUS	*	130	27	2.0	34	1762	4.40	1	3
54.	WB	410BUS	*	130	30	2.0	34	1770	4.40	1	3
56.	WBALL	410BUS	*	110	74	2.0	34	1667	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339603.0	471404.0	5.0	*
2. SE 82S	*	339596.0	471332.0	5.0	*
3. SE 164S	*	339585.0	471250.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339669.0	471404.0	5.0	*
8. SE 164W	*	339751.0	471420.0	5.0	*
9. SE 256W	*	339829.0	471438.0	5.0	*
10. SE MIDW	*	340015.0	471522.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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JOB: S14 MD410&NB 295 LBRT30PM

RUN: S14 MD410&NB 295 LBRT30PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.5	.7	.4	.4	.2	.7	.8	.4	.4	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
5.	*	.5	.3	.6	.4	.2	.2	.7	.8	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.6	.3	.4	.3	.2	.1	.7	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.7	.4	.3	.2	.1	.1	.6	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.7	.4	.3	.2	.0	.0	.6	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.7	.4	.2	.1	.0	.0	.7	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.7	.4	.2	.1	.0	.0	.7	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.7	.3	.1	.1	.0	.0	.8	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.8	.4	.1	.1	.0	.0	.7	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.9	.5	.1	.0	.0	.0	.7	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.9	.5	.1	.0	.0	.0	.7	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.9	.4	.0	.0	.0	.0	.8	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.9	.2	.0	.0	.0	.0	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
65.	*	.9	.2	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
70.	*	.7	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3
75.	*	.6	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.3	.4
80.	*	.4	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.4	.4
85.	*	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.2	.4	.3
90.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.4	.3
95.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.5	.4	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.7	.3	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.7	.3	.4
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.7	.3	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.3	.0	.0	.0	.0	.8	.4	.4
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.4	.1	.0	.0	.0	.8	.5	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.4	.2	.0	.0	.0	.8	.5	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.0	.0	.0	.8	.6	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.1	.1	.0	.0	.8	.6	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.1	.1	.0	.0	.8	.5	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.2	.1	.0	.0	.9	.6	.4

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150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .9 .5 .2 .1 .0 .0 .8 .6 .4
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .9 .4 .2 .1 .0 .0 .8 .7 .4
160. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .8 .4 .2 .1 .1 .0 .7 .8 .3
165. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .2 .1 .1 .0 .8 .8 .3
170. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .5 .2 .1 .1 .0 .8 .8 .3
175. * .1 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .2 .1 .2 .3 .9 .8 .3
180. * .3 .2 .1 .1 .1 .1 .0 .0 .0 .0 .0 .6 .5 .3 .4 .2 .3 .9 .8 .4
185. * .4 .3 .2 .1 .1 .1 .0 .0 .0 .0 .0 .8 .3 .3 .3 .3 .9 .7 .5
190. * .5 .4 .2 .2 .1 .1 .0 .0 .0 .0 .0 1.0 .5 .4 .4 .3 .4 1.1 .7 .5
195. * .6 .4 .2 .2 .2 .1 .0 .0 .0 .0 .0 .9 .5 .6 .4 .4 .5 1.1 .7 .4
200. * .8 .6 .3 .2 .2 .1 .1 .1 .0 .0 .0 1.0 .6 .6 .5 .4 .4 1.1 .9 .5
205. * 1.0 .8 .4 .3 .2 .1 .2 .1 .1 .0 .0 .9 .6 .5 .5 .5 .4 1.1 .9 .6

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JOB: S14 MD410&NB 295 LBRT30PM

RUN: S14 MD410&NB 295 LBRT30PM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----*-----
210. * 1.0 .9 .4 .4 .3 .2 .3 .1 .1 .0 .0 .7 .5 .5 .5 .4 .4 1.1 1.0 .6
215. * 1.0 .9 .4 .4 .3 .2 .3 .2 .1 .1 .0 .7 .5 .5 .5 .3 .3 1.1 1.1 .7
220. * 1.0 .9 .4 .4 .4 .2 .4 .2 .2 .1 .0 .8 .5 .5 .6 .3 .3 1.2 1.0 .9
225. * 1.0 1.0 .4 .4 .4 .2 .4 .3 .2 .1 .2 .7 .5 .5 .4 .3 .3 1.1 1.0 1.0
230. * .9 1.0 .4 .4 .4 .3 .4 .3 .2 .1 .2 .8 .5 .5 .3 .3 .3 1.1 1.0 1.0
235. * .9 1.0 .4 .4 .4 .3 .5 .3 .3 .2 .4 .8 .5 .4 .3 .4 .4 1.0 1.1 .9
240. * .9 1.0 .4 .4 .4 .4 .5 .3 .3 .4 .5 .8 .5 .5 .3 .4 .4 .8 1.1 1.0
245. * .8 1.0 .4 .4 .4 .4 .4 .3 .3 .3 .5 .8 .4 .3 .4 .4 .3 .9 1.0 .6
250. * .8 1.0 .4 .4 .4 .4 .4 .4 .4 .5 .4 .8 .6 .4 .4 .4 .3 .7 .8 .6
255. * .9 1.0 .4 .4 .4 .4 .5 .5 .7 .6 .3 .6 .6 .4 .4 .4 .3 .7 .7 .6
260. * .9 1.1 .4 .4 .4 .4 .6 .6 .7 .7 .3 .7 .5 .4 .4 .3 .3 .6 .6 .6
265. * .9 1.1 .6 .4 .4 .4 .4 .7 1.0 .6 .3 .7 .4 .4 .4 .3 .3 .7 .6 .4
270. * .9 1.1 .6 .5 .4 .4 .7 .8 1.0 .7 .2 .6 .4 .3 .3 .3 .3 .5 .5 .3
275. * 1.1 1.2 .6 .5 .4 .4 .9 .9 1.2 .5 .2 .5 .3 .3 .3 .3 .4 .3 .2
280. * 1.1 1.1 .7 .5 .5 .4 .9 1.0 1.5 .5 .1 .4 .2 .3 .3 .3 .3 .3 .2 .1
285. * 1.2 1.3 .7 .5 .5 .4 .8 1.1 1.4 .6 .0 .3 .3 .3 .3 .3 .3 .2 .2 .2
290. * 1.0 1.2 .8 .5 .5 .4 .8 1.1 1.3 .6 .1 .2 .3 .3 .3 .3 .3 .2 .2 .2
295. * 1.0 1.2 .9 .5 .5 .5 .7 1.0 1.2 .6 .1 .2 .3 .3 .3 .3 .3 .3 .2 .2
300. * 1.0 1.2 .9 .4 .5 .5 .7 1.0 1.0 .5 .1 .2 .3 .3 .3 .3 .3 .3 .2 .2
305. * .9 1.2 1.1 .5 .5 .5 .9 1.0 1.1 .5 .0 .3 .2 .3 .3 .3 .3 .2 .2 .2
310. * .8 1.2 1.1 .5 .4 .5 .8 1.1 1.1 .4 .0 .3 .3 .3 .3 .3 .3 .2 .2 .2
315. * .7 1.3 1.1 .5 .4 .4 1.0 1.0 1.0 .4 .0 .3 .3 .3 .3 .3 .3 .2 .2 .2
320. * .8 1.3 1.2 .5 .4 .4 .9 1.1 1.0 .4 .0 .3 .4 .3 .3 .4 .2 .2 .2 .1
325. * .8 1.2 1.2 .6 .4 .4 .8 1.1 .9 .3 .0 .4 .4 .4 .4 .3 .2 .2 .2 .1
330. * .7 1.2 1.2 .6 .4 .4 .9 1.0 .8 .3 .0 .4 .4 .4 .4 .3 .2 .2 .1 .1
335. * .6 1.1 1.3 .6 .4 .5 .9 .9 .7 .3 .0 .4 .4 .3 .3 .3 .2 .1 .1 .1
340. * .6 1.0 1.3 .7 .4 .4 .8 .9 .6 .3 .0 .3 .3 .3 .3 .3 .2 .1 .1 .0
345. * .7 .8 1.1 .7 .4 .4 .8 .9 .5 .3 .0 .3 .3 .3 .2 .2 .1 .1 .0 .0
350. * .6 .7 1.0 .6 .4 .4 .8 .8 .5 .3 .0 .2 .2 .2 .2 .2 .0 .1 .0 .0
355. * .7 .7 .8 .6 .4 .2 .8 .8 .5 .3 .0 .2 .2 .1 .2 .1 .0 .0 .0 .0
360. * .6 .5 .7 .4 .4 .2 .7 .8 .4 .4 .0 .1 .1 .0 .0 .0 .0 .0 .0 .0
-----*-----
MAX * 1.2 1.3 1.3 .7 .5 .5 1.0 1.1 1.5 .7 .5 1.1 .6 .6 .6 .5 .5 1.2 1.1 1.0
DEGR. * 285 285 335 340 280 295 315 285 280 260 240 115 200 195 220 205 195 220 235 225

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JOB: S14 MD410&NB 295 LBRT30PM

RUN: S14 MD410&NB 295 LBRT30PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22
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0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .0 .0
45. * .1 .0
50. * .1 .0
55. * .1 .0
60. * .1 .0
65. * .3 .0
70. * .3 .0
75. * .3 .0
80. * .3 .0
85. * .3 .0
90. * .3 .0
95. * .3 .0
100. * .3 .0
105. * .3 .0

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110.	*	.4	.0
115.	*	.4	.0
120.	*	.4	.0
125.	*	.3	.0
130.	*	.3	.0
135.	*	.3	.0
140.	*	.4	.0
145.	*	.4	.0
150.	*	.4	.0
155.	*	.4	.0
160.	*	.4	.0
165.	*	.4	.0
170.	*	.4	.0
175.	*	.3	.0
180.	*	.3	.0
185.	*	.4	.1
190.	*	.4	.1
195.	*	.4	.2
200.	*	.5	.2
205.	*	.3	.2

1

JOB: S14 MD410&NB 295 LBRT30PM

RUN: S14 MD410&NB 295 LBRT30PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.4	.2
215.	*	.5	.2
220.	*	.6	.3
225.	*	.7	.2
230.	*	.6	.3
235.	*	.5	.2
240.	*	.4	.2
245.	*	.3	.1
250.	*	.4	.0
255.	*	.3	.1
260.	*	.2	.1
265.	*	.2	.0
270.	*	.2	.0
275.	*	.1	.1
280.	*	.2	.1
285.	*	.2	.1
290.	*	.2	.1
295.	*	.2	.1
300.	*	.2	.1
305.	*	.2	.0
310.	*	.1	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .7 .3

DEGR. \* 225 220

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 280 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 285 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC3 .

S14 MD410&NB 295 HBRT30AM			60.0321.0.0000.000220.30480000	1	1
SE COR	339603.	471404.	5.0		
SE 82S	339596.	471332.	5.0		
SE 164S	339585.	471250.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339669.	471404.	5.0		
SE 164W	339751.	471420.	5.0		
SE 256W	339829.	471438.	5.0		
SE MIDW	340015.	471522.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 HBRT30AM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	30 3.2 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
110	101	2.0 30 32.1 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	1445 3.2 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
110	13	2.0 1445 32.1 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2245 3.5 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
110	21	2.0 2245 32.1 1759 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	2245 3.5 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	1545 3.2 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
110	69	2.0 1545 32.1 1667 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	320 3.5 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
110	82	2.0 320 32.1 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1959 3.5 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
110	27	2.0 1959 32.1 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	320 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	81	2.0 320 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	105 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	81	2.0 105 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	515 3.0 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	315 3.5 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
110	82	2.0 315 32.1 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	1174 3.5 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
110	17	2.0 1174 32.1 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	1244 3.5 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	1244 3.5 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	2190 3.2 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
110	58	2.0 2190 32.1 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	2190 3.2 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	2190	3.2	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	440	3.0	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
110		91	2.0 440 32.1 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	630	3.0	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	3125	4.5	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	3125	4.5	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4700	3.4	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4700	3.4	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	0.6	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	0.6	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	0.6	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	0.6	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	0.6	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
110		13	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	0.6	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
110		69	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	0.6	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	0.6	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
110		17	2.0 34 4.4 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	0.5	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	0.5	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
110		21	2.0 34 4.4 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	0.5	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
110		27	2.0 34 4.4 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	0.5	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		58	2.0 34 4.4 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	0.5	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	0.5	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	0.5	0.	32	25
1.0	04	1000	0Y 5 0 72					



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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	30.	3.2	.0	44.0		
2. EBL	410&64	* 338507.0	471429.0	338490.5	471428.6	*	17.	268. AG	79.	100.0	.0	12.0	.38	.8
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	1445.	3.2	.0	44.0		
4. EBT	410&64	* 338520.0	471409.0	338307.0	471403.7	*	213.	269. AG	10.	100.0	.0	12.0	.97	10.8
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2245.	3.5	.0	44.0		
6. WBALL	410&64	* 338636.0	471455.0	338764.8	471459.6	*	129.	88. AG	33.	100.0	.0	24.0	.83	6.5
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	2245.	3.5	.0	44.0		
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	1545.	3.2	.0	56.0		
9. EBALL	410&SB	* 339046.0	471421.0	338803.4	471416.6	*	243.	269. AG	162.	100.0	.0	36.0	.92	12.3
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	320.	3.5	.0	32.0		
11. WBL	410&SB	* 339129.0	471448.0	339289.6	471452.3	*	161.	88. AG	64.	100.0	.0	12.0	.83	8.2
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1959.	3.5	.0	44.0		
13. WBT	410&SB	* 339131.0	471470.0	339275.5	471473.2	*	145.	89. AG	42.	100.0	.0	24.0	.77	7.3
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	320.	3.0	.0	32.0		
15. SBR	410&SB	* 339068.0	471501.0	339070.6	471676.3	*	175.	1. AG	63.	100.0	.0	12.0	.89	8.9
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	105.	3.0	.0	44.0		
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471523.0	*	23.	360. AG	127.	100.0	.0	24.0	.13	1.2
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	515.	3.0	.0	32.0		
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	315.	3.5	.0	32.0		
20. EBL	410&NB	* 339573.0	471450.0	339417.1	471446.0	*	156.	268. AG	64.	100.0	.0	12.0	.82	7.9
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	1174.	3.5	.0	44.0		
22. EBT	410&NB	* 339565.0	471437.0	339510.5	471435.5	*	55.	268. AG	27.	100.0	.0	24.0	.41	2.8
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	1244.	3.5	.0	44.0		
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	1244.	3.5	.0	44.0		
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	1244.	3.5	.0	44.0		
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	1244.	3.5	.0	44.0		
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	1244.	3.5	.0	44.0		
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	2190.	3.2	.0	68.0		
29. WBALL	410&NB	* 339607.0	471478.0	339780.5	471478.0	*	173.	90. AG	182.	100.0	.0	48.0	.75	8.8
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	2190.	3.2	.0	68.0		
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	2190.	3.2	.0	68.0		
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	440.	3.0	.0	56.0		
33. NBALL	410&NB	* 339569.0	471399.0	339562.8	471325.2	*	74.	185. AG	214.	100.0	.0	36.0	.64	3.8
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	630.	3.0	.0	32.0		
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	3125.	4.5	.0	44.0		
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	3125.	4.5	.0	44.0		
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4700.	3.4	.0	44.0		
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4700.	3.4	.0	44.0		
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	.6	.0	32.0		
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	.6	.0	32.0		
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	.6	.0	32.0		
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	.6	.0	32.0		
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	.6	.0	32.0		
44. EBT	410BUS	* 339552.0	471420.0	339549.6	471419.9	*	2.	265. AG	1.	100.0	.0	12.0	.02	.1

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	.6	.0	32.0		
46. EBT	410BUS	* 339044.0	471407.0	339031.2	471406.8	*	13.	267. AG	7.	100.0	.0	12.0	.06	.7
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	.6	.0	32.0		
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	.6	.0	32.0		
49. EBT	410BUS	* 338499.0	471389.0	338495.9	471389.0	*	3.	266. AG	2.	100.0	.0	12.0	.02	.2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	.5	.0	32.0		
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	.5	.0	32.0		
52. WB	410BUS	* 338640.0	471472.0	338643.9	471472.2	*	4.	86. AG	2.	100.0	.0	12.0	.02	.2
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	.5	.0	32.0		
54. WB	410BUS	* 339132.0	471491.0	339137.0	471491.0	*	5.	90. AG	3.	100.0	.0	12.0	.03	.3
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	.5	.0	32.0		
56. WBALL	410BUS	* 339615.0	471492.0	339625.7	471493.2	*	11.	84. AG	6.	100.0	.0	12.0	.05	.5
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	.5	.0	32.0		
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	.5	.0	32.0		
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	.5	.0	32.0		

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	110	101	2.0	30	1770	32.10	1	3
4.	EBT	410&64	*	110	13	2.0	1445	1770	32.10	1	3
6.	WBALL	410&64	*	110	21	2.0	2245	1759	32.10	1	3
9.	EBALL	410&SB	*	110	69	2.0	1545	1667	32.10	1	3
11.	WBL	410&SB	*	110	82	2.0	320	1770	32.10	1	3
13.	WBT	410&SB	*	110	27	2.0	1959	1770	32.10	1	3
15.	SBR	410&SB	*	110	81	2.0	320	1583	32.10	1	3
17.	SBL	410&SB	*	110	81	2.0	105	1717	32.10	1	3
20.	EBL	410&NB	*	110	82	2.0	315	1770	32.10	1	3
22.	EBT	410&NB	*	110	17	2.0	1174	1770	32.10	1	3
29.	WBALL	410&NB	*	110	58	2.0	2190	1667	32.10	1	3
33.	NBALL	410&NB	*	110	91	2.0	440	1672	32.10	1	3
44.	EBT	410BUS	*	110	13	2.0	34	1717	4.40	1	3
46.	EBT	410BUS	*	110	69	2.0	34	1717	4.40	1	3
49.	EBT	410BUS	*	110	17	2.0	34	1717	4.40	1	3
52.	WB	410BUS	*	110	21	2.0	34	1762	4.40	1	3
54.	WB	410BUS	*	110	27	2.0	34	1770	4.40	1	3
56.	WBALL	410BUS	*	110	58	2.0	34	1667	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	339603.0	471404.0	5.0	*
2. SE 82S	*	339596.0	471332.0	5.0	*
3. SE 164S	*	339585.0	471250.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339669.0	471404.0	5.0	*
8. SE 164W	*	339751.0	471420.0	5.0	*
9. SE 256W	*	339829.0	471438.0	5.0	*
10. SE MIDW	*	340015.0	471522.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

1

JOB: S14 MD410&NB 295 HBRT30AM

RUN: S14 MD410&NB 295 HBRT30AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.3	.4	.3	.3	.2	.5	.6	.3	.2	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0
5.	*	.4	.3	.3	.2	.1	.2	.5	.5	.3	.2	.0	.1	.1	.0	.1	.1	.0	.0	.0	.0
10.	*	.4	.2	.2	.2	.0	.0	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.4	.2	.2	.1	.0	.0	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.5	.4	.1	.1	.0	.0	.5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.5	.4	.1	.1	.0	.0	.6	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.5	.4	.1	.1	.0	.0	.6	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.5	.3	.1	.1	.0	.0	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.5	.3	.1	.0	.0	.0	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.6	.2	.1	.0	.0	.0	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.6	.2	.0	.0	.0	.0	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.6	.2	.0	.0	.0	.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.6	.1	.0	.0	.0	.0	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1
65.	*	.5	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
70.	*	.4	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.3	.2
80.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.3	.2
85.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.3	.2
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.3	.2	.2
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.3	.2	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.4	.2	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0	.5	.3	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.6	.3	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.8	.3	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.7	.2	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.0	.0	.7	.2	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.0	.0	.0	.8	.2	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.2	.0	.0	.0	.8	.2	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.1	.1	.0	.0	.7	.4	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3	.1	.1	.0	.0	.7	.4	.3

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150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .1 .1 .0 .0 .7 .4 .3
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .1 .1 .0 .0 .5 .4 .3
160. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .1 .1 .0 .0 .7 .5 .3
165. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .3 .2 .1 .1 .1 .7 .5 .3
170. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .3 .1 .2 .1 .1 .7 .6 .3
175. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .7 .4 .2 .2 .2 .2 .7 .6 .3
180. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3 .2 .2 .3 .8 .6 .2
185. * .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .0 .5 .4 .3 .2 .2 .3 .7 .6 .2
190. * .4 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .7 .5 .2 .3 .3 .4 .8 .7 .2
195. * .5 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .6 .4 .3 .4 .4 .5 .8 .7 .2
200. * .5 .2 .2 .2 .2 .1 .1 .1 .0 .0 .0 .8 .6 .5 .4 .4 .4 .9 .7 .4
205. * .8 .4 .4 .3 .2 .1 .1 .1 .1 .0 .0 .9 .5 .5 .4 .5 .4 1.0 .7 .5

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1

JOB: S14 MD410&NB 295 HBRT30AM

RUN: S14 MD410&NB 295 HBRT30AM

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
-----*-----
210. * .8 .4 .4 .4 .2 .2 .2 .1 .1 .0 .0 .8 .5 .5 .4 .4 .4 1.0 .8 .5
215. * .9 .4 .4 .4 .3 .2 .2 .2 .1 .0 .0 .8 .5 .5 .4 .4 .4 1.0 .9 .6
220. * .8 .4 .4 .4 .4 .2 .3 .2 .2 .1 .0 .7 .5 .5 .4 .4 .4 .9 1.1 .6
225. * .8 .4 .4 .3 .4 .2 .3 .2 .2 .1 .0 .8 .5 .5 .4 .4 .4 .9 1.0 .6
230. * .8 .4 .3 .3 .3 .1 .3 .2 .2 .1 .0 .8 .5 .5 .4 .4 .4 .9 1.0 .6
235. * .8 .4 .3 .3 .3 .1 .4 .3 .2 .2 .2 .8 .5 .4 .4 .4 .4 .9 .9 .6
240. * .8 .4 .3 .3 .3 .3 .4 .3 .2 .2 .3 .8 .5 .4 .3 .4 .4 .9 .7 .7
245. * .6 .5 .3 .3 .3 .3 .4 .3 .2 .2 .2 .8 .4 .3 .3 .4 .4 .7 .8 .6
250. * .6 .4 .3 .3 .3 .3 .4 .3 .3 .3 .2 .5 .5 .4 .4 .4 .4 .6 .6 .5
255. * .6 .5 .2 .2 .2 .2 .4 .3 .4 .4 .2 .5 .4 .4 .4 .4 .4 .5 .4 .4
260. * .6 .5 .2 .2 .2 .3 .4 .3 .4 .5 .2 .6 .4 .4 .4 .4 .4 .5 .4 .4
265. * .5 .6 .2 .2 .2 .3 .4 .5 .5 .5 .2 .5 .3 .3 .4 .4 .4 .5 .4 .3
270. * .5 .6 .2 .2 .3 .3 .4 .6 .6 .3 .1 .4 .3 .3 .4 .4 .4 .4 .4 .2
275. * .5 .7 .3 .2 .3 .3 .5 .6 .7 .3 .1 .4 .3 .3 .4 .4 .4 .3 .2 .2
280. * .7 .6 .2 .2 .3 .3 .7 .7 .9 .2 .1 .4 .3 .3 .4 .4 .4 .2 .2 .1
285. * .7 .8 .2 .2 .2 .3 .6 .7 1.0 .3 .1 .3 .4 .3 .4 .4 .4 .2 .2 .2
290. * .6 .9 .1 .2 .2 .2 .6 .7 .9 .3 .0 .3 .4 .4 .4 .4 .4 .2 .2 .2
295. * .5 1.0 .3 .3 .3 .3 .5 .8 .8 .5 .0 .3 .4 .4 .4 .4 .4 .2 .2 .2
300. * .5 1.0 .3 .2 .3 .3 .5 .8 .6 .4 .0 .3 .3 .4 .4 .4 .4 .3 .2 .2
305. * .5 1.0 .4 .3 .3 .3 .6 .9 .7 .3 .0 .4 .3 .4 .4 .4 .4 .3 .2 .2
310. * .5 1.0 .4 .3 .3 .3 .6 .9 .6 .3 .0 .4 .4 .4 .4 .4 .4 .3 .2 .2
315. * .5 1.1 .4 .3 .3 .3 .8 .9 .6 .3 .0 .4 .4 .4 .4 .4 .4 .3 .2 .2
320. * .5 1.0 .5 .3 .3 .3 .7 .9 .5 .3 .0 .3 .4 .4 .4 .4 .4 .2 .2 .1
325. * .6 1.0 .6 .4 .4 .4 .6 .9 .4 .2 .0 .4 .4 .4 .4 .4 .3 .2 .2 .1
330. * .5 1.0 .5 .4 .4 .4 .6 .8 .4 .2 .0 .4 .4 .4 .4 .4 .3 .2 .2 .1
335. * .5 1.0 .7 .3 .4 .5 .7 .8 .3 .2 .0 .4 .4 .3 .3 .3 .2 .1 .1 .0
340. * .5 .8 .6 .5 .4 .4 .6 .7 .2 .2 .0 .3 .3 .3 .3 .2 .1 .1 .0
345. * .3 .6 .5 .5 .3 .4 .6 .7 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0
350. * .6 .5 .5 .4 .3 .4 .6 .6 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0
355. * .5 .4 .4 .4 .3 .2 .5 .6 .2 .2 .0 .2 .2 .2 .2 .2 .1 .1 .0
360. * .5 .3 .4 .3 .3 .2 .5 .6 .3 .2 .0 .1 .1 .1 .1 .1 .1 .0 .0
-----*-----
MAX * .9 1.1 .7 .5 .4 .5 .8 .9 1.0 .5 .3 .9 .6 .5 .4 .5 .5 1.0 1.1 .7
DEGR. * 215 315 335 340 220 335 315 305 285 260 240 205 200 200 195 205 195 205 220 240

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1

JOB: S14 MD410&NB 295 HBRT30AM

RUN: S14 MD410&NB 295 HBRT30AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22
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0. * .0 .0
5. * .0 .0
10. * .0 .0
15. * .0 .0
20. * .0 .0
25. * .0 .0
30. * .0 .0
35. * .0 .0
40. * .0 .0
45. * .1 .0
50. * .1 .0
55. * .1 .0
60. * .2 .0
65. * .2 .0
70. * .2 .0
75. * .2 .0
80. * .3 .0
85. * .3 .0
90. * .3 .0
95. * .3 .0
100. * .3 .0
105. * .2 .0

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110.	*	.2	.0
115.	*	.2	.0
120.	*	.2	.0
125.	*	.3	.0
130.	*	.3	.0
135.	*	.3	.0
140.	*	.3	.0
145.	*	.3	.0
150.	*	.3	.0
155.	*	.3	.0
160.	*	.3	.0
165.	*	.3	.0
170.	*	.3	.0
175.	*	.3	.0
180.	*	.3	.0
185.	*	.3	.0
190.	*	.2	.1
195.	*	.3	.1
200.	*	.3	.1
205.	*	.3	.1

1

JOB: S14 MD410&NB 295 HBRT30AM

RUN: S14 MD410&NB 295 HBRT30AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.3	.1
215.	*	.3	.1
220.	*	.4	.1
225.	*	.5	.2
230.	*	.5	.2
235.	*	.5	.2
240.	*	.4	.1
245.	*	.3	.0
250.	*	.3	.0
255.	*	.2	.0
260.	*	.1	.0
265.	*	.0	.0
270.	*	.1	.0
275.	*	.1	.0
280.	*	.1	.0
285.	*	.2	.0
290.	*	.2	.1
295.	*	.2	.0
300.	*	.2	.0
305.	*	.2	.0
310.	*	.1	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .5 .2

DEGR. \* 225 225

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 315 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 220 DEGREES FROM REC19.  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 285 DEGREES FROM REC9 .

S14 MD410&NB 295 HBRT30PM			60.0321.0.0000.000220.30480000	1	1
SE COR	339603.	471404.	5.0		
SE 82S	339596.	471332.	5.0		
SE 164S	339585.	471250.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339669.	471404.	5.0		
SE 164W	339751.	471420.	5.0		
SE 256W	339829.	471438.	5.0		
SE MIDW	340015.	471522.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 HBRT30PM			59 1 0		
1					
EBL	410&64	AG338575.471431.338142.471421.	100 3.7 0. 44	23	
2					
EBL	410&64	AG338507.471429.338391.471426.	0. 12 1		
130	114	2.0 100 32.1 1770 1 3			
1					
EBT	410&64	AG338593.471411.338143.471399.	2320 3.7 0. 44	23	
2					
EBT	410&64	AG338520.471409.338361.471405.	0. 12 1		
130	12	2.0 2320 32.1 1770 1 3			
1					
WBALL	410&64	AG338604.471454.339085.471472.	2285 3.7 0. 44	20	
2					
WBALL	410&64	AG338636.471455.338805.471461.	0. 24 2		
130	27	2.0 2285 32.1 1757 1 3			
1					
WBDP	410&64	AG338141.471437.338605.471453.	2250 3.5 0. 44	20	
1					
EBALL	410&SB	AG339085.471422.338593.471412.	2500 3.7 0. 56	23	
2					
EBALL	410&SB	AG339046.471421.338827.471417.	0. 36 3		
130	74	2.0 2500 32.1 1667 1 3			
1					
WBL	410&SB	AG339091.471447.339580.471461.	345 3.7 0. 32	20	
2					
WBL	410&SB	AG339129.471448.339315.471453.	0. 12 1		
130	100	2.0 345 32.1 1770 1 3			
1					
WBT	410&SB	AG339097.471470.339592.471479.	1919 3.7 0. 44	20	
2					
WBT	410&SB	AG339131.471470.339362.471475.	0. 24 2		
130	30	2.0 1919 32.1 1770 1 3			
1					
SBR	410&SB	AG339068.471452.339082.472350.	395 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
130	98	2.0 395 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	225 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
130	98	2.0 225 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	735 3.0 0. 32	35	
1					
EBL	410&NB	AG339593.471451.339108.471438.	200 4.2 0. 32	19	
2					
EBL	410&NB	AG339573.471450.339495.471448.	0. 12 1		
130	110	2.0 200 32.1 1770 1 3			
1					
EBT	410&NB	AG339591.471436.339080.471427.	2069 4.2 0. 44	19	
2					
EBT	410&NB	AG339565.471437.339384.471432.	0. 24 2		
130	23	2.0 2069 32.1 1770 1 3			
1					
EBDP	410&NB	AG340120.471671.340033.471585.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG340033.471585.339930.471521.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339930.471521.339832.471476.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339832.471476.339720.471445.	2344 4.2 0. 44	19	
1					
EBDP	410&NB	AG339720.471445.339592.471436.	2344 4.2 0. 44	19	
1					
WBALL	410&NB	AG339597.471478.339711.471478.	2020 3.2 0. 68	25	
2					
WBALL	410&NB	AG339607.471478.339688.471478.	0. 48 4		
130	74	2.0 2020 32.1 1667 1 3			
1					
WBALL	410&NB	AG339711.471478.339919.471557.	2020 3.2 0. 68	25	

1	WBALL	410&NB	AG339919.471557.340113.471684.	2020	3.2	0.	68	25
1	NBALL	410&NB	AG339573.471458.339493.470454.	655	3.0	0.	56	35
2	NBALL	410&NB	AG339569.471399.339547.471137.	0.	36	3		
130		105	2.0 655 32.1 1672 1 3					
1	NBDP	410&NB	AG339513.472452.339593.471471.	370	3.0	0.	32	35
1	NB	I295	AG339429.472419.339464.471638.	4925	3.2	0.	44	65
1	NB	I295	AG339464.471638.339385.470489.	4925	3.2	0.	44	65
1	SB	I295	AG339230.470499.339198.471395.	4550	3.6	0.	44	65
1	SB	I295	AG339198.471395.339198.472460.	4550	3.6	0.	44	65
1	EB	410BUS	AG340121.471648.340023.471557.	34	0.7	0.	32	19
1	EB	410BUS	AG340023.471557.339824.471458.	34	0.7	0.	32	19
1	EB	410BUS	AG339824.471458.339727.471433.	34	0.7	0.	32	19
1	EB	410BUS	AG339726.471432.339589.471421.	34	0.7	0.	32	19
1	EB	410BUS	AG339589.471421.339080.471409.	34	0.7	0.	32	19
2	EBT	410BUS	AG339552.471420.339429.471417.	0.	12	1		
130		12	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG339082.471408.338637.471397.	34	0.7	0.	32	19
2	EBT	410BUS	AG339044.471407.338943.471405.	0.	12	1		
130		74	2.0 34 4.4 1717 1 3					
1	EB	410BUS	AG338639.471396.338521.471389.	34	0.7	0.	32	19
1	EB	410BUS	AG338521.471389.338144.471382.	34	0.7	0.	32	19
2	EBT	410BUS	AG338499.471389.338400.471387.	0.	12	1		
130		23	2.0 34 4.4 1717 1 3					
1	WB	410BUS	AG338142.471454.338631.471472.	34	0.9	0.	32	25
1	WB	410BUS	AG338631.471472.339076.471491.	34	0.9	0.	32	25
2	WB	410BUS	AG338640.471472.338721.471476.	0.	12	1		
130		27	2.0 34 4.4 1762 1 3					
1	WB	410BUS	AG339076.471491.339605.471491.	34	0.9	0.	32	25
2	WB	410BUS	AG339132.471491.339222.471491.	0.	12	1		
130		30	2.0 34 4.4 1770 1 3					
1	WB	410BUS	AG339605.471491.339715.471503.	34	0.9	0.	32	25
2	WBALL	410BUS	AG339615.471492.339693.471501.	0.	12	1		
110		74	2.0 34 4.4 1667 1 3					
1	WB	410BUS	AG339715.471503.339908.471577.	34	0.9	0.	32	25
1	WB	410BUS	AG339908.471577.340069.471682.	34	0.9	0.	32	25
1	WB	410BUS	AG340069.471682.340129.471733.	34	0.9	0.	32	25
1.0	04	1000	0Y 5 0 72					

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RUN: S14 MD410&NB 295 HBRT30PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	410&64	* 338575.0	471431.0	338142.0	471421.0	*	433.	269. AG	100.	3.7	.0	44.0	
2. EBL	410&64	* 338507.0	471429.0	338443.3	471427.4	*	64.	269. AG	76.	100.0	.0	12.0	.61 3.2
3. EBT	410&64	* 338593.0	471411.0	338143.0	471399.0	*	450.	268. AG	2320.	3.7	.0	44.0	
4. EBT	410&64	* 338520.0	471409.0	330522.5	471207.9	*	8000.	269. AG	8.	100.0	.0	12.0	1.49 406.4
5. WBALL	410&64	* 338604.0	471454.0	339085.0	471472.0	*	481.	88. AG	2285.	3.7	.0	44.0	
6. WBALL	410&64	* 338636.0	471455.0	338805.8	471461.1	*	170.	88. AG	36.	100.0	.0	24.0	.85 8.6
7. WBDP	410&64	* 338141.0	471437.0	338605.0	471453.0	*	464.	88. AG	2250.	3.5	.0	44.0	
8. EBALL	410&SB	* 339085.0	471422.0	338593.0	471412.0	*	492.	269. AG	2500.	3.7	.0	56.0	
9. EBALL	410&SB	* 339046.0	471421.0	336908.8	471382.0	*	2138.	269. AG	147.	100.0	.0	36.0	1.25 108.6
10. WBL	410&SB	* 339091.0	471447.0	339580.0	471461.0	*	489.	88. AG	345.	3.7	.0	32.0	
11. WBL	410&SB	* 339129.0	471448.0	339390.7	471455.0	*	262.	89. AG	66.	100.0	.0	12.0	.97 13.3
12. WBT	410&SB	* 339097.0	471470.0	339592.0	471479.0	*	495.	89. AG	1919.	3.7	.0	44.0	
13. WBT	410&SB	* 339131.0	471470.0	339288.3	471473.4	*	157.	89. AG	40.	100.0	.0	24.0	.73 8.0
14. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	395.	3.0	.0	32.0	
15. SBR	410&SB	* 339068.0	471501.0	339080.7	472358.0	*	857.	1. AG	65.	100.0	.0	12.0	1.16 43.5
16. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	225.	3.0	.0	44.0	
17. SBL	410&SB	* 339094.0	471500.0	339094.0	471560.0	*	60.	360. AG	130.	100.0	.0	24.0	.30 3.0
18. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	735.	3.0	.0	32.0	
19. EBL	410&NB	* 339593.0	471451.0	339108.0	471438.0	*	485.	268. AG	200.	4.2	.0	32.0	
20. EBL	410&NB	* 339573.0	471450.0	339413.8	471445.9	*	159.	269. AG	73.	100.0	.0	12.0	.92 8.1
21. EBT	410&NB	* 339591.0	471436.0	339080.0	471427.0	*	511.	269. AG	2069.	4.2	.0	44.0	
22. EBT	410&NB	* 339565.0	471437.0	339435.0	471433.4	*	130.	269. AG	30.	100.0	.0	24.0	.74 6.6
23. EBDP	410&NB	* 340120.0	471671.0	340033.0	471585.0	*	122.	225. AG	2344.	4.2	.0	44.0	
24. EBDP	410&NB	* 340033.0	471585.0	339930.0	471521.0	*	121.	238. AG	2344.	4.2	.0	44.0	
25. EBDP	410&NB	* 339930.0	471521.0	339832.0	471476.0	*	108.	245. AG	2344.	4.2	.0	44.0	
26. EBDP	410&NB	* 339832.0	471476.0	339720.0	471445.0	*	116.	255. AG	2344.	4.2	.0	44.0	
27. EBDP	410&NB	* 339720.0	471445.0	339592.0	471436.0	*	128.	266. AG	2344.	4.2	.0	44.0	
28. WBALL	410&NB	* 339597.0	471478.0	339711.0	471478.0	*	114.	90. AG	2020.	3.2	.0	68.0	
29. WBALL	410&NB	* 339607.0	471478.0	339811.4	471478.0	*	204.	90. AG	196.	100.0	.0	48.0	.76 10.4
30. WBALL	410&NB	* 339711.0	471478.0	339919.0	471557.0	*	222.	69. AG	2020.	3.2	.0	68.0	
31. WBALL	410&NB	* 339919.0	471557.0	340113.0	471684.0	*	232.	57. AG	2020.	3.2	.0	68.0	
32. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	655.	3.0	.0	56.0	
33. NBALL	410&NB	* 339569.0	471399.0	339557.4	471260.5	*	139.	185. AG	209.	100.0	.0	36.0	.81 7.1
34. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	370.	3.0	.0	32.0	
35. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4925.	3.2	.0	44.0	
36. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4925.	3.2	.0	44.0	
37. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4550.	3.6	.0	44.0	
38. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4550.	3.6	.0	44.0	
39. EB	410BUS	* 340121.0	471648.0	340023.0	471557.0	*	134.	227. AG	34.	.7	.0	32.0	
40. EB	410BUS	* 340023.0	471557.0	339824.0	471458.0	*	222.	244. AG	34.	.7	.0	32.0	
41. EB	410BUS	* 339824.0	471458.0	339727.0	471433.0	*	100.	256. AG	34.	.7	.0	32.0	
42. EB	410BUS	* 339726.0	471432.0	339589.0	471421.0	*	137.	265. AG	34.	.7	.0	32.0	
43. EB	410BUS	* 339589.0	471421.0	339080.0	471409.0	*	509.	269. AG	34.	.7	.0	32.0	
44. EBT	410BUS	* 339552.0	471420.0	339549.8	471419.9	*	2.	268. AG	1.	100.0	.0	12.0	.02 .1

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EB	410BUS	* 339082.0	471408.0	338637.0	471397.0	*	445.	269. AG	34.	.7	.0	32.0	
46. EBT	410BUS	* 339044.0	471407.0	339030.2	471406.8	*	14.	270. AG	7.	100.0	.0	12.0	.05 .7
47. EB	410BUS	* 338639.0	471396.0	338521.0	471389.0	*	118.	267. AG	34.	.7	.0	32.0	
48. EB	410BUS	* 338521.0	471389.0	338144.0	471382.0	*	377.	269. AG	34.	.7	.0	32.0	
49. EBT	410BUS	* 338499.0	471389.0	338494.7	471388.9	*	4.	270. AG	2.	100.0	.0	12.0	.03 .2
50. WB	410BUS	* 338142.0	471454.0	338631.0	471472.0	*	489.	88. AG	34.	.9	.0	32.0	
51. WB	410BUS	* 338631.0	471472.0	339076.0	471491.0	*	445.	88. AG	34.	.9	.0	32.0	
52. WB	410BUS	* 338640.0	471472.0	338645.0	471472.3	*	5.	90. AG	2.	100.0	.0	12.0	.03 .3
53. WB	410BUS	* 339076.0	471491.0	339605.0	471491.0	*	529.	90. AG	34.	.9	.0	32.0	
54. WB	410BUS	* 339132.0	471491.0	339137.6	471491.0	*	6.	90. AG	3.	100.0	.0	12.0	.03 .3
55. WB	410BUS	* 339605.0	471491.0	339715.0	471503.0	*	111.	84. AG	34.	.9	.0	32.0	
56. WBALL	410BUS	* 339615.0	471492.0	339628.7	471493.6	*	14.	83. AG	8.	100.0	.0	12.0	.07 .7
57. WB	410BUS	* 339715.0	471503.0	339908.0	471577.0	*	207.	69. AG	34.	.9	.0	32.0	
58. WB	410BUS	* 339908.0	471577.0	340069.0	471682.0	*	192.	57. AG	34.	.9	.0	32.0	
59. WB	410BUS	* 340069.0	471682.0	340129.0	471733.0	*	79.	50. AG	34.	.9	.0	32.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

2.	EBL	410&64	*	130	114	2.0	100	1770	32.10	1	3
4.	EBT	410&64	*	130	12	2.0	2320	1770	32.10	1	3
6.	WBALL	410&64	*	130	27	2.0	2285	1757	32.10	1	3
9.	EBALL	410&SB	*	130	74	2.0	2500	1667	32.10	1	3
11.	WBL	410&SB	*	130	100	2.0	345	1770	32.10	1	3
13.	WBT	410&SB	*	130	30	2.0	1919	1770	32.10	1	3
15.	SBR	410&SB	*	130	98	2.0	395	1583	32.10	1	3
17.	SBL	410&SB	*	130	98	2.0	225	1717	32.10	1	3
20.	EBL	410&NB	*	130	110	2.0	200	1770	32.10	1	3
22.	EBT	410&NB	*	130	23	2.0	2069	1770	32.10	1	3
29.	WBALL	410&NB	*	130	74	2.0	2020	1667	32.10	1	3
33.	NBALL	410&NB	*	130	105	2.0	655	1672	32.10	1	3
44.	EBT	410BUS	*	130	12	2.0	34	1717	4.40	1	3
46.	EBT	410BUS	*	130	74	2.0	34	1717	4.40	1	3
49.	EBT	410BUS	*	130	23	2.0	34	1717	4.40	1	3
52.	WB	410BUS	*	130	27	2.0	34	1762	4.40	1	3
54.	WB	410BUS	*	130	30	2.0	34	1770	4.40	1	3
56.	WBALL	410BUS	*	110	74	2.0	34	1667	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339603.0	471404.0	5.0	*
2. SE 82S	*	339596.0	471332.0	5.0	*
3. SE 164S	*	339585.0	471250.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339669.0	471404.0	5.0	*
8. SE 164W	*	339751.0	471420.0	5.0	*
9. SE 256W	*	339829.0	471438.0	5.0	*
10. SE MIDW	*	340015.0	471522.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.5	.7	.4	.4	.2	.7	.8	.4	.4	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
5.	*	.5	.3	.6	.4	.2	.2	.7	.8	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.6	.3	.4	.3	.2	.1	.7	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.7	.4	.3	.2	.1	.1	.6	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.7	.4	.3	.2	.0	.0	.6	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.7	.4	.2	.1	.0	.0	.7	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.7	.4	.2	.1	.0	.0	.7	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.7	.3	.1	.1	.0	.0	.8	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.8	.4	.1	.1	.0	.0	.7	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.9	.5	.1	.0	.0	.0	.7	.8	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.9	.5	.1	.0	.0	.0	.7	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.9	.4	.0	.0	.0	.0	.8	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.9	.2	.0	.0	.0	.0	.7	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
65.	*	.9	.2	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
70.	*	.7	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3
75.	*	.6	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.3	.4
80.	*	.4	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.4	.4
85.	*	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.2	.4	.3
90.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.4	.3
95.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.5	.4	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.7	.3	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.7	.3	.4
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.7	.3	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.3	.0	.0	.0	.0	.8	.4	.4
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.4	.1	.0	.0	.0	.8	.5	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.4	.2	.0	.0	.0	.8	.5	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.0	.0	.0	.8	.6	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.1	.1	.0	.0	.8	.6	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.1	.1	.0	.0	.8	.5	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5	.2	.1	.0	.0	.9	.6	.4



150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.5	.2	.1	.0	.0	.8	.6	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.1	.0	.0	.8	.7	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	.2	.1	.1	.0	.7	.8	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.1	.0	.8	.8	.3
170.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.5	.2	.1	.1	.0	.8	.8	.3
175.	*	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.2	.3	.9	.8	.3
180.	*	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.6	.5	.3	.4	.2	.3	.9	.8	.4
185.	*	.4	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.8	.3	.3	.3	.3	.3	.9	.7	.5
190.	*	.5	.4	.2	.2	.1	.1	.1	.0	.0	.0	1.0	.5	.4	.4	.3	.4	1.1	.7	.5	
195.	*	.6	.4	.2	.2	.2	.1	.1	.0	.0	.0	.9	.5	.6	.4	.4	.5	1.1	.7	.4	
200.	*	.8	.6	.3	.2	.2	.1	.1	.1	.0	.0	1.0	.6	.6	.5	.4	.4	1.1	.9	.5	
205.	*	1.0	.8	.4	.3	.2	.1	.2	.1	.1	.0	.9	.6	.5	.5	.5	.4	1.1	.9	.6	

1

JOB: S14 MD410&NB 295 HBRT30PM

RUN: S14 MD410&NB 295 HBRT30PM

PAGE 5

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	1.0	.9	.4	.4	.3	.2	.3	.1	.1	.0	.0	.7	.5	.5	.5	.4	.4	1.1	1.0	.6
215.	*	1.0	.9	.4	.4	.3	.2	.3	.2	.1	.1	.0	.7	.5	.5	.5	.3	.3	1.1	1.1	.7
220.	*	1.0	.9	.4	.4	.4	.2	.4	.2	.2	.1	.0	.8	.5	.5	.6	.3	.3	1.2	1.0	.9
225.	*	1.0	1.0	.4	.4	.4	.2	.4	.3	.2	.1	.2	.7	.5	.5	.4	.3	.3	1.1	1.0	1.0
230.	*	.9	1.0	.4	.4	.4	.3	.4	.3	.2	.1	.2	.8	.5	.5	.3	.3	.3	1.1	1.0	1.0
235.	*	.9	1.0	.4	.4	.4	.3	.5	.3	.3	.2	.4	.8	.5	.4	.3	.4	.4	1.0	1.1	.9
240.	*	.9	1.0	.4	.4	.4	.4	.5	.3	.3	.4	.5	.8	.5	.5	.3	.4	.4	.8	1.1	1.0
245.	*	.8	1.0	.4	.4	.4	.4	.4	.3	.3	.3	.5	.8	.4	.3	.4	.4	.3	.9	1.0	.6
250.	*	.8	1.0	.4	.4	.4	.4	.4	.4	.4	.5	.4	.8	.6	.4	.4	.4	.3	.7	.8	.6
255.	*	.9	1.0	.4	.4	.4	.4	.5	.5	.7	.6	.3	.6	.6	.4	.4	.4	.3	.7	.7	.6
260.	*	.9	1.1	.4	.4	.4	.4	.6	.6	.7	.7	.3	.7	.5	.4	.4	.3	.3	.6	.6	.6
265.	*	.9	1.1	.6	.4	.4	.4	.4	.7	1.0	.6	.3	.7	.4	.4	.4	.3	.3	.7	.6	.4
270.	*	.9	1.1	.6	.5	.4	.4	.7	.8	1.0	.7	.2	.6	.4	.3	.3	.3	.3	.5	.5	.3
275.	*	1.1	1.2	.6	.5	.4	.4	.9	.9	1.2	.5	.2	.5	.3	.3	.3	.3	.3	.4	.3	.2
280.	*	1.1	1.1	.7	.5	.5	.4	.9	1.0	1.5	.5	.1	.4	.2	.3	.3	.3	.3	.3	.2	.1
285.	*	1.2	1.3	.7	.5	.5	.4	.8	1.1	1.4	.6	.0	.3	.3	.3	.3	.3	.3	.2	.2	.2
290.	*	1.0	1.2	.8	.5	.5	.4	.8	1.1	1.3	.6	.1	.2	.3	.3	.3	.3	.3	.2	.2	.2
295.	*	1.0	1.2	.9	.5	.5	.5	.7	1.0	1.2	.6	.1	.2	.3	.3	.3	.3	.3	.3	.2	.2
300.	*	1.0	1.2	.9	.4	.5	.5	.7	1.0	1.0	.5	.1	.2	.3	.3	.3	.3	.3	.3	.2	.2
305.	*	.9	1.2	1.1	.5	.5	.5	.9	1.0	1.1	.5	.0	.3	.2	.3	.3	.3	.2	.2	.2	.2
310.	*	.8	1.2	1.1	.5	.4	.5	.8	1.1	1.1	.4	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
315.	*	.7	1.3	1.1	.5	.4	.4	1.0	1.0	1.0	.4	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
320.	*	.8	1.3	1.2	.5	.4	.4	.9	1.1	1.0	.4	.0	.3	.4	.3	.3	.4	.2	.2	.2	.1
325.	*	.8	1.2	1.2	.6	.4	.4	.8	1.1	.9	.3	.0	.4	.4	.4	.4	.3	.2	.2	.2	.1
330.	*	.7	1.2	1.2	.6	.4	.4	.9	1.0	.8	.3	.0	.4	.4	.4	.4	.3	.2	.2	.1	.1
335.	*	.6	1.1	1.3	.6	.4	.5	.9	.9	.7	.3	.0	.4	.4	.3	.3	.3	.2	.1	.1	.1
340.	*	.6	1.0	1.3	.7	.4	.4	.8	.9	.6	.3	.0	.3	.3	.3	.3	.3	.2	.1	.1	.0
345.	*	.7	.8	1.1	.7	.4	.4	.8	.9	.5	.3	.0	.3	.3	.3	.2	.2	.1	.1	.0	.0
350.	*	.6	.7	1.0	.6	.4	.4	.8	.8	.5	.3	.0	.2	.2	.2	.2	.2	.0	.1	.0	.0
355.	*	.7	.7	.8	.6	.4	.2	.8	.8	.5	.3	.0	.2	.2	.1	.2	.1	.0	.0	.0	.0
360.	*	.6	.5	.7	.4	.4	.2	.7	.8	.4	.4	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0

MAX	*	1.2	1.3	1.3	.7	.5	.5	1.0	1.1	1.5	.7	.5	1.1	.6	.6	.6	.5	.5	1.2	1.1	1.0
DEGR.	*	285	285	335	340	280	295	315	285	280	260	240	115	200	195	220	205	195	220	235	225

1

JOB: S14 MD410&NB 295 HBRT30PM

RUN: S14 MD410&NB 295 HBRT30PM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	*	.0	.0
5.	*	.0	.0
10.	*	.0	.0
15.	*	.0	.0
20.	*	.0	.0
25.	*	.0	.0
30.	*	.0	.0
35.	*	.0	.0
40.	*	.0	.0
45.	*	.1	.0
50.	*	.1	.0
55.	*	.1	.0
60.	*	.1	.0
65.	*	.3	.0
70.	*	.3	.0
75.	*	.3	.0
80.	*	.3	.0
85.	*	.3	.0
90.	*	.3	.0
95.	*	.3	.0
100.	*	.3	.0
105.	*	.3	.0

110.	*	.4	.0
115.	*	.4	.0
120.	*	.4	.0
125.	*	.3	.0
130.	*	.3	.0
135.	*	.3	.0
140.	*	.4	.0
145.	*	.4	.0
150.	*	.4	.0
155.	*	.4	.0
160.	*	.4	.0
165.	*	.4	.0
170.	*	.4	.0
175.	*	.3	.0
180.	*	.3	.0
185.	*	.4	.1
190.	*	.4	.1
195.	*	.4	.2
200.	*	.5	.2
205.	*	.3	.2

1

JOB: S14 MD410&NB 295 HBRT30PM

RUN: S14 MD410&NB 295 HBRT30PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22

210.	*	.4	.2
215.	*	.5	.2
220.	*	.6	.3
225.	*	.7	.2
230.	*	.6	.3
235.	*	.5	.2
240.	*	.4	.2
245.	*	.3	.1
250.	*	.4	.0
255.	*	.3	.1
260.	*	.2	.1
265.	*	.2	.0
270.	*	.2	.0
275.	*	.1	.1
280.	*	.2	.1
285.	*	.2	.1
290.	*	.2	.1
295.	*	.2	.1
300.	*	.2	.1
305.	*	.2	.0
310.	*	.1	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

MAX \* .7 .3

DEGR. \* 225 220

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 280 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 285 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 335 DEGREES FROM REC3 .

S14 MD410&NB 295 LLRT30 AM			60.0321.0.0000.000220.30480000	1	1
SE COR	339620.	471349.	5.0		
SE 82S	339611.	471314.	5.0		
SE 164S	339600.	471245.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339674.	471338.	5.0		
SE 164W	339777.	471350.	5.0		
SE 256W	339850.	471393.	5.0		
SE MIDW	340028.	471495.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 LLRT AM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	3125 4.5 0. 44	64	
1					
NB	I295	AG339464.471638.339385.470489.	3125 4.5 0. 44	64	
1					
SB	I295	AG339230.470499.339198.471395.	4700 3.4 0. 44	45	
1					
SB	I295	AG339198.471395.339198.472460.	4700 3.4 0. 44	45	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	30 3.2 0. 32	22	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	30 3.2 0. 32	22	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	101	2.0 30 32.1 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	1445 3.2 0. 44	22	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	1445 3.2 0. 44	22	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	13	2.0 1445 32.1 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	2245 3.5 0. 44	18	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	2245 3.5 0. 44	18	
1					
WB	64th Ave	AG338591.471461.338706.471469.	2150 3.5 0. 44	18	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
110	21	2.0 2150 32.1 1759 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	2150 3.5 0. 44	18	
1					
SBR	410&SB	AG339068.471452.339082.472350.	320 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	81	2.0 320 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	105 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	81	2.0 105 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	515 3.0 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	1545 3.2 0. 56	22	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	70	2.0 1545 32.1 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	1545 3.2 0. 56	22	
1					
WBL	295SB	AG339071.471466.339146.471457.	320 3.5 0. 32	18	
1					
WBL	295SB	AG339146.471457.339571.471464.	320 3.5 0. 32	18	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	82	2.0 320 32.1 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1935 3.5 0. 44	18	
1					
WBT	295SB	AG339143.471474.339575.471481.	1935 3.5 0. 44	18	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
110	27	2.0 1935 32.1 1770 1 3			
1					
EBL	295NB	AG339581.471452.339143.471446.	315 3.5 0. 32	18	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	82	2.0 315 32.1 1770 1 3			

[illegible]

JOB: S14 MD410&NB 295 LLRT30 AM  
DATE: 10/24/2007 TIME: 22:26:51.21

RUN: S14 MD410&NB 295 LLRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	3125.	4.5	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	3125.	4.5	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4700.	3.4	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4700.	3.4	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	30.	3.2	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	30.	3.2	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338486.5	471432.5	*	17.	268. AG	79.	100.0	.0	12.0	.38
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	1445.	3.2	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	1445.	3.2	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338445.7	471413.0	*	51.	269. AG	20.	100.0	.0	24.0	.48
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	2245.	3.5	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	2245.	3.5	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	2150.	3.5	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338762.0	471474.1	*	123.	85. AG	33.	100.0	.0	24.0	.79
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	2150.	3.5	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	320.	3.0	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339070.6	471676.3	*	175.	1. AG	63.	100.0	.0	12.0	.89
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	105.	3.0	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471523.0	*	23.	360. AG	127.	100.0	.0	24.0	.13
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	515.	3.0	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	1545.	3.2	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	338773.8	471426.8	*	251.	268. AG	164.	100.0	.0	36.0	.93
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	1545.	3.2	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	320.	3.5	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	320.	3.5	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339315.7	471459.4	*	161.	89. AG	64.	100.0	.0	12.0	.83
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1935.	3.5	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1935.	3.5	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339306.7	471476.9	*	143.	89. AG	42.	100.0	.0	24.0	.76
30. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	315.	3.5	.0	32.0	
31. EBL	295NB	* 339502.0	471451.0	339346.1	471448.3	*	156.	269. AG	64.	100.0	.0	12.0	.82
32. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	315.	3.5	.0	32.0	
33. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1150.	3.5	.0	44.0	
34. EBT	295NB	* 339500.0	471435.0	339446.6	471434.1	*	53.	269. AG	27.	100.0	.0	24.0	.40
35. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1150.	3.5	.0	44.0	
36. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	2190.	3.2	.0	68.0	
37. WBALL	295NB	* 339627.0	471482.0	339803.2	471492.1	*	176.	87. AG	185.	100.0	.0	48.0	.77
38. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	2190.	3.2	.0	68.0	
39. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	2190.	3.2	.0	56.0	
40. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	2190.	3.2	.0	56.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	1220.	3.5	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	1220.	3.5	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	1220.	3.5	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	1220.	3.5	.0	44.0	

JOB: S14 MD410&NB 295 LLRT30 AM  
DATE: 10/24/2007 TIME: 22:26:51.21

RUN: S14 MD410&NB 295 LLRT AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	1220.	3.5	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	460.	3.0	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339562.4	471320.4	*	79.	185. AG	214.	100.0	.0	36.0	.67
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	730.	3.0	.0	32.0	4.0

JOB: S14 MD410&NB 295 LLRT30 AM  
DATE: 10/24/2007 TIME: 22:26:51.21

RUN: S14 MD410&NB 295 LLRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	101	2.0	30	1770	32.10	1	3
10. EBT	64th Ave	* 110	13	2.0	1445	1770	32.10	1	3
14. WB	64th Ave	* 110	21	2.0	2150	1759	32.10	1	3
17. SBR	410&SB	* 110	81	2.0	320	1583	32.10	1	3
19. SBL	410&SB	* 110	81	2.0	105	1717	32.10	1	3
22. EB	295SB	* 110	70	2.0	1545	1695	32.10	1	3
26. WBL	295SB	* 110	82	2.0	320	1770	32.10	1	3
29. WBT	295SB	* 110	27	2.0	1935	1770	32.10	1	3
31. EBL	295NB	* 110	82	2.0	315	1770	32.10	1	3
34. EBT	295NB	* 110	17	2.0	1150	1770	32.10	1	3

37. WBALL	295NB	*	110	59	2.0	2190	1667	32.10	1	3
47. NBALL	410&NB	*	110	91	2.0	460	1672	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339620.0	471349.0	5.0	*
2. SE 82S	*	339611.0	471314.0	5.0	*
3. SE 164S	*	339600.0	471245.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339674.0	471338.0	5.0	*
8. SE 164W	*	339777.0	471350.0	5.0	*
9. SE 256W	*	339850.0	471393.0	5.0	*
10. SE MIDW	*	340028.0	471495.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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JOB: S14 MD410&NB 295 LLRT30 AM

RUN: S14 MD410&NB 295 LLRT AM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.3	.2	.3	.3	.2	.4	.3	.2	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0
5.	*	.3	.2	.2	.1	.1	.2	.3	.2	.2	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0
10.	*	.3	.2	.2	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.4	.2	.1	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.3	.1	.1	.0	.0	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.4	.3	.1	.1	.0	.0	.3	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.4	.2	.1	.1	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.3	.2	.1	.1	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.3	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.3	.2	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
65.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.2	.2
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.3	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.3	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	.3	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.6	.2	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.7	.2	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.8	.2	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.7	.4	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0	.7	.4	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0	.8	.4	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.8	.5	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.0	.0	.0	1.0	.5	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.1	.0	.0	.9	.5	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.0	.9	.6	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.0	.8	.6	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.0	.7	.5	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.7	.6	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.7	.6	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.2	.1	.1	.7	.6	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.2	.1	.1	.8	.7	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.2	.2	.2	.8	.7	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.2	.2	.2	.3	.8	.7	.3
185.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	.4	.3	.2	.2	.3	.8	.7	.3
190.	*	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.5	.4	.3	.3	.3	.4	.9	.7	.4
195.	*	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.5	.3	.3	.4	.4	.5	.9	.7	.4
200.	*	.1	.1	.2	.2	.2	.1	.1	.0	.0	.0	.7	.6	.5	.4	.4	.4	1.0	.8	.3
205.	*	.2	.2	.1	.3	.2	.1	.1	.1	.0	.0	.6	.6	.5	.4	.5	.4	1.1	.8	.5

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JOB: S14 MD410&NB 295 LLRT30 AM

RUN: S14 MD410&NB 295 LLRT AM

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WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.3	.3	.3	.4	.2	.2	.2	.1	.1	.0	.0	.7	.5	.5	.4	.4	.4	1.1	.8	.5
215.	.3	.3	.3	.4	.3	.2	.2	.1	.1	.0	.0	.8	.5	.5	.4	.4	.4	1.0	1.0	.5
220.	.4	.3	.3	.4	.4	.2	.2	.2	.1	.1	.0	.7	.5	.5	.4	.4	.4	1.0	1.0	.7
225.	.3	.3	.3	.4	.4	.2	.2	.2	.2	.1	.0	.7	.5	.5	.4	.4	.4	.9	1.0	.7
230.	.3	.2	.3	.3	.3	.2	.2	.2	.2	.1	.0	.7	.5	.5	.4	.4	.4	.9	.9	.7
235.	.4	.2	.2	.3	.3	.1	.2	.2	.2	.1	.1	.7	.5	.4	.4	.4	.4	.7	.9	.8
240.	.4	.2	.2	.3	.3	.3	.2	.2	.2	.2	.3	.8	.5	.4	.3	.4	.4	.9	.8	.8
245.	.4	.2	.2	.3	.3	.3	.2	.2	.2	.1	.2	.8	.4	.3	.3	.4	.4	.8	.7	.6
250.	.5	.2	.2	.3	.3	.3	.3	.2	.2	.1	.3	.6	.5	.4	.4	.4	.4	.7	.7	.5
255.	.5	.2	.2	.2	.2	.2	.3	.2	.3	.2	.2	.6	.4	.4	.4	.4	.4	.7	.6	.6
260.	.5	.3	.2	.2	.2	.3	.3	.3	.2	.2	.2	.5	.4	.4	.4	.4	.4	.4	.5	.4
265.	.6	.3	.2	.2	.2	.3	.4	.3	.2	.3	.1	.5	.3	.3	.4	.4	.4	.5	.5	.2
270.	.6	.4	.2	.2	.3	.3	.4	.2	.2	.3	.1	.4	.3	.3	.4	.4	.4	.4	.5	.2
275.	.5	.4	.2	.2	.3	.3	.3	.2	.1	.2	.1	.4	.3	.3	.4	.4	.4	.4	.2	.2
280.	.6	.3	.2	.2	.3	.3	.3	.2	.3	.3	.1	.4	.3	.3	.4	.4	.4	.3	.2	.1
285.	.8	.5	.2	.2	.2	.3	.5	.4	.4	.4	.0	.3	.4	.3	.4	.4	.4	.2	.2	.2
290.	.8	.5	.1	.2	.2	.2	.6	.4	.5	.3	.0	.3	.4	.4	.4	.4	.4	.2	.2	.2
295.	.8	.7	.2	.3	.3	.3	.6	.3	.5	.3	.0	.3	.4	.4	.4	.4	.4	.2	.2	.2
300.	.7	.8	.2	.2	.3	.3	.5	.3	.4	.4	.0	.3	.3	.4	.4	.4	.4	.3	.2	.2
305.	.7	.8	.2	.3	.3	.3	.4	.4	.4	.3	.0	.4	.3	.4	.4	.4	.4	.3	.2	.2
310.	.7	.8	.3	.3	.3	.3	.4	.4	.5	.3	.0	.4	.4	.4	.4	.4	.4	.3	.2	.2
315.	.6	.8	.4	.3	.3	.3	.3	.4	.5	.3	.0	.4	.4	.4	.4	.4	.4	.3	.2	.2
320.	.5	.7	.4	.3	.4	.4	.2	.5	.5	.3	.0	.3	.4	.4	.4	.4	.4	.2	.2	.1
325.	.5	.7	.4	.4	.4	.4	.3	.5	.4	.2	.0	.4	.4	.4	.4	.4	.3	.2	.2	.1
330.	.5	.7	.5	.4	.4	.4	.3	.4	.4	.2	.0	.4	.4	.4	.4	.4	.3	.2	.2	.1
335.	.5	.7	.5	.3	.4	.5	.5	.3	.4	.2	.0	.4	.4	.3	.3	.3	.2	.1	.1	.0
340.	.2	.5	.5	.5	.4	.4	.4	.3	.3	.2	.0	.3	.3	.3	.3	.2	.1	.1	.1	.0
345.	.1	.3	.4	.5	.3	.4	.4	.4	.3	.2	.0	.2	.2	.2	.2	.2	.1	.1	.0	.0
350.	.3	.2	.3	.4	.3	.4	.4	.3	.2	.2	.0	.2	.2	.2	.2	.2	.1	.1	.0	.0
355.	.4	.2	.3	.4	.3	.2	.4	.3	.2	.1	.0	.2	.2	.2	.2	.1	.1	.0	.0	.0
360.	.4	.3	.2	.3	.3	.2	.4	.3	.2	.1	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0
MAX	.8	.8	.5	.5	.4	.5	.6	.5	.5	.4	.3	.8	.6	.5	.4	.5	.5	1.1	1.0	.8
DEGR.	285	300	330	340	220	335	290	320	290	285	240	215	200	200	195	205	195	205	215	235

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JOB: S14 MD410&NB 295 LLRT30 AM

RUN: S14 MD410&NB 295 LLRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.0	.0
50.	.0	.0
55.	.1	.0
60.	.1	.0
65.	.1	.0
70.	.1	.0
75.	.1	.0
80.	.2	.0
85.	.3	.0
90.	.3	.0
95.	.3	.0
100.	.3	.0
105.	.3	.0
110.	.2	.0
115.	.2	.0
120.	.2	.0
125.	.2	.0
130.	.3	.0
135.	.3	.0
140.	.3	.0
145.	.3	.0
150.	.3	.0
155.	.3	.0
160.	.3	.0
165.	.3	.0
170.	.3	.0
175.	.3	.0
180.	.3	.0
185.	.3	.0
190.	.3	.1

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195. * .3 .1
200. * .2 .1
205. * .2 .1

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JOB: S14 MD410&NB 295 LLRT30 AM

RUN: S14 MD410&NB 295 LLRT AM

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WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

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-----*-----
210. * .4 .1
215. * .4 .1
220. * .4 .1
225. * .5 .2
230. * .5 .1
235. * .5 .1
240. * .3 .1
245. * .3 .0
250. * .3 .0
255. * .2 .0
260. * .1 .0
265. * .0 .0
270. * .1 .0
275. * .1 .0
280. * .1 .0
285. * .2 .0
290. * .2 .1
295. * .2 .0
300. * .2 .0
305. * .2 .0
310. * .1 .0
315. * .1 .0
320. * .1 .0
325. * .0 .0
330. * .0 .0
335. * .0 .0
340. * .0 .0
345. * .0 .0
350. * .0 .0
355. * .0 .0
360. * .0 .0

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-----*-----
MAX * .5 .2
DEGR. * 225 225

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THE HIGHEST CONCENTRATION IS 1.10 PPM AT 205 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 215 DEGREES FROM REC19.
THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 215 DEGREES FROM REC12.

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S14 MD410&NB 295 LLRT30 PM		60.0321.0.0000.000220.30480000		1	1
SE COR	339620.	471349.	5.0		
SE 82S	339611.	471314.	5.0		
SE 164S	339600.	471245.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339674.	471338.	5.0		
SE 164W	339777.	471350.	5.0		
SE 256W	339850.	471393.	5.0		
SE MIDW	340028.	471495.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 LLRT PM			48	1	0
1					
NB	I295	AG339429.472419.339464.471638.	4925	3.2	0. 44 39
1					
NB	I295	AG339464.471638.339385.470489.	4925	3.2	0. 44 39
1					
SB	I295	AG339230.470499.339198.471395.	4550	3.6	0. 44 48
1					
SB	I295	AG339198.471395.339198.472460.	4550	3.6	0. 44 48
1					
EBL	64th Ave	AG338592.471443.338510.471433.	100	3.7	0. 32 16
1					
EBL	64th Ave	AG338510.471433.338141.471423.	100	3.7	0. 32 22
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0.	12	1
110	96	2.0 100 32.1 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	2320	3.7	0. 44 22
1					
EBT	64th Ave	AG338510.471415.338143.471405.	2320	3.7	0. 44 22
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0.	24	2
110	11	2.0 2320 32.1 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	2400	3.7	0. 44 18
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	2400	3.7	0. 44 18
1					
WB	64th Ave	AG338591.471461.338706.471469.	2295	3.7	0. 44 18
2					
WB	64th Ave	AG338639.471464.338700.471469.	0.	24	2
110	24	2.0 2295 32.1 1757 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	2295	3.7	0. 44 18
1					
SBR	410&SB	AG339068.471452.339082.472350.	395	3.0	0. 32 35
2					
SBR	410&SB	AG339068.471501.339070.471636.	0.	12	1
110	84	2.0 395 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	225	3.0	0. 44 35
2					
SBL	410&SB	AG339094.471500.339094.471604.	0.	24	2
110	84	2.0 225 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	735	3.0	0. 32 35
1					
EB	295SB	AG339055.471434.338680.471425.	2400	3.7	0. 56 22
2					
EB	295SB	AG339025.471433.338903.471430.	0.	36	3
110	63	2.0 2400 32.1 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	2400	3.7	0. 56 22
1					
WBL	295SB	AG339071.471466.339146.471457.	345	3.7	0. 32 18
1					
WBL	295SB	AG339146.471457.339571.471464.	345	3.7	0. 32 18
2					
WBL	295SB	AG339155.471458.339271.471459.	0.	12	1
110	85	2.0 345 32.1 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1895	3.7	0. 44 18
1					
WBT	295SB	AG339143.471474.339575.471481.	1895	3.7	0. 44 18
2					
WBT	295SB	AG339164.471475.339313.471477.	0.	24	2
110	24	2.0 1895 32.1 1770 1 3			
1					
EBL	295NB	AG339581.471452.339143.471446.	200	3.7	0. 32 18
2					
EBL	295NB	AG339502.471451.339387.471449.	0.	12	1
110	92	2.0 200 32.1 1770 1 3			

[illegible]

JOB: S14 MD410&NB 295 LLRT30 PM  
DATE: 10/24/2007 TIME: 22:27:50.86

RUN: S14 MD410&NB 295 LLRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4925.	3.2	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4925.	3.2	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4550.	3.6	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4550.	3.6	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	100.	3.7	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	100.	3.7	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338448.6	471431.4	*	54.	268. AG	75.	100.0	.0	12.0	.63 2.8
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	2320.	3.7	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	2320.	3.7	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338427.2	471412.6	*	70.	269. AG	17.	100.0	.0	24.0	.76 3.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	2400.	3.7	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	2400.	3.7	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	2295.	3.7	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338805.9	471477.7	*	167.	85. AG	38.	100.0	.0	24.0	.88 8.5
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	2295.	3.7	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	395.	3.0	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339083.8	472568.1	*	1067.	1. AG	66.	100.0	.0	12.0	1.25 54.2
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	225.	3.0	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471551.5	*	51.	360. AG	132.	100.0	.0	24.0	.33 2.6
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	735.	3.0	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	2400.	3.7	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	337240.4	471388.8	*	1785.	269. AG	148.	100.0	.0	36.0	1.21 90.7
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	2400.	3.7	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	345.	3.7	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	345.	3.7	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339485.6	471460.8	*	331.	90. AG	67.	100.0	.0	12.0	1.02 16.8
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1895.	3.7	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1895.	3.7	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339288.3	471476.7	*	124.	89. AG	38.	100.0	.0	24.0	.72 6.3
30. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	200.	3.7	.0	32.0	
31. EBL	295NB	* 339502.0	471451.0	339371.3	471448.8	*	131.	269. AG	72.	100.0	.0	12.0	.89 6.6
32. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	200.	3.7	.0	32.0	
33. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	2045.	3.7	.0	44.0	
34. EBT	295NB	* 339500.0	471435.0	339388.3	471433.1	*	112.	269. AG	31.	100.0	.0	24.0	.74 5.7
35. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	2045.	3.7	.0	44.0	
36. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	2020.	3.7	.0	68.0	
37. WBALL	295NB	* 339627.0	471482.0	339801.9	471492.0	*	175.	87. AG	197.	100.0	.0	48.0	.78 8.9
38. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	2020.	3.7	.0	68.0	
39. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	2020.	3.7	.0	56.0	
40. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	2020.	3.7	.0	56.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	2320.	3.7	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	2320.	3.7	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	2320.	3.7	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	2320.	3.7	.0	44.0	

JOB: S14 MD410&NB 295 LLRT30 PM  
DATE: 10/24/2007 TIME: 22:27:50.86

RUN: S14 MD410&NB 295 LLRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	2320.	3.7	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	655.	3.0	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339559.1	471281.6	*	118.	185. AG	207.	100.0	.0	36.0	.80 6.0
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	370.	3.0	.0	32.0	

JOB: S14 MD410&NB 295 LLRT30 PM  
DATE: 10/24/2007 TIME: 22:27:50.86

RUN: S14 MD410&NB 295 LLRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	96	2.0	100	1770	32.10	1	3
10. EBT	64th Ave	* 110	11	2.0	2320	1770	32.10	1	3
14. WB	64th Ave	* 110	24	2.0	2295	1757	32.10	1	3
17. SBR	410&SB	* 110	84	2.0	395	1583	32.10	1	3
19. SBL	410&SB	* 110	84	2.0	225	1717	32.10	1	3
22. EB	295SB	* 110	63	2.0	2400	1695	32.10	1	3
26. WBL	295SB	* 110	85	2.0	345	1770	32.10	1	3
29. WBT	295SB	* 110	24	2.0	1895	1770	32.10	1	3
31. EBL	295NB	* 110	92	2.0	200	1770	32.10	1	3
34. EBT	295NB	* 110	20	2.0	2045	1770	32.10	1	3

37. WBALL	295NB	*	110	63	2.0	2020	1667	32.10	1	3
47. NBALL	410&NB	*	110	88	2.0	655	1672	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339620.0	471349.0	5.0	*
2. SE 82S	*	339611.0	471314.0	5.0	*
3. SE 164S	*	339600.0	471245.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339674.0	471338.0	5.0	*
8. SE 164W	*	339777.0	471350.0	5.0	*
9. SE 256W	*	339850.0	471393.0	5.0	*
10. SE MIDW	*	340028.0	471495.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

1

JOB: S14 MD410&NB 295 LLRT30 PM

RUN: S14 MD410&NB 295 LLRT PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.4	.4	.4	.4	.2	.4	.4	.2	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0
5.	*	.3	.3	.3	.3	.2	.2	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.4	.3	.3	.2	.1	.1	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.4	.3	.2	.2	.0	.1	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.4	.2	.2	.0	.0	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.4	.4	.1	.1	.0	.0	.4	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.4	.3	.1	.1	.0	.0	.4	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.5	.3	.1	.1	.0	.0	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.5	.2	.1	.0	.0	.0	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.5	.2	.1	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.5	.2	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.3	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
65.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.4	.2
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.4	.2
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.5	.4	.3
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.6	.4	.4
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.7	.5	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.8	.4	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.9	.3	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	1.0	.5	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.0	.0	.0	.0	1.0	.4	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.0	.0	.0	.0	1.0	.4	.3
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.0	.0	.0	.9	.5	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.0	.0	.0	1.0	.5	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.0	1.0	.6	.4
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.1	.1	.0	.0	1.0	.6	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.0	.9	.6	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.0	.8	.7	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.1	.0	.0	.9	.8	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.0	.0	.9	.8	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.1	.0	.0	.8	.7	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.8	.7	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.1	.2	.3	.8	.8	.3
180.	*	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.4	.5	.2	.3	.2	.3	.8	.8	.3
185.	*	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.7	.4	.2	.3	.3	.3	.8	.8	.3
190.	*	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0	.7	.3	.4	.3	.3	.4	.9	.8	.4
195.	*	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.7	.3	.4	.4	.4	.5	1.0	.8	.4
200.	*	.3	.2	.2	.2	.2	.1	.1	.0	.0	.0	1.0	.6	.6	.4	.4	.4	1.0	.9	.4
205.	*	.5	.4	.3	.3	.2	.1	.1	.1	.0	.0	.7	.6	.5	.4	.5	.4	1.1	1.0	.7

1

JOB: S14 MD410&NB 295 LLRT30 PM

RUN: S14 MD410&NB 295 LLRT PM

PAGE 5

WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.5	.4	.4	.4	.3	.2	.2	.1	.1	.0	.0	.7	.5	.5	.3	.4	.4	1.1	1.2	.7
215.	.6	.5	.4	.4	.3	.2	.2	.1	.1	.0	.0	.7	.5	.5	.4	.3	.3	1.1	1.3	.6
220.	.6	.5	.4	.4	.4	.2	.2	.2	.1	.1	.0	.6	.5	.5	.4	.3	.3	1.1	1.2	.8
225.	.7	.5	.4	.4	.4	.2	.2	.2	.2	.1	.2	.6	.5	.5	.3	.3	.3	1.1	1.1	.9
230.	.6	.6	.4	.4	.4	.3	.3	.2	.2	.1	.2	.6	.5	.5	.3	.3	.3	1.1	1.1	1.0
235.	.6	.6	.4	.4	.4	.3	.3	.2	.2	.2	.3	.7	.5	.3	.3	.4	.4	.9	1.1	1.0
240.	.7	.6	.4	.4	.4	.4	.3	.2	.2	.2	.4	.7	.5	.4	.3	.4	.3	.9	1.1	.9
245.	.7	.6	.4	.4	.4	.4	.3	.3	.3	.1	.5	.8	.4	.3	.4	.4	.3	.9	1.0	.6
250.	.7	.6	.4	.4	.4	.4	.4	.3	.3	.2	.4	.8	.6	.4	.4	.4	.3	.7	.8	.6
255.	.6	.6	.4	.4	.4	.4	.4	.3	.3	.3	.2	.8	.5	.4	.4	.3	.3	.8	.8	.8
260.	.6	.6	.3	.4	.4	.4	.4	.3	.2	.4	.3	.9	.5	.4	.4	.3	.3	.7	.8	.5
265.	.7	.8	.4	.4	.4	.4	.5	.4	.3	.5	.2	.8	.4	.4	.4	.3	.3	.7	.7	.3
270.	.7	.8	.5	.4	.4	.4	.5	.3	.4	.6	.2	.5	.4	.3	.3	.3	.3	.5	.6	.3
275.	.7	.8	.5	.5	.4	.4	.5	.4	.4	.5	.2	.5	.2	.3	.3	.3	.3	.5	.3	.2
280.	.8	.7	.5	.5	.4	.4	.5	.4	.7	.4	.1	.4	.2	.3	.3	.3	.3	.2	.1	
285.	.9	.8	.4	.5	.5	.4	.7	.5	.7	.4	.1	.3	.3	.3	.3	.3	.3	.2	.2	.2
290.	.8	.7	.4	.5	.5	.4	.6	.6	.7	.3	.1	.2	.3	.3	.3	.3	.3	.2	.2	.2
295.	.9	.9	.4	.5	.5	.4	.6	.5	.6	.4	.1	.2	.3	.3	.3	.3	.3	.3	.2	.2
300.	.8	.9	.6	.4	.5	.5	.5	.4	.5	.4	.1	.2	.3	.3	.3	.3	.3	.3	.2	.2
305.	.8	.9	.7	.4	.5	.5	.5	.5	.8	.4	.0	.3	.2	.3	.3	.3	.2	.2	.2	.2
310.	.7	.9	.8	.4	.4	.4	.5	.5	.7	.3	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
315.	.6	1.0	.9	.4	.4	.4	.5	.5	.7	.3	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
320.	.6	.9	.9	.5	.4	.4	.4	.7	.7	.3	.0	.3	.4	.3	.3	.4	.2	.2	.2	.1
325.	.6	.9	.9	.5	.4	.4	.4	.7	.5	.2	.0	.4	.4	.4	.4	.3	.2	.2	.2	.1
330.	.7	.8	.9	.6	.4	.4	.5	.5	.5	.2	.0	.4	.4	.4	.4	.3	.2	.2	.1	.1
335.	.7	.8	.9	.6	.4	.5	.5	.5	.4	.2	.0	.4	.4	.3	.3	.3	.2	.1	.1	.1
340.	.4	.6	.9	.5	.4	.4	.4	.5	.3	.2	.0	.3	.3	.3	.3	.3	.2	.1	.1	.0
345.	.3	.3	.7	.6	.4	.4	.4	.5	.3	.2	.0	.3	.3	.3	.2	.2	.1	.1	.0	.0
350.	.3	.3	.6	.5	.4	.4	.5	.4	.2	.2	.0	.2	.2	.2	.2	.2	.0	.1	.0	.0
355.	.4	.4	.3	.5	.3	.2	.5	.4	.2	.3	.0	.2	.2	.1	.2	.1	.0	.0	.0	.0
360.	.4	.4	.4	.4	.4	.2	.4	.4	.2	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
MAX	.9	1.0	.9	.6	.5	.5	.7	.7	.8	.6	.5	1.0	.6	.6	.4	.5	.5	1.1	1.3	1.0
DEGR.	285	315	315	330	285	300	285	320	305	270	245	200	200	200	195	205	195	205	215	230

1

JOB: S14 MD410&NB 295 LLRT30 PM

RUN: S14 MD410&NB 295 LLRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.0	.0
50.	.0	.0
55.	.1	.0
60.	.1	.0
65.	.1	.0
70.	.2	.0
75.	.3	.0
80.	.3	.0
85.	.3	.0
90.	.4	.0
95.	.3	.0
100.	.3	.0
105.	.3	.0
110.	.3	.0
115.	.4	.0
120.	.4	.0
125.	.3	.0
130.	.3	.0
135.	.3	.0
140.	.3	.0
145.	.3	.0
150.	.3	.0
155.	.3	.0
160.	.3	.0
165.	.3	.0
170.	.3	.0
175.	.3	.0
180.	.3	.0
185.	.3	.1
190.	.3	.2

195. \* .3 .2  
200. \* .4 .2  
205. \* .4 .2

1

JOB: S14 MD410&NB 295 LLRT30 PM

RUN: S14 MD410&NB 295 LLRT PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22

210.	*	.6	.2
215.	*	.5	.2
220.	*	.5	.2
225.	*	.6	.2
230.	*	.6	.1
235.	*	.5	.2
240.	*	.3	.1
245.	*	.3	.1
250.	*	.3	.0
255.	*	.3	.1
260.	*	.2	.1
265.	*	.2	.0
270.	*	.2	.0
275.	*	.1	.1
280.	*	.2	.1
285.	*	.2	.1
290.	*	.2	.1
295.	*	.2	.1
300.	*	.2	.1
305.	*	.2	.0
310.	*	.1	.0
315.	*	.1	.0
320.	*	.1	.0
325.	*	.0	.0
330.	*	.0	.0
335.	*	.0	.0
340.	*	.0	.0
345.	*	.0	.0
350.	*	.0	.0
355.	*	.0	.0
360.	*	.0	.0

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MAX \* .6 .2  
DEGR. \* 210 190

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 215 DEGREES FROM REC19.  
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 205 DEGREES FROM REC18.  
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 200 DEGREES FROM REC12.

S14 MD410&NB 295 HLRT30 AM			60.0321.0.0000.000220.30480000	1	1
SE COR	339620.	471349.	5.0		
SE 82S	339611.	471314.	5.0		
SE 164S	339600.	471245.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339674.	471338.	5.0		
SE 164W	339777.	471350.	5.0		
SE 256W	339850.	471393.	5.0		
SE MIDW	340028.	471495.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 HLRT AM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	3125 4.5 0. 44	64	
1					
NB	I295	AG339464.471638.339385.470489.	3125 4.5 0. 44	64	
1					
SB	I295	AG339230.470499.339198.471395.	4700 3.4 0. 44	45	
1					
SB	I295	AG339198.471395.339198.472460.	4700 3.4 0. 44	45	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	30 3.2 0. 32	22	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	30 3.2 0. 32	22	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	101	2.0 30 32.1 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	1445 3.2 0. 44	22	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	1445 3.2 0. 44	22	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	13	2.0 1445 32.1 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	2245 3.5 0. 44	18	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	2245 3.5 0. 44	18	
1					
WB	64th Ave	AG338591.471461.338706.471469.	2150 3.5 0. 44	18	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
110	21	2.0 2150 32.1 1759 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	2150 3.5 0. 44	18	
1					
SBR	410&SB	AG339068.471452.339082.472350.	320 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	81	2.0 320 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	105 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	81	2.0 105 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	515 3.0 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	1545 3.2 0. 56	22	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	70	2.0 1545 32.1 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	1545 3.2 0. 56	22	
1					
WBL	295SB	AG339071.471466.339146.471457.	320 3.5 0. 32	18	
1					
WBL	295SB	AG339146.471457.339571.471464.	320 3.5 0. 32	18	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	82	2.0 320 32.1 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1935 3.5 0. 44	18	
1					
WBT	295SB	AG339143.471474.339575.471481.	1935 3.5 0. 44	18	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
110	27	2.0 1935 32.1 1770 1 3			
1					
EBL	295NB	AG339581.471452.339143.471446.	315 3.5 0. 32	18	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	82	2.0 315 32.1 1770 1 3			

EBL	1	295NB	AG339143.471446.339056.471456.	315	3.5	0.	32	18
EET	1	295NB	AG339578.471436.339180.471430.	1150	3.5	0.	44	18
EET	2	295NB	AG339500.471435.339323.471432.	0.	24	2		
	110	17	2.0 1150 32.1 1770 1 3					
EET	1	295NB	AG339180.471430.339062.471437.	1150	3.5	0.	44	18
WBALL	1	295NB	AG339581.471480.339720.471488.	2190	3.2	0.	68	22
WBALL	2	295NB	AG339627.471482.339714.471487.	0.	48	4		
	110	59	2.0 2190 32.1 1667 1 3					
WBALL	1	295NB	AG339720.471488.339889.471538.	2190	3.2	0.	68	22
WBALL	1	295NB	AG339888.471539.340002.471605.	2190	3.2	0.	56	22
WBALL	1	295NB	AG340002.471605.340116.471683.	2190	3.2	0.	56	22
EBDP	1	295NB	AG340120.471663.340029.471583.	1220	3.5	0.	44	18
EBDP	1	295NB	AG340029.471583.339905.471508.	1220	3.5	0.	44	18
EBDP	1	295NB	AG339905.471508.339789.471462.	1220	3.5	0.	44	18
EBDP	1	295NB	AG339789.471462.339706.471443.	1220	3.5	0.	44	18
EBDP	1	295NB	AG339706.471443.339581.471435.	1220	3.5	0.	44	18
NBALL	2	410&NB	AG339573.471458.339493.470454.	460	3.0	0.	56	35
NBALL	2	410&NB	AG339569.471399.339547.471137.	0.	36	3		
	110	91	2.0 460 32.1 1672 1 3					
NBDP	1	410&NB	AG339513.472452.339593.471471.	730	3.0	0.	32	35
1.0	04	1000	0Y 5 0 72					



JOB: S14 MD410&NB 295 HLRT30 AM  
DATE: 10/24/2007 TIME: 22:32:48.28

RUN: S14 MD410&NB 295 HLRT AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. NB	I295	*	339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	3125.	4.5	.0	44.0	
2. NB	I295	*	339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	3125.	4.5	.0	44.0	
3. SB	I295	*	339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4700.	3.4	.0	44.0	
4. SB	I295	*	339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4700.	3.4	.0	44.0	
5. EBL	64th Ave	*	338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	30.	3.2	.0	32.0	
6. EBL	64th Ave	*	338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	30.	3.2	.0	32.0	
7. EBL	64th Ave	*	338503.0	471433.0	338486.5	471432.5	*	17.	268. AG	79.	100.0	.0	12.0	.38
8. EBT	64th Ave	*	338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	1445.	3.2	.0	44.0	
9. EBT	64th Ave	*	338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	1445.	3.2	.0	44.0	
10. EBT	64th Ave	*	338497.0	471414.0	338445.7	471413.0	*	51.	269. AG	20.	100.0	.0	24.0	.48
11. WBDP	64th Ave	*	338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	2245.	3.5	.0	44.0	
12. WBDP	64th Ave	*	338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	2245.	3.5	.0	44.0	
13. WB	64th Ave	*	338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	2150.	3.5	.0	44.0	
14. WB	64th Ave	*	338639.0	471464.0	338762.0	471474.1	*	123.	85. AG	33.	100.0	.0	24.0	.79
15. WB	64th Ave	*	338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	2150.	3.5	.0	44.0	
16. SBR	410&SB	*	339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	320.	3.0	.0	32.0	
17. SBR	410&SB	*	339068.0	471501.0	339070.6	471676.3	*	175.	1. AG	63.	100.0	.0	12.0	.89
18. SBL	410&SB	*	339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	105.	3.0	.0	44.0	
19. SBL	410&SB	*	339094.0	471500.0	339094.0	471523.0	*	23.	360. AG	127.	100.0	.0	24.0	.13
20. SBDP	410&SB	*	339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	515.	3.0	.0	32.0	
21. EB	295SB	*	339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	1545.	3.2	.0	56.0	
22. EB	295SB	*	339025.0	471433.0	338773.8	471426.8	*	251.	268. AG	164.	100.0	.0	36.0	.93
23. EB	295SB	*	338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	1545.	3.2	.0	56.0	
24. WBL	295SB	*	339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	320.	3.5	.0	32.0	
25. WBL	295SB	*	339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	320.	3.5	.0	32.0	
26. WBL	295SB	*	339155.0	471458.0	339315.7	471459.4	*	161.	89. AG	64.	100.0	.0	12.0	.83
27. WBT	295SB	*	339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1935.	3.5	.0	44.0	
28. WBT	295SB	*	339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1935.	3.5	.0	44.0	
29. WBT	295SB	*	339164.0	471475.0	339306.7	471476.9	*	143.	89. AG	42.	100.0	.0	24.0	.76
30. EBL	295NB	*	339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	315.	3.5	.0	32.0	
31. EBL	295NB	*	339502.0	471451.0	339346.1	471448.3	*	156.	269. AG	64.	100.0	.0	12.0	.82
32. EBL	295NB	*	339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	315.	3.5	.0	32.0	
33. EBT	295NB	*	339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	1150.	3.5	.0	44.0	
34. EBT	295NB	*	339500.0	471435.0	339446.6	471434.1	*	53.	269. AG	27.	100.0	.0	24.0	.40
35. EBT	295NB	*	339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	1150.	3.5	.0	44.0	
36. WBALL	295NB	*	339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	2190.	3.2	.0	68.0	
37. WBALL	295NB	*	339627.0	471482.0	339803.2	471492.1	*	176.	87. AG	185.	100.0	.0	48.0	.77
38. WBALL	295NB	*	339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	2190.	3.2	.0	68.0	
39. WBALL	295NB	*	339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	2190.	3.2	.0	56.0	
40. WBALL	295NB	*	340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	2190.	3.2	.0	56.0	
41. EBDP	295NB	*	340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	1220.	3.5	.0	44.0	
42. EBDP	295NB	*	340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	1220.	3.5	.0	44.0	
43. EBDP	295NB	*	339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	1220.	3.5	.0	44.0	
44. EBDP	295NB	*	339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	1220.	3.5	.0	44.0	

JOB: S14 MD410&NB 295 HLRT30 AM  
DATE: 10/24/2007 TIME: 22:32:48.28

RUN: S14 MD410&NB 295 HLRT AM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
45. EBDP	295NB	*	339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	1220.	3.5	.0	44.0	
46. NBALL	410&NB	*	339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	460.	3.0	.0	56.0	
47. NBALL	410&NB	*	339569.0	471399.0	339562.4	471320.4	*	79.	185. AG	214.	100.0	.0	36.0	.67
48. NBDP	410&NB	*	339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	730.	3.0	.0	32.0	4.0

JOB: S14 MD410&NB 295 HLRT30 AM  
DATE: 10/24/2007 TIME: 22:32:48.28

RUN: S14 MD410&NB 295 HLRT AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
7. EBL	64th Ave	*	110	101	2.0	30	1770	32.10	1	3
10. EBT	64th Ave	*	110	13	2.0	1445	1770	32.10	1	3
14. WB	64th Ave	*	110	21	2.0	2150	1759	32.10	1	3
17. SBR	410&SB	*	110	81	2.0	320	1583	32.10	1	3
19. SBL	410&SB	*	110	81	2.0	105	1717	32.10	1	3
22. EB	295SB	*	110	70	2.0	1545	1695	32.10	1	3
26. WBL	295SB	*	110	82	2.0	320	1770	32.10	1	3
29. WBT	295SB	*	110	27	2.0	1935	1770	32.10	1	3
31. EBL	295NB	*	110	82	2.0	315	1770	32.10	1	3
34. EBT	295NB	*	110	17	2.0	1150	1770	32.10	1	3

37. WBALL	295NB	*	110	59	2.0	2190	1667	32.10	1	3
47. NBALL	410&NB	*	110	91	2.0	460	1672	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339620.0	471349.0	5.0	*
2. SE 82S	*	339611.0	471314.0	5.0	*
3. SE 164S	*	339600.0	471245.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339674.0	471338.0	5.0	*
8. SE 164W	*	339777.0	471350.0	5.0	*
9. SE 256W	*	339850.0	471393.0	5.0	*
10. SE MIDW	*	340028.0	471495.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

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JOB: S14 MD410&NB 295 HLRT30 AM

RUN: S14 MD410&NB 295 HLRT AM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.3	.2	.3	.3	.2	.4	.3	.2	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0
5.	*	.3	.2	.2	.1	.1	.2	.3	.2	.2	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0
10.	*	.3	.2	.2	.2	.0	.0	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.4	.2	.1	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.3	.1	.1	.0	.0	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.4	.3	.1	.1	.0	.0	.3	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.4	.2	.1	.1	.0	.0	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.3	.2	.1	.1	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.3	.1	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.3	.2	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
65.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.2	.2
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.3	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.3	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	.3	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.6	.2	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.7	.2	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.8	.2	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.7	.4	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0	.7	.4	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0	.0	.0	.0	.8	.4	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.0	.0	.0	.8	.5	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.0	.0	.0	1.0	.5	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.1	.0	.0	.9	.5	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.0	.9	.6	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.0	.8	.6	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.0	.7	.5	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.7	.6	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.7	.6	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.2	.1	.1	.7	.6	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	.2	.1	.1	.8	.7	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.2	.2	.2	.8	.7	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.2	.2	.2	.3	.8	.7	.3
185.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	.4	.3	.2	.2	.3	.8	.7	.3
190.	*	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.5	.4	.3	.3	.3	.4	.9	.7	.4
195.	*	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.5	.3	.3	.4	.4	.5	.9	.7	.4
200.	*	.1	.1	.2	.2	.2	.1	.1	.0	.0	.0	.7	.6	.5	.4	.4	.4	1.0	.8	.3
205.	*	.2	.2	.1	.3	.2	.1	.1	.1	.0	.0	.6	.6	.5	.4	.5	.4	1.1	.8	.5

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JOB: S14 MD410&NB 295 HLRT30 AM

RUN: S14 MD410&NB 295 HLRT AM

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WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.3	.3	.3	.4	.2	.2	.2	.1	.1	.0	.0	.7	.5	.5	.4	.4	.4	1.1	.8	.5
215.	.3	.3	.3	.4	.3	.2	.2	.1	.1	.0	.0	.8	.5	.5	.4	.4	.4	1.0	1.0	.5
220.	.4	.3	.3	.4	.4	.2	.2	.2	.1	.1	.0	.7	.5	.5	.4	.4	.4	1.0	1.0	.7
225.	.3	.3	.3	.4	.4	.2	.2	.2	.2	.1	.0	.7	.5	.5	.4	.4	.4	.9	1.0	.7
230.	.3	.2	.3	.3	.3	.2	.2	.2	.2	.1	.0	.7	.5	.5	.4	.4	.4	.9	.9	.7
235.	.4	.2	.2	.3	.3	.1	.2	.2	.2	.1	.1	.7	.5	.4	.4	.4	.4	.7	.9	.8
240.	.4	.2	.2	.3	.3	.3	.2	.2	.2	.2	.3	.8	.5	.4	.3	.4	.4	.9	.8	.8
245.	.4	.2	.2	.3	.3	.3	.2	.2	.2	.1	.2	.8	.4	.3	.3	.4	.4	.8	.7	.6
250.	.5	.2	.2	.3	.3	.3	.3	.2	.2	.1	.3	.6	.5	.4	.4	.4	.4	.7	.7	.5
255.	.5	.2	.2	.2	.2	.2	.3	.2	.3	.2	.2	.6	.4	.4	.4	.4	.4	.7	.6	.6
260.	.5	.3	.2	.2	.2	.3	.3	.3	.2	.2	.2	.5	.4	.4	.4	.4	.4	.4	.5	.4
265.	.6	.3	.2	.2	.2	.3	.4	.3	.2	.3	.1	.5	.3	.3	.4	.4	.4	.5	.5	.2
270.	.6	.4	.2	.2	.3	.3	.4	.2	.2	.3	.1	.4	.3	.3	.4	.4	.4	.4	.5	.2
275.	.5	.4	.2	.2	.3	.3	.3	.2	.1	.2	.1	.4	.3	.3	.4	.4	.4	.4	.2	.2
280.	.6	.3	.2	.2	.3	.3	.3	.2	.3	.3	.1	.4	.3	.3	.4	.4	.4	.3	.2	.1
285.	.8	.5	.2	.2	.2	.3	.5	.4	.4	.4	.0	.3	.4	.3	.4	.4	.4	.2	.2	.2
290.	.8	.5	.1	.2	.2	.2	.6	.4	.5	.3	.0	.3	.4	.4	.4	.4	.4	.2	.2	.2
295.	.8	.7	.2	.3	.3	.3	.6	.3	.5	.3	.0	.3	.4	.4	.4	.4	.4	.2	.2	.2
300.	.7	.8	.2	.2	.3	.3	.5	.3	.4	.4	.0	.3	.3	.4	.4	.4	.4	.3	.2	.2
305.	.7	.8	.2	.3	.3	.3	.4	.4	.4	.3	.0	.4	.3	.4	.4	.4	.3	.2	.2	.2
310.	.7	.8	.3	.3	.3	.3	.4	.4	.5	.3	.0	.4	.4	.4	.4	.4	.3	.2	.2	.2
315.	.6	.8	.4	.3	.3	.3	.3	.4	.5	.3	.0	.4	.4	.4	.4	.4	.3	.2	.2	.2
320.	.5	.7	.4	.3	.4	.4	.2	.5	.5	.3	.0	.3	.4	.4	.4	.4	.2	.2	.2	.1
325.	.5	.7	.4	.4	.4	.4	.3	.5	.4	.2	.0	.4	.4	.4	.4	.3	.2	.2	.1	.1
330.	.5	.7	.5	.4	.4	.4	.3	.4	.4	.2	.0	.4	.4	.4	.4	.3	.2	.2	.1	.1
335.	.5	.7	.5	.3	.4	.5	.5	.3	.4	.2	.0	.4	.4	.3	.3	.3	.2	.1	.1	.0
340.	.2	.5	.5	.5	.4	.4	.4	.3	.3	.2	.0	.3	.3	.3	.3	.2	.1	.1	.1	.0
345.	.1	.3	.4	.5	.3	.4	.4	.4	.3	.2	.0	.2	.2	.2	.2	.2	.1	.1	.0	.0
350.	.3	.2	.3	.4	.3	.4	.4	.3	.2	.2	.0	.2	.2	.2	.2	.2	.1	.1	.0	.0
355.	.4	.2	.3	.4	.3	.2	.4	.3	.2	.1	.0	.2	.2	.2	.2	.1	.1	.0	.0	.0
360.	.4	.3	.2	.3	.3	.2	.4	.3	.2	.1	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0
MAX	.8	.8	.5	.5	.4	.5	.6	.5	.5	.4	.3	.8	.6	.5	.4	.5	.5	1.1	1.0	.8
DEGR.	285	300	330	340	220	335	290	320	290	285	240	215	200	200	195	205	195	205	215	235

1

JOB: S14 MD410&NB 295 HLRT30 AM

RUN: S14 MD410&NB 295 HLRT AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.0	.0
50.	.0	.0
55.	.1	.0
60.	.1	.0
65.	.1	.0
70.	.1	.0
75.	.1	.0
80.	.2	.0
85.	.3	.0
90.	.3	.0
95.	.3	.0
100.	.3	.0
105.	.3	.0
110.	.2	.0
115.	.2	.0
120.	.2	.0
125.	.2	.0
130.	.3	.0
135.	.3	.0
140.	.3	.0
145.	.3	.0
150.	.3	.0
155.	.3	.0
160.	.3	.0
165.	.3	.0
170.	.3	.0
175.	.3	.0
180.	.3	.0
185.	.3	.0
190.	.3	.1

```

195. * .3 .1
200. * .2 .1
205. * .2 .1

```

1

JOB: S14 MD410&NB 295 HLRT30 AM

RUN: S14 MD410&NB 295 HLRT AM

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WIND ANGLE RANGE: 0.-360.

```

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

```

```

-----*-----
210. * .4 .1
215. * .4 .1
220. * .4 .1
225. * .5 .2
230. * .5 .1
235. * .5 .1
240. * .3 .1
245. * .3 .0
250. * .3 .0
255. * .2 .0
260. * .1 .0
265. * .0 .0
270. * .1 .0
275. * .1 .0
280. * .1 .0
285. * .2 .0
290. * .2 .1
295. * .2 .0
300. * .2 .0
305. * .2 .0
310. * .1 .0
315. * .1 .0
320. * .1 .0
325. * .0 .0
330. * .0 .0
335. * .0 .0
340. * .0 .0
345. * .0 .0
350. * .0 .0
355. * .0 .0
360. * .0 .0

```

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-----*-----
MAX * .5 .2
DEGR. * 225 225

```

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THE HIGHEST CONCENTRATION IS 1.10 PPM AT 205 DEGREES FROM REC18.
THE 2ND HIGHEST CONCENTRATION IS 1.00 PPM AT 215 DEGREES FROM REC19.
THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 215 DEGREES FROM REC12.

```

S14 MD410&NB 295 HLRT30 PM			60.0321.0.0000.000220.30480000	1	1
SE COR	339620.	471349.	5.0		
SE 82S	339611.	471314.	5.0		
SE 164S	339600.	471245.	5.0		
SE 256S	339580.	471166.	5.0		
SE MIDS	339561.	470937.	5.0		
SE MIDS	339540.	470686.	5.0		
SE 82W	339674.	471338.	5.0		
SE 164W	339777.	471350.	5.0		
SE 256W	339850.	471393.	5.0		
SE MIDW	340028.	471495.	5.0		
SE MIDW	340197.	471675.	5.0		
NE COR	339608.	471520.	5.0		
NE 82N	339602.	471584.	5.0		
NE 164N	339597.	471668.	5.0		
NE 256N	339589.	471748.	5.0		
NE MIDN	339569.	471982.	5.0		
NE MIDN	339549.	472234.	5.0		
NE 82E	339676.	471522.	5.0		
NE 164E	339759.	471538.	5.0		
NE 256E	339838.	471568.	5.0		
NE MIDE	339952.	471626.	5.0		
NE MIDE	340141.	471787.	5.0		
S14 MD410&NB 295 HLRT PM			48 1 0		
1					
NB	I295	AG339429.472419.339464.471638.	4925 3.2 0. 44	39	
1					
NB	I295	AG339464.471638.339385.470489.	4925 3.2 0. 44	39	
1					
SB	I295	AG339230.470499.339198.471395.	4550 3.6 0. 44	48	
1					
SB	I295	AG339198.471395.339198.472460.	4550 3.6 0. 44	48	
1					
EBL	64th Ave	AG338592.471443.338510.471433.	100 3.7 0. 32	16	
1					
EBL	64th Ave	AG338510.471433.338141.471423.	100 3.7 0. 32	22	
2					
EBL	64th Ave	AG338503.471433.338403.471430.	0. 12 1		
110	96	2.0 100 32.1 1770 1 3			
1					
EBT	64th Ave	AG338595.471423.338510.471415.	2320 3.7 0. 44	22	
1					
EBT	64th Ave	AG338510.471415.338143.471405.	2320 3.7 0. 44	22	
2					
EBT	64th Ave	AG338497.471414.338348.471411.	0. 24 2		
110	11	2.0 2320 32.1 1770 1 3			
1					
WBDP	64th Ave	AG338142.471443.338498.471451.	2400 3.7 0. 44	18	
1					
WBDP	64th Ave	AG338498.471451.338590.471461.	2400 3.7 0. 44	18	
1					
WB	64th Ave	AG338591.471461.338706.471469.	2295 3.7 0. 44	18	
2					
WB	64th Ave	AG338639.471464.338700.471469.	0. 24 2		
110	24	2.0 2295 32.1 1757 1 3			
1					
WB	64th Ave	AG338706.471469.339066.471484.	2295 3.7 0. 44	18	
1					
SBR	410&SB	AG339068.471452.339082.472350.	395 3.0 0. 32	35	
2					
SBR	410&SB	AG339068.471501.339070.471636.	0. 12 1		
110	84	2.0 395 32.1 1583 1 3			
1					
SBL	410&SB	AG339094.471448.339094.472358.	225 3.0 0. 44	35	
2					
SBL	410&SB	AG339094.471500.339094.471604.	0. 24 2		
110	84	2.0 225 32.1 1717 1 3			
1					
SBDP	410&SB	AG339141.470530.339087.471449.	735 3.0 0. 32	35	
1					
EB	295SB	AG339055.471434.338680.471425.	2400 3.7 0. 56	22	
2					
EB	295SB	AG339025.471433.338903.471430.	0. 36 3		
110	63	2.0 2400 32.1 1695 1 3			
1					
EB	295SB	AG338680.471425.338592.471416.	2400 3.7 0. 56	22	
1					
WBL	295SB	AG339071.471466.339146.471457.	345 3.7 0. 32	18	
1					
WBL	295SB	AG339146.471457.339571.471464.	345 3.7 0. 32	18	
2					
WBL	295SB	AG339155.471458.339271.471459.	0. 12 1		
110	85	2.0 345 32.1 1770 1 3			
1					
WBT	295SB	AG339084.471480.339143.471474.	1895 3.7 0. 44	18	
1					
WBT	295SB	AG339143.471474.339575.471481.	1895 3.7 0. 44	18	
2					
WBT	295SB	AG339164.471475.339313.471477.	0. 24 2		
110	24	2.0 1895 32.1 1770 1 3			
1					
EBL	295NB	AG339581.471452.339143.471446.	200 3.7 0. 32	18	
2					
EBL	295NB	AG339502.471451.339387.471449.	0. 12 1		
110	92	2.0 200 32.1 1770 1 3			

	EBL	1	295NB	AG339143.471446.339056.471456.	200	3.7	0.	32	18
	EFT	1	295NB	AG339578.471436.339180.471430.	2045	3.7	0.	44	18
	EFT	2	295NB	AG339500.471435.339323.471432.	0.	24	2		
		110		20        2.0 2045      32.1 1770 1 3					
	EFT	1	295NB	AG339180.471430.339062.471437.	2045	3.7	0.	44	18
	WBALL	1	295NB	AG339581.471480.339720.471488.	2020	3.7	0.	68	22
	WBALL	2	295NB	AG339627.471482.339714.471487.	0.	48	4		
		110		63        2.0 2020      32.1 1667 1 3					
	WBALL	1	295NB	AG339720.471488.339889.471538.	2020	3.7	0.	68	22
	WBALL	1	295NB	AG339888.471539.340002.471605.	2020	3.7	0.	56	22
	WBALL	1	295NB	AG340002.471605.340116.471683.	2020	3.7	0.	56	22
	EBDP	1	295NB	AG340120.471663.340029.471583.	2320	3.7	0.	44	18
	EBDP	1	295NB	AG340029.471583.339905.471508.	2320	3.7	0.	44	18
	EBDP	1	295NB	AG339905.471508.339789.471462.	2320	3.7	0.	44	18
	EBDP	1	295NB	AG339789.471462.339706.471443.	2320	3.7	0.	44	18
	EBDP	1	295NB	AG339706.471443.339581.471435.	2320	3.7	0.	44	18
	NBALL	2	410&NB	AG339573.471458.339493.470454.	655	3.0	0.	56	35
	NBALL		410&NB	AG339569.471399.339547.471137.	0.	36	3		
		110		88        2.0 655        32.1 1672 1 3					
	NBDP	1	410&NB	AG339513.472452.339593.471471.	370	3.0	0.	32	35
	1.0	04	1000	OY 5 0 72					

JOB: S14 MD410&NB 295 HLRT30 PM  
DATE: 10/24/2007 TIME: 22:34:30.12

RUN: S14 MD410&NB 295 HLRT PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. NB	I295	* 339429.0	472419.0	339464.0	471638.0	*	782.	177. AG	4925.	3.2	.0	44.0	
2. NB	I295	* 339464.0	471638.0	339385.0	470489.0	*	1152.	184. AG	4925.	3.2	.0	44.0	
3. SB	I295	* 339230.0	470499.0	339198.0	471395.0	*	897.	358. AG	4550.	3.6	.0	44.0	
4. SB	I295	* 339198.0	471395.0	339198.0	472460.0	*	1065.	360. AG	4550.	3.6	.0	44.0	
5. EBL	64th Ave	* 338592.0	471443.0	338510.0	471433.0	*	83.	263. AG	100.	3.7	.0	32.0	
6. EBL	64th Ave	* 338510.0	471433.0	338141.0	471423.0	*	369.	268. AG	100.	3.7	.0	32.0	
7. EBL	64th Ave	* 338503.0	471433.0	338448.6	471431.4	*	54.	268. AG	75.	100.0	.0	12.0	.63 2.8
8. EBT	64th Ave	* 338595.0	471423.0	338510.0	471415.0	*	85.	265. AG	2320.	3.7	.0	44.0	
9. EBT	64th Ave	* 338510.0	471415.0	338143.0	471405.0	*	367.	268. AG	2320.	3.7	.0	44.0	
10. EBT	64th Ave	* 338497.0	471414.0	338427.2	471412.6	*	70.	269. AG	17.	100.0	.0	24.0	.76 3.5
11. WBDP	64th Ave	* 338142.0	471443.0	338498.0	471451.0	*	356.	89. AG	2400.	3.7	.0	44.0	
12. WBDP	64th Ave	* 338498.0	471451.0	338590.0	471461.0	*	93.	84. AG	2400.	3.7	.0	44.0	
13. WB	64th Ave	* 338591.0	471461.0	338706.0	471469.0	*	115.	86. AG	2295.	3.7	.0	44.0	
14. WB	64th Ave	* 338639.0	471464.0	338805.9	471477.7	*	167.	85. AG	38.	100.0	.0	24.0	.88 8.5
15. WB	64th Ave	* 338706.0	471469.0	339066.0	471484.0	*	360.	88. AG	2295.	3.7	.0	44.0	
16. SBR	410&SB	* 339068.0	471452.0	339082.0	472350.0	*	898.	1. AG	395.	3.0	.0	32.0	
17. SBR	410&SB	* 339068.0	471501.0	339083.8	472568.1	*	1067.	1. AG	66.	100.0	.0	12.0	1.25 54.2
18. SBL	410&SB	* 339094.0	471448.0	339094.0	472358.0	*	910.	360. AG	225.	3.0	.0	44.0	
19. SBL	410&SB	* 339094.0	471500.0	339094.0	471551.5	*	51.	360. AG	132.	100.0	.0	24.0	.33 2.6
20. SBDP	410&SB	* 339141.0	470530.0	339087.0	471449.0	*	921.	357. AG	735.	3.0	.0	32.0	
21. EB	295SB	* 339055.0	471434.0	338680.0	471425.0	*	375.	269. AG	2400.	3.7	.0	56.0	
22. EB	295SB	* 339025.0	471433.0	337240.4	471388.8	*	1785.	269. AG	148.	100.0	.0	36.0	1.21 90.7
23. EB	295SB	* 338680.0	471425.0	338592.0	471416.0	*	88.	264. AG	2400.	3.7	.0	56.0	
24. WBL	295SB	* 339071.0	471466.0	339146.0	471457.0	*	76.	97. AG	345.	3.7	.0	32.0	
25. WBL	295SB	* 339146.0	471457.0	339571.0	471464.0	*	425.	89. AG	345.	3.7	.0	32.0	
26. WBL	295SB	* 339155.0	471458.0	339485.6	471460.8	*	331.	90. AG	67.	100.0	.0	12.0	1.02 16.8
27. WBT	295SB	* 339084.0	471480.0	339143.0	471474.0	*	59.	96. AG	1895.	3.7	.0	44.0	
28. WBT	295SB	* 339143.0	471474.0	339575.0	471481.0	*	432.	89. AG	1895.	3.7	.0	44.0	
29. WBT	295SB	* 339164.0	471475.0	339288.3	471476.7	*	124.	89. AG	38.	100.0	.0	24.0	.72 6.3
30. EBL	295NB	* 339581.0	471452.0	339143.0	471446.0	*	438.	269. AG	200.	3.7	.0	32.0	
31. EBL	295NB	* 339502.0	471451.0	339371.3	471448.8	*	131.	269. AG	72.	100.0	.0	12.0	.89 6.6
32. EBL	295NB	* 339143.0	471446.0	339056.0	471456.0	*	88.	277. AG	200.	3.7	.0	32.0	
33. EBT	295NB	* 339578.0	471436.0	339180.0	471430.0	*	398.	269. AG	2045.	3.7	.0	44.0	
34. EBT	295NB	* 339500.0	471435.0	339388.3	471433.1	*	112.	269. AG	31.	100.0	.0	24.0	.74 5.7
35. EBT	295NB	* 339180.0	471430.0	339062.0	471437.0	*	118.	273. AG	2045.	3.7	.0	44.0	
36. WBALL	295NB	* 339581.0	471480.0	339720.0	471488.0	*	139.	87. AG	2020.	3.7	.0	68.0	
37. WBALL	295NB	* 339627.0	471482.0	339801.9	471492.0	*	175.	87. AG	197.	100.0	.0	48.0	.78 8.9
38. WBALL	295NB	* 339720.0	471488.0	339889.0	471538.0	*	176.	74. AG	2020.	3.7	.0	68.0	
39. WBALL	295NB	* 339888.0	471539.0	340002.0	471605.0	*	132.	60. AG	2020.	3.7	.0	56.0	
40. WBALL	295NB	* 340002.0	471605.0	340116.0	471683.0	*	138.	56. AG	2020.	3.7	.0	56.0	
41. EBDP	295NB	* 340120.0	471663.0	340029.0	471583.0	*	121.	229. AG	2320.	3.7	.0	44.0	
42. EBDP	295NB	* 340029.0	471583.0	339905.0	471508.0	*	145.	239. AG	2320.	3.7	.0	44.0	
43. EBDP	295NB	* 339905.0	471508.0	339789.0	471462.0	*	125.	248. AG	2320.	3.7	.0	44.0	
44. EBDP	295NB	* 339789.0	471462.0	339706.0	471443.0	*	85.	257. AG	2320.	3.7	.0	44.0	

JOB: S14 MD410&NB 295 HLRT30 PM  
DATE: 10/24/2007 TIME: 22:34:30.12

RUN: S14 MD410&NB 295 HLRT PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. EBDP	295NB	* 339706.0	471443.0	339581.0	471435.0	*	125.	266. AG	2320.	3.7	.0	44.0	
46. NBALL	410&NB	* 339573.0	471458.0	339493.0	470454.0	*	1007.	185. AG	655.	3.0	.0	56.0	
47. NBALL	410&NB	* 339569.0	471399.0	339559.1	471281.6	*	118.	185. AG	207.	100.0	.0	36.0	.80 6.0
48. NBDP	410&NB	* 339513.0	472452.0	339593.0	471471.0	*	984.	175. AG	370.	3.0	.0	32.0	

JOB: S14 MD410&NB 295 HLRT30 PM  
DATE: 10/24/2007 TIME: 22:34:30.12

RUN: S14 MD410&NB 295 HLRT PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
7. EBL	64th Ave	* 110	96	2.0	100	1770	32.10	1	3
10. EBT	64th Ave	* 110	11	2.0	2320	1770	32.10	1	3
14. WB	64th Ave	* 110	24	2.0	2295	1757	32.10	1	3
17. SBR	410&SB	* 110	84	2.0	395	1583	32.10	1	3
19. SBL	410&SB	* 110	84	2.0	225	1717	32.10	1	3
22. EB	295SB	* 110	63	2.0	2400	1695	32.10	1	3
26. WBL	295SB	* 110	85	2.0	345	1770	32.10	1	3
29. WBT	295SB	* 110	24	2.0	1895	1770	32.10	1	3
31. EBL	295NB	* 110	92	2.0	200	1770	32.10	1	3
34. EBT	295NB	* 110	20	2.0	2045	1770	32.10	1	3

37. WBALL	295NB	*	110	63	2.0	2020	1667	32.10	1	3
47. NBALL	410&NB	*	110	88	2.0	655	1672	32.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	339620.0	471349.0	5.0	*
2. SE 82S	*	339611.0	471314.0	5.0	*
3. SE 164S	*	339600.0	471245.0	5.0	*
4. SE 256S	*	339580.0	471166.0	5.0	*
5. SE MIDS	*	339561.0	470937.0	5.0	*
6. SE MIDS	*	339540.0	470686.0	5.0	*
7. SE 82W	*	339674.0	471338.0	5.0	*
8. SE 164W	*	339777.0	471350.0	5.0	*
9. SE 256W	*	339850.0	471393.0	5.0	*
10. SE MIDW	*	340028.0	471495.0	5.0	*
11. SE MIDW	*	340197.0	471675.0	5.0	*
12. NE COR	*	339608.0	471520.0	5.0	*
13. NE 82N	*	339602.0	471584.0	5.0	*
14. NE 164N	*	339597.0	471668.0	5.0	*
15. NE 256N	*	339589.0	471748.0	5.0	*
16. NE MIDN	*	339569.0	471982.0	5.0	*
17. NE MIDN	*	339549.0	472234.0	5.0	*
18. NE 82E	*	339676.0	471522.0	5.0	*
19. NE 164E	*	339759.0	471538.0	5.0	*
20. NE 256E	*	339838.0	471568.0	5.0	*
21. NE MIDE	*	339952.0	471626.0	5.0	*
22. NE MIDE	*	340141.0	471787.0	5.0	*

1

JOB: S14 MD410&NB 295 HLRT30 PM

RUN: S14 MD410&NB 295 HLRT PM

PAGE 4

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.4	.4	.4	.4	.2	.4	.4	.2	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0
5.	*	.3	.3	.3	.3	.2	.2	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.4	.3	.3	.2	.1	.1	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.4	.3	.2	.2	.0	.1	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.4	.4	.2	.2	.0	.0	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.4	.4	.1	.1	.0	.0	.4	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.4	.3	.1	.1	.0	.0	.4	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.5	.3	.1	.1	.0	.0	.3	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.5	.2	.1	.0	.0	.0	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.5	.2	.1	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.5	.2	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.3	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
65.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.4	.2
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.4	.2
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.5	.4	.3
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.6	.4	.4
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	.0	.0	.0	.0	.7	.5	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.8	.4	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	.9	.3	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	.0	1.0	.5	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.0	.0	.0	.0	1.0	.4	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.3	.0	.0	.0	.0	1.0	.4	.3
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.0	.0	.0	.9	.5	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.0	.0	.0	1.0	.5	.5
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.0	1.0	.6	.4
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.1	.1	.0	.0	1.0	.6	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.0	.9	.6	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.0	.8	.7	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.1	.0	.0	.9	.8	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.1	.0	.0	.9	.8	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.1	.0	.0	.8	.7	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.0	.8	.7	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.3	.1	.2	.3	.8	.8	.3
180.	*	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.4	.5	.2	.3	.2	.3	.8	.8	.3
185.	*	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.7	.4	.2	.3	.3	.3	.8	.8	.3
190.	*	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0	.7	.3	.4	.3	.3	.4	.9	.8	.4
195.	*	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.7	.3	.4	.4	.4	.5	1.0	.8	.4
200.	*	.3	.2	.2	.2	.2	.1	.1	.0	.0	.0	1.0	.6	.6	.4	.4	.4	1.0	.9	.4
205.	*	.5	.4	.3	.3	.2	.1	.1	.1	.0	.0	.7	.6	.5	.4	.5	.4	1.1	1.0	.7

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JOB: S14 MD410&NB 295 HLRT30 PM

RUN: S14 MD410&NB 295 HLRT PM

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WIND \* CONCENTRATION



ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.5	.4	.4	.4	.3	.2	.2	.1	.1	.0	.0	.7	.5	.5	.3	.4	.4	1.1	1.2	.7
215.	.6	.5	.4	.4	.3	.2	.2	.1	.1	.0	.0	.7	.5	.5	.4	.3	.3	1.1	1.3	.6
220.	.6	.5	.4	.4	.4	.2	.2	.2	.1	.1	.0	.6	.5	.5	.4	.3	.3	1.1	1.2	.8
225.	.7	.5	.4	.4	.4	.2	.2	.2	.2	.1	.2	.6	.5	.5	.3	.3	.3	1.1	1.1	.9
230.	.6	.6	.4	.4	.4	.3	.3	.2	.2	.1	.2	.6	.5	.5	.3	.3	.3	1.1	1.1	1.0
235.	.6	.6	.4	.4	.4	.3	.3	.2	.2	.2	.3	.7	.5	.3	.3	.4	.4	.9	1.1	1.0
240.	.7	.6	.4	.4	.4	.4	.3	.2	.2	.2	.4	.7	.5	.4	.3	.4	.3	.9	1.1	.9
245.	.7	.6	.4	.4	.4	.4	.3	.3	.3	.1	.5	.8	.4	.3	.4	.4	.3	.9	1.0	.6
250.	.7	.6	.4	.4	.4	.4	.4	.3	.3	.2	.4	.8	.6	.4	.4	.4	.3	.7	.8	.6
255.	.6	.6	.4	.4	.4	.4	.4	.3	.3	.3	.2	.8	.5	.4	.4	.3	.3	.8	.8	.8
260.	.6	.6	.3	.4	.4	.4	.4	.3	.2	.4	.3	.9	.5	.4	.4	.3	.3	.7	.8	.5
265.	.7	.8	.4	.4	.4	.4	.5	.4	.3	.5	.2	.8	.4	.4	.4	.3	.3	.7	.7	.3
270.	.7	.8	.5	.4	.4	.4	.5	.3	.4	.6	.2	.5	.4	.3	.3	.3	.3	.5	.6	.3
275.	.7	.8	.5	.5	.4	.4	.5	.4	.4	.5	.2	.5	.2	.3	.3	.3	.3	.5	.3	.2
280.	.8	.7	.5	.5	.4	.4	.5	.4	.7	.4	.1	.4	.2	.3	.3	.3	.3	.3	.2	.1
285.	.9	.8	.4	.5	.5	.4	.7	.5	.7	.4	.1	.3	.3	.3	.3	.3	.3	.2	.2	.2
290.	.8	.7	.4	.5	.5	.4	.6	.6	.7	.3	.1	.2	.3	.3	.3	.3	.3	.2	.2	.2
295.	.9	.9	.4	.5	.5	.4	.6	.5	.6	.4	.1	.2	.3	.3	.3	.3	.3	.3	.2	.2
300.	.8	.9	.6	.4	.5	.5	.5	.4	.5	.4	.1	.2	.3	.3	.3	.3	.3	.3	.2	.2
305.	.8	.9	.7	.4	.5	.5	.5	.5	.8	.4	.0	.3	.2	.3	.3	.3	.2	.2	.2	.2
310.	.7	.9	.8	.4	.4	.4	.5	.5	.7	.3	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
315.	.6	1.0	.9	.4	.4	.4	.5	.5	.7	.3	.0	.3	.3	.3	.3	.3	.2	.2	.2	.2
320.	.6	.9	.9	.5	.4	.4	.4	.7	.7	.3	.0	.3	.4	.3	.3	.4	.2	.2	.2	.1
325.	.6	.9	.9	.5	.4	.4	.4	.7	.5	.2	.0	.4	.4	.4	.4	.4	.3	.2	.2	.1
330.	.7	.8	.9	.6	.4	.4	.5	.5	.5	.2	.0	.4	.4	.4	.4	.4	.3	.2	.2	.1
335.	.7	.8	.9	.6	.4	.5	.5	.5	.4	.2	.0	.4	.4	.3	.3	.3	.2	.1	.1	.1
340.	.4	.6	.9	.5	.4	.4	.4	.5	.3	.2	.0	.3	.3	.3	.3	.3	.2	.1	.1	.0
345.	.3	.3	.7	.6	.4	.4	.4	.5	.3	.2	.0	.3	.3	.3	.2	.2	.1	.1	.0	.0
350.	.3	.3	.6	.5	.4	.4	.5	.4	.2	.2	.0	.2	.2	.2	.2	.2	.0	.1	.0	.0
355.	.4	.4	.3	.5	.3	.2	.5	.4	.2	.3	.0	.2	.2	.1	.2	.1	.0	.0	.0	.0
360.	.4	.4	.4	.4	.4	.2	.4	.4	.2	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
MAX	.9	1.0	.9	.6	.5	.5	.7	.7	.8	.6	.5	1.0	.6	.6	.4	.5	.5	1.1	1.3	1.0
DEGR.	285	315	315	330	285	300	285	320	305	270	245	200	200	200	195	205	195	205	215	230

1

JOB: S14 MD410&NB 295 HLRT30 PM

RUN: S14 MD410&NB 295 HLRT PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22

0.	.0	.0
5.	.0	.0
10.	.0	.0
15.	.0	.0
20.	.0	.0
25.	.0	.0
30.	.0	.0
35.	.0	.0
40.	.0	.0
45.	.0	.0
50.	.0	.0
55.	.1	.0
60.	.1	.0
65.	.1	.0
70.	.2	.0
75.	.3	.0
80.	.3	.0
85.	.3	.0
90.	.4	.0
95.	.3	.0
100.	.3	.0
105.	.3	.0
110.	.3	.0
115.	.4	.0
120.	.4	.0
125.	.3	.0
130.	.3	.0
135.	.3	.0
140.	.3	.0
145.	.3	.0
150.	.3	.0
155.	.3	.0
160.	.3	.0
165.	.3	.0
170.	.3	.0
175.	.3	.0
180.	.3	.0
185.	.3	.1
190.	.3	.2

```

195. *   .3   .2
200. *   .4   .2
205. *   .4   .2

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1

JOB: S14 MD410&NB 295 HLRT30 PM

RUN: S14 MD410&NB 295 HLRT PM

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WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22

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-----*-----
210. *   .6   .2
215. *   .5   .2
220. *   .5   .2
225. *   .6   .2
230. *   .6   .1
235. *   .5   .2
240. *   .3   .1
245. *   .3   .1
250. *   .3   .0
255. *   .3   .1
260. *   .2   .1
265. *   .2   .0
270. *   .2   .0
275. *   .1   .1
280. *   .2   .1
285. *   .2   .1
290. *   .2   .1
295. *   .2   .1
300. *   .2   .1
305. *   .2   .0
310. *   .1   .0
315. *   .1   .0
320. *   .1   .0
325. *   .0   .0
330. *   .0   .0
335. *   .0   .0
340. *   .0   .0
345. *   .0   .0
350. *   .0   .0
355. *   .0   .0
360. *   .0   .0
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MAX *   .6   .2
DEGR. * 210 190

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THE HIGHEST CONCENTRATION IS 1.30 PPM AT 215 DEGREES FROM REC19.
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 205 DEGREES FROM REC18.
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 200 DEGREES FROM REC12.

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Site 15

MD 410 at MD 450

2015

S15 MD450&MD410				60.0321.0.0000.000360.30480000	1	1
SE COR	1190.	858.	5.0			
SE 82E	1218.	900.	5.0			
SE 164E	1282.	952.	5.0			
SE 256E	1361.	998.	5.0			
SE MIDE	1519.	1066.	5.0			
SE 82S	1189.	806.	5.0			
SE 164S	1243.	737.	5.0			
SE 256S	1302.	659.	5.0			
SE MIDS	1392.	547.	5.0			
NE COR	1066.	988.	5.0			
NE 82N	1004.	1024.	5.0			
NE 164N	952.	1086.	5.0			
NE 256N	898.	1154.	5.0			
NE MIDN	757.	1338.	5.0			
NE 82E	1115.	1003.	5.0			
NE 164E	1181.	1050.	5.0			
NE 256E	1255.	1089.	5.0			
NE MIDE	1519.	1186.	5.0			
SW COR	1069.	692.	5.0			
SW 82S	1120.	667.	5.0			
SW 164S	1172.	602.	5.0			
SW 256S	1225.	536.	5.0			
SW MIDS	1293.	449.	5.0			
SW 82W	1013.	662.	5.0			
SW 164W	976.	589.	5.0			
SW 256W	926.	497.	5.0			
SW MIDW	852.	357.	5.0			
NW COR	955.	836.	5.0			
NW 82N	931.	911.	5.0			
NW 164N	879.	975.	5.0			
NW 256N	818.	1052.	5.0			
NW MIDN	635.	1305.	5.0			
NW 82W	950.	775.	5.0			
NW 164W	903.	691.	5.0			
NW 256W	856.	596.	5.0			
NW MIDW	761.	411.	5.0			
MD450&MD410		52	1	0		
1						
EBL MD450 AG	1069.	845.	958.	670.	225 5.8	0 32 32
2						
EBL MD450 AG	1017.	764.	961.	675.	0. 12	1
150 128	2.0	225	65.9	1770	1 3	
1						
EBL MD450 AG	958.	670.	859.	473.	225 5.8	0 32 32
1						
EBT MD450 AG	1095.	823.	995.	696.	535 5.8	0 56 32
2						
EBT MD450 AG	1042.	755.	997.	698.	0. 36	3
150 95	2.0	535	65.9	1695	1 3	
1						
EBT&R MD450 AG	995.	696.	874.	467.	900 5.8	0 56 32
1						
EBR MD450 AG	1133.	691.	1074.	714.	365 5.8	0 32 32
1						
EBR MD450 AG	1073.	714.	995.	693.	365 5.8	0 32 32
1						
EBALL MD450 AG	874.	465.	608.	-42.	1125 5.8	0 56 32
1						
EBDP MD450 AG	2028.	1122.	1847.	1144.	1030 5.8	0 56 32
1						
EBDP MD450 AG	1847.	1144.	1674.	1135.	1030 5.8	0 56 32
1						
EBDP MD450 AG	1674.	1135.	1483.	1091.	1030 5.8	0 56 32
1						
EBDP MD450 AG	1483.	1091.	1261.	980.	1030 5.8	0 56 32
1						
EBDP MD450 AG	1261.	980.	1089.	833.	1030 5.8	0 56 32
1						
WBLT MD450 AG	1081.	856.	1199.	972.	375 5.8	0 44 30
2						
WBL MD450 AG	1124.	898.	1194.	968.	0. 24	2
150 128	2.0	375	65.9	1717	1 3	
1						
WBLT MD450 AG	1199.	972.	1305.	1046.	375 5.8	0 44 30
1						
WBLT MD450 AG	1305.	1046.	1446.	1109.	375 5.8	0 44 30
1						
WBT MD450 AG	1059.	870.	1183.	994.	1670 5.8	0 56 30
2						
WBT MD450 AG	1103.	914.	1176.	987.	0. 36	3
150 95	2.0	1670	65.9	1695	1 3	
1						
WBT MD450 AG	1183.	994.	1322.	1084.	1670 5.8	0 56 30
1						
WBT MD450 AG	1322.	1084.	1443.	1129.	1770 5.8	0 56 30
1						
WBR MD450 AG	991.	1004.	1055.	961.	100 5.8	0 32 30
1						
WBR MD450 AG	1055.	961.	1126.	978.	100 5.8	0 32 30
1						
WBR MD450 AG	1126.	978.	1222.	1050.	100 5.8	0 32 30
1						
WBR MD450 AG	1222.	1050.	1321.	1085.	100 5.8	0 32 30
1						

WBALL	MD450	AG	1445.	1129.	1629.	1179.	2145	5.8	0	56	30
1											
WBALL	MD450	AG	1629.	1179.	1806.	1194.	2145	5.8	0	56	30
1											
WBALL	MD450	AG	1806.	1194.	2009.	1175.	2145	5.8	0	56	30
1											
WBDP	MD450	AG	562.	-19.	962.	726.	2485	5.8	0	56	30
1											
WBDP	MD450	AG	962.	726.	1059.	871.	2485	5.8	0	56	30
1											
NBL	MD410	AG	1081.	839.	1454.	370.	615	7.0	0	32	50
2											
NBL	MD410	AG	1124.	785.	1226.	657.	0.	12	1		
150	101		2.0	615	65.9	1770	1	3			
1											
NBT	MD410	AG	1100.	858.	1470.	388.	850	7.0	0	44	50
2											
NBT	MD410	AG	1143.	803.	1297.	608.	0.	24	2		
150	88		2.0	850	65.9	1770	1	3			
1											
NBR	MD410	AG	1173.	903.	1162.	808.	350	7.0	0	32	50
1											
NBR	MD410	AG	1162.	808.	1264.	665.	350	7.0	0	32	50
2											
NBR	MD410	AG	1164.	805.	1223.	722.	0.	12	1		
150	88		2.0	350	65.9	1783	1	3			
1											
NBR	MD410	AG	1264.	665.	1480.	395.	350	7.0	0	32	50
1											
NBALL	MD410	AG	1471.	387.	1707.	72.	1815	7.0	0	56	50
1											
NBDP	MD410	AG	465.	1643.	672.	1384.	1175	7.0	0	44	50
1											
NBDP	MD410	AG	673.	1385.	1097.	857.	1175	7.0	0	56	50
1											
SBL	MD410	AG	1068.	841.	757.	1226.	145	7.0	0	44	50
2											
SBL	MD410	AG	1011.	911.	896.	1054.	0.	24	2		
150	132		2.0	145	65.9	1583	1	3			
1											
SBT	MD410	AG	1058.	809.	737.	1210.	595	7.0	0	44	50
2											
SBT	MD410	AG	993.	890.	861.	1055.	0.	24	2		
150	120		2.0	592	65.9	1770	1	3			
1											
SBR	MD410	AG	970.	742.	978.	871.	200	7.0	0	32	50
1											
SBR	MD410	AG	978.	872.	730.	1202.	200	7.0	0	32	50
2											
SBR	MD410	AG	967.	887.	898.	978.	0.	12	1		
150	120		2.0	200	65.9	1583	1	3			
1											
SBALL	MD410	AG	743.	1217.	568.	1428.	940	7.0	0	44	50
1											
SBALL	MD410	AG	569.	1426.	423.	1608.	940	7.0	0	56	50
1											
SBDP	MD410	AG	1658.	38.	1061.	808.	1335	7.0	0	56	50
1.0	04	1000	0Y	5	0	72					

JOB: S15 MD450&amp;MD410

RUN: MD450&amp;MD410

DATE: 09/21/2007 TIME: 23:40:34.53

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL MD450	*	1069.0	845.0	958.0	670.0	*	207.	212. AG	225.	5.8	.0	32.0	
2. EBL MD450	*	1017.0	764.0	825.0	458.9	*	361.	212. AG	151.	100.0	.0	12.0	1.06 18.3
3. EBL MD450	*	958.0	670.0	859.0	473.0	*	220.	207. AG	225.	5.8	.0	32.0	
4. EBT MD450	*	1095.0	823.0	995.0	696.0	*	162.	218. AG	535.	5.8	.0	56.0	
5. EBT MD450	*	1042.0	755.0	984.7	682.4	*	92.	218. AG	336.	100.0	.0	36.0	.31 4.7
6. EBT&R MD450	*	995.0	696.0	874.0	467.0	*	259.	208. AG	900.	5.8	.0	56.0	
7. EBR MD450	*	1133.0	691.0	1074.0	714.0	*	63.	291. AG	365.	5.8	.0	32.0	
8. EBR MD450	*	1073.0	714.0	995.0	693.0	*	81.	255. AG	365.	5.8	.0	32.0	
9. EBALL MD450	*	874.0	465.0	608.0	-42.0	*	573.	208. AG	1125.	5.8	.0	56.0	
10. EBDP MD450	*	2028.0	1122.0	1847.0	1144.0	*	182.	277. AG	1030.	5.8	.0	56.0	
11. EBDP MD450	*	1847.0	1144.0	1674.0	1135.0	*	173.	267. AG	1030.	5.8	.0	56.0	
12. EBDP MD450	*	1674.0	1135.0	1483.0	1091.0	*	196.	257. AG	1030.	5.8	.0	56.0	
13. EBDP MD450	*	1483.0	1091.0	1261.0	980.0	*	248.	243. AG	1030.	5.8	.0	56.0	
14. EBDP MD450	*	1261.0	980.0	1089.0	833.0	*	226.	229. AG	1030.	5.8	.0	56.0	
15. WBLT MD450	*	1081.0	856.0	1199.0	972.0	*	165.	45. AG	375.	5.8	.0	44.0	
16. WBL MD450	*	1124.0	898.0	1240.6	1014.6	*	165.	45. AG	302.	100.0	.0	24.0	.91 8.4
17. WBLT MD450	*	1199.0	972.0	1305.0	1046.0	*	129.	55. AG	375.	5.8	.0	44.0	
18. WBLT MD450	*	1305.0	1046.0	1446.0	1109.0	*	154.	66. AG	375.	5.8	.0	44.0	
19. WBT MD450	*	1059.0	870.0	1183.0	994.0	*	175.	45. AG	1670.	5.8	.0	56.0	
20. WBT MD450	*	1103.0	914.0	1363.8	1174.8	*	369.	45. AG	336.	100.0	.0	36.0	.97 18.7
21. WBT MD450	*	1183.0	994.0	1322.0	1084.0	*	166.	57. AG	1670.	5.8	.0	56.0	
22. WBT MD450	*	1322.0	1084.0	1443.0	1129.0	*	129.	70. AG	1770.	5.8	.0	56.0	
23. WBR MD450	*	991.0	1004.0	1055.0	961.0	*	77.	124. AG	100.	5.8	.0	32.0	
24. WBR MD450	*	1055.0	961.0	1126.0	978.0	*	73.	77. AG	100.	5.8	.0	32.0	
25. WBR MD450	*	1126.0	978.0	1222.0	1050.0	*	120.	53. AG	100.	5.8	.0	32.0	
26. WBR MD450	*	1222.0	1050.0	1321.0	1085.0	*	105.	71. AG	100.	5.8	.0	32.0	
27. WBALL MD450	*	1445.0	1129.0	1629.0	1179.0	*	191.	75. AG	2145.	5.8	.0	56.0	
28. WBALL MD450	*	1629.0	1179.0	1806.0	1194.0	*	178.	85. AG	2145.	5.8	.0	56.0	
29. WBALL MD450	*	1806.0	1194.0	2009.0	1175.0	*	204.	95. AG	2145.	5.8	.0	56.0	
30. WBDP MD450	*	562.0	-19.0	962.0	726.0	*	846.	28. AG	2485.	5.8	.0	56.0	
31. WBDP MD450	*	962.0	726.0	1059.0	871.0	*	174.	34. AG	2485.	5.8	.0	56.0	
32. NBL MD410	*	1081.0	839.0	1454.0	370.0	*	599.	142. AG	615.	7.0	.0	32.0	
33. NBL MD410	*	1124.0	785.0	1931.5	-228.3	*	1296.	141. AG	119.	100.0	.0	12.0	1.16 65.8
34. NBT MD410	*	1100.0	858.0	1470.0	388.0	*	598.	142. AG	850.	7.0	.0	44.0	
35. NBT MD410	*	1143.0	803.0	1269.7	642.5	*	205.	142. AG	207.	100.0	.0	24.0	.62 10.4
36. NBR MD410	*	1173.0	903.0	1162.0	808.0	*	96.	187. AG	350.	7.0	.0	32.0	
37. NBR MD410	*	1162.0	808.0	1264.0	665.0	*	176.	145. AG	350.	7.0	.0	32.0	
38. NBR MD410	*	1164.0	805.0	1261.6	667.7	*	168.	145. AG	104.	100.0	.0	12.0	.51 8.6
39. NBR MD410	*	1264.0	665.0	1480.0	395.0	*	346.	141. AG	350.	7.0	.0	32.0	
40. NBALL MD410	*	1471.0	387.0	1707.0	72.0	*	394.	143. AG	1815.	7.0	.0	56.0	
41. NBDP MD410	*	465.0	1643.0	672.0	1384.0	*	332.	141. AG	1175.	7.0	.0	44.0	
42. NBDP MD410	*	673.0	1385.0	1097.0	857.0	*	677.	141. AG	1175.	7.0	.0	56.0	
43. SBL MD410	*	1068.0	841.0	757.0	1226.0	*	495.	321. AG	145.	7.0	.0	44.0	
44. SBL MD410	*	1011.0	911.0	978.4	951.5	*	52.	321. AG	311.	100.0	.0	24.0	.49 2.6

JOB: S15 MD450&amp;MD410

RUN: MD450&amp;MD410

DATE: 09/21/2007 TIME: 23:40:34.53

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. SBT MD410	*	1058.0	809.0	737.0	1210.0	*	514.	321. AG	595.	7.0	.0	44.0	
46. SBT MD410	*	993.0	890.0	831.5	1091.9	*	259.	321. AG	283.	100.0	.0	24.0	.97 13.1
47. SBR MD410	*	970.0	742.0	978.0	871.0	*	129.	4. AG	200.	7.0	.0	32.0	
48. SBR MD410	*	978.0	872.0	730.0	1202.0	*	413.	323. AG	200.	7.0	.0	32.0	
49. SBR MD410	*	967.0	887.0	885.1	995.0	*	136.	323. AG	141.	100.0	.0	12.0	.73 6.9
50. SBALL MD410	*	743.0	1217.0	568.0	1428.0	*	274.	320. AG	940.	7.0	.0	44.0	
51. SBALL MD410	*	569.0	1426.0	423.0	1608.0	*	233.	321. AG	940.	7.0	.0	56.0	
52. SBDP MD410	*	1658.0	38.0	1061.0	808.0	*	974.	322. AG	1335.	7.0	.0	56.0	

JOB: S15 MD450&amp;MD410

RUN: MD450&amp;MD410

DATE: 09/21/2007 TIME: 23:40:34.53

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL MD450	*	150	128	2.0	225	1770	65.90	1	3
5. EBT MD450	*	150	95	2.0	535	1695	65.90	1	3
16. WBL MD450	*	150	128	2.0	375	1717	65.90	1	3
20. WBT MD450	*	150	95	2.0	1670	1695	65.90	1	3
33. NBL MD410	*	150	101	2.0	615	1770	65.90	1	3
35. NBT MD410	*	150	88	2.0	850	1770	65.90	1	3

38. NBR	MD410	*	150	88	2.0	350	1783	65.90	1	3
44. SBL	MD410	*	150	132	2.0	145	1583	65.90	1	3
46. SBT	MD410	*	150	120	2.0	592	1770	65.90	1	3
49. SBR	MD410	*	150	120	2.0	200	1583	65.90	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1190.0	858.0	5.0	*
2. SE 82E	*	1218.0	900.0	5.0	*
3. SE 164E	*	1282.0	952.0	5.0	*
4. SE 256E	*	1361.0	998.0	5.0	*
5. SE MIDE	*	1519.0	1066.0	5.0	*
6. SE 82S	*	1189.0	806.0	5.0	*
7. SE 164S	*	1243.0	737.0	5.0	*
8. SE 256S	*	1302.0	659.0	5.0	*
9. SE MIDS	*	1392.0	547.0	5.0	*
10. NE COR	*	1066.0	988.0	5.0	*
11. NE 82N	*	1004.0	1024.0	5.0	*
12. NE 164N	*	952.0	1086.0	5.0	*
13. NE 256N	*	898.0	1154.0	5.0	*
14. NE MIDN	*	757.0	1338.0	5.0	*
15. NE 82E	*	1115.0	1003.0	5.0	*
16. NE 164E	*	1181.0	1050.0	5.0	*
17. NE 256E	*	1255.0	1089.0	5.0	*
18. NE MIDE	*	1519.0	1186.0	5.0	*
19. SW COR	*	1069.0	692.0	5.0	*
20. SW 82S	*	1120.0	667.0	5.0	*
21. SW 164S	*	1172.0	602.0	5.0	*
22. SW 256S	*	1225.0	536.0	5.0	*
23. SW MIDS	*	1293.0	449.0	5.0	*
24. SW 82W	*	1013.0	662.0	5.0	*
25. SW 164W	*	976.0	589.0	5.0	*
26. SW 256W	*	926.0	497.0	5.0	*
27. SW MIDW	*	852.0	357.0	5.0	*
28. NW COR	*	955.0	836.0	5.0	*
29. NW 82N	*	931.0	911.0	5.0	*
30. NW 164N	*	879.0	975.0	5.0	*
31. NW 256N	*	818.0	1052.0	5.0	*
32. NW MIDN	*	635.0	1305.0	5.0	*
33. NW 82W	*	950.0	775.0	5.0	*
34. NW 164W	*	903.0	691.0	5.0	*
35. NW 256W	*	856.0	596.0	5.0	*

1

JOB: S15 MD450&MD410  
DATE: 09/21/2007 TIME: 23:40:34.53

RUN: MD450&MD410

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# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
36. NW MIDW	*	761.0	411.0	5.0	*

1

JOB: S15 MD450&MD410

RUN: MD450&MD410

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.3	1.2	.7	.5	.4	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.2	.0	.8	1.3
5. *	1.3	1.1	.7	.6	.4	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.9	1.3
10. *	1.1	1.1	.7	.5	.4	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.9	1.2
15. *	1.1	1.0	.7	.4	.4	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.8	1.3
20. *	.8	.9	.7	.3	.4	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	1.0	1.3
25. *	.8	.9	.6	.4	.4	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.1	1.2
30. *	.7	.9	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	.0	1.1	1.0
35. *	.6	.6	.4	.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.9	.0	1.1	.9
40. *	.3	.4	.5	.4	.5	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2	.2	1.2	.0	.9	.9
45. *	.3	.4	.4	.3	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	.4	1.4	.0	.9	.9
50. *	.1	.3	.4	.3	.4	.0	.0	.0	.0	.2	.0	.0	.0	.0	.5	.5	1.6	.0	.9	.9
55. *	.1	.3	.3	.4	.4	.0	.0	.0	.0	.4	.1	.0	.0	.0	.6	.6	1.7	.0	.9	.9
60. *	.0	.1	.3	.5	.4	.0	.0	.0	.0	.5	.1	.0	.0	.0	.7	.9	1.9	.1	.9	.9
65. *	.0	.1	.1	.5	.3	.0	.0	.0	.0	.7	.2	.1	.0	.0	1.1	1.1	2.0	.2	.9	.9
70. *	.0	.0	.1	.2	.5	.0	.0	.0	.0	.7	.3	.1	.0	.0	1.1	1.2	2.0	.2	.9	.9
75. *	.0	.0	.1	.1	.5	.0	.0	.0	.0	.9	.4	.1	.0	.0	1.2	1.3	2.0	.3	.9	.8
80. *	.0	.0	.0	.1	.2	.0	.0	.0	.0	1.1	.5	.2	.1	.0	1.4	1.4	2.0	.4	.9	.9
85. *	.0	.0	.0	.0	.1	.0	.0	.0	.0	1.1	.5	.2	.1	.0	1.3	1.3	1.9	.6	.9	.9
90. *	.0	.0	.0	.0	.1	.0	.0	.0	.0	1.1	.6	.2	.1	.0	1.4	1.3	2.0	.6	.9	.8
95. *	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.5	.4	.2	.0	1.3	1.2	1.7	.6	.8	.8

100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.7	.5	.2	.0	1.3	1.3	1.7	.7	.6	.7
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.6	.5	.2	.1	1.5	1.3	1.6	.7	.6	.8
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.6	.3	.3	.1	1.5	1.3	1.6	.6	.6	.8
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.6	.3	.3	.1	1.4	1.3	1.6	.6	.6	.7
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.7	.5	.4	.1	1.4	1.3	1.5	.5	.5	.8
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.8	.5	.4	.2	1.4	1.4	1.5	.5	.4	.9
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	.8	.5	.4	.3	1.4	1.3	1.5	.5	.4	.9
135.	*	.0	.0	.0	.0	.0	.4	.2	.3	.2	1.2	1.0	.8	.5	.4	1.4	1.5	1.6	.5	.4	.5
140.	*	.1	.0	.0	.0	.0	.6	.5	.5	.3	1.3	1.0	.9	.8	.4	1.5	1.5	1.6	.4	.3	.5
145.	*	.4	.1	.0	.0	.0	.9	.6	.6	.6	1.3	.9	1.1	.8	.7	1.7	1.5	1.6	.4	.2	.3
150.	*	.5	.2	.0	.0	.0	1.2	1.0	.8	.7	1.2	1.0	1.1	.9	.5	1.8	1.6	1.6	.4	.1	.2
155.	*	.6	.3	.1	.0	.0	1.3	1.1	.8	.6	1.2	1.0	1.0	1.0	.6	1.8	1.7	1.6	.5	.0	.1
160.	*	.7	.4	.2	.1	.0	1.5	1.1	.9	.7	1.2	.9	.9	1.2	.7	1.6	1.9	1.7	.5	.0	.1
165.	*	.8	.4	.2	.1	.0	1.6	1.2	.8	.9	1.0	.7	1.0	1.2	.5	1.6	2.1	1.8	.5	.0	.0
170.	*	.8	.5	.2	.2	.0	1.6	1.4	.8	.9	.8	.9	1.0	1.1	.6	1.6	2.1	2.0	.5	.0	.0
175.	*	.8	.6	.4	.2	.0	1.6	1.4	.8	.8	.7	1.0	1.3	1.1	.6	1.5	2.1	2.2	.5	.0	.0
180.	*	.8	.6	.4	.2	.0	1.6	1.4	.8	.8	.6	1.1	1.3	1.0	.4	1.3	2.1	2.3	.4	.0	.0
185.	*	.8	.6	.4	.2	.0	1.6	1.5	.8	.8	.9	1.3	1.1	1.0	.5	1.2	2.1	2.4	.4	.0	.0
190.	*	.8	.6	.4	.2	.0	1.6	1.5	.8	.8	.8	1.3	1.1	.9	.4	1.2	1.9	2.6	.4	.0	.0
195.	*	.8	.6	.5	.3	.0	1.4	1.3	.7	.7	.8	1.4	.9	.8	.4	1.2	1.8	2.7	.5	.0	.0
200.	*	.9	.6	.5	.3	.0	1.3	1.2	.7	.7	.9	1.2	.9	.8	.3	.9	1.9	2.9	.6	.0	.0
205.	*	.9	.7	.5	.3	.0	1.2	1.2	.6	.6	1.0	1.0	.8	.6	.3	.8	1.6	3.0	.5	.1	.0

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JOB: S15 MD450&MD410

RUN: MD450&MD410

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WIND	*	CONCENTRATION																				
ANGLE	*	(PPM)																				
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	1.0	.6	.5	.2	.0	1.3	1.2	.6	.6	.8	.9	.7	.6	.3	.7	1.5	3.2	.5	.2	.1	
215.	*	1.0	.7	.3	.3	.1	1.3	1.2	.6	.6	.9	.9	.7	.6	.3	.8	1.3	3.1	.6	.5	.1	
220.	*	1.0	.7	.6	.3	.2	1.5	1.3	.7	.6	.9	.8	.7	.5	.3	.6	1.0	2.8	.8	.5	.2	
225.	*	.9	.8	.6	.3	.2	1.6	1.3	.8	.6	.8	.8	.7	.6	.3	.5	.8	2.3	.9	.4	.2	
230.	*	1.0	.8	.5	.7	.2	1.6	1.3	.8	.6	.9	.8	.7	.5	.3	.3	.6	2.1	.9	.4	.3	
235.	*	1.0	.9	.7	.7	.3	1.7	1.4	.9	.6	.9	.8	.7	.5	.3	.4	.5	1.6	1.0	.5	.4	
240.	*	.8	.7	.8	.6	.3	1.6	1.4	.9	.7	.9	.7	.7	.5	.3	.5	.3	1.2	1.0	.6	.4	
245.	*	.8	.4	.7	.8	.3	1.7	1.5	1.0	.7	.9	.7	.6	.3	.3	.5	.4	.8	1.0	.6	.4	
250.	*	.7	.5	.9	.9	.4	1.7	1.5	1.0	.7	.8	.7	.6	.3	.3	.5	.4	.6	1.0	.7	.4	
255.	*	.6	.6	1.1	1.1	.7	1.6	1.5	1.1	.7	.8	.7	.6	.3	.3	.5	.3	.5	.7	.7	.4	
260.	*	.5	.9	1.2	1.3	.8	1.3	1.5	1.2	.7	.8	.6	.7	.4	.3	.5	.3	.4	.6	.9	.5	
265.	*	.5	1.0	1.3	1.4	.9	1.1	1.7	1.4	.8	.8	.7	.7	.4	.3	.4	.3	.4	.4	1.0	.4	
270.	*	.7	1.2	1.3	1.2	1.0	1.1	1.7	1.5	.8	.7	.7	.6	.4	.3	.3	.2	.4	.2	1.0	.4	
275.	*	.8	1.2	1.3	1.1	.8	.8	1.5	1.6	.8	.6	.7	.6	.4	.4	.3	.2	.4	.1	1.0	.4	
280.	*	.9	1.4	1.3	1.1	.7	.7	1.5	1.5	.9	.6	.7	.5	.4	.4	.3	.2	.2	.1	1.0	.4	
285.	*	1.3	1.5	1.4	1.0	.6	.9	1.5	1.4	.9	.5	.7	.5	.3	.4	.3	.2	.2	.0	1.1	.6	
290.	*	1.2	1.6	1.4	.9	.5	1.0	1.4	1.6	1.0	.5	.6	.5	.4	.4	.2	.1	.2	.0	1.2	.6	
295.	*	1.1	1.4	1.4	.8	.6	1.0	1.4	1.6	.9	.4	.6	.5	.4	.4	.2	.1	.1	.0	1.1	.6	
300.	*	1.2	1.4	1.1	.8	.6	1.0	1.5	1.5	.9	.3	.6	.4	.5	.5	.2	.1	.0	.0	1.1	.5	
305.	*	1.2	1.5	1.1	.7	.5	1.0	1.1	1.6	.9	.3	.5	.4	.5	.4	.1	.0	.0	.0	1.1	.5	
310.	*	1.2	1.5	1.0	.7	.5	1.1	1.0	1.4	1.0	.2	.4	.4	.5	.4	.1	.0	.0	.0	1.1	.6	
315.	*	1.1	1.4	1.0	.7	.5	1.0	1.0	1.2	1.1	.2	.3	.4	.4	.2	.1	.0	.0	.0	1.2	.5	
320.	*	1.2	1.3	1.1	.7	.3	.9	.9	1.0	.8	.1	.3	.3	.3	.2	.0	.0	.0	.0	1.1	.8	
325.	*	1.2	1.3	1.0	.7	.4	.9	.9	.8	.4	.1	.2	.2	.2	.2	.0	.0	.0	.0	1.4	.8	
330.	*	1.1	1.2	1.0	.8	.4	.8	.6	.6	.4	.1	.2	.2	.2	.2	.1	.0	.0	.0	1.4	.9	
335.	*	1.1	1.4	.9	.8	.4	.9	.6	.4	.3	.0	.1	.1	.1	.0	.0	.0	.1	.0	1.2	.9	
340.	*	1.1	1.3	.8	.8	.4	.9	.6	.3	.2	.0	.1	.1	.1	.0	.0	.0	.1	.0	1.3	.7	
345.	*	1.1	1.3	.8	.6	.4	.9	.5	.3	.1	.0	.0	.1	.1	.0	.0	.0	.1	.0	1.1	.9	
350.	*	1.2	1.2	.9	.6	.4	1.0	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	1.1	.9	
355.	*	1.3	1.2	.9	.6	.4	1.0	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.9	1.0	
360.	*	1.3	1.2	.7	.5	.4	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.2	.0	.8	1.3	
MAX	*	1.3	1.6	1.4	1.4	1.0	1.7	1.7	1.6	1.1	1.3	1.4	1.3	1.2	.7	1.8	2.1	3.2	1.0	1.4	1.3	
DEGR.	*	285	290	285	265	270	235	265	290	315	140	195	175	160	145	150	165	210	235	325	0	

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JOB: S15 MD450&MD410

RUN: MD450&MD410

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION																
ANGLE	*	(PPM)																
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
0.	*	1.2	1.2	.8	1.7	1.0	1.0	.8	1.0	1.5	1.1	.4	.3	.7	.4	.2	.1	
5.	*	1.2	1.1	.8	1.6	1.1	.9	.9	1.0	1.5	1.1	.5	.3	.7	.4	.3	.2	
10.	*	1.2	1.0	.7	1.6	1.1	.9	.8	.9	1.5	1.2	.5	.3	.6	.4	.3	.3	
15.	*	1.2	.9	.6	1.8	.8	.9	1.0	.9	1.4	1.1	.6	.3	.6	.5	.3	.4	
20.	*	1.0	.8	.6	1.4	.9	.8	.8	.9	1.3	1.1	.6	.4	.6	.5	.4	.6	
25.	*	1.0	.7	.6	1.3	1.0	.8	.6	.8	1.3	1.0	.6	.4	.7	.6	.6	.8	
30.	*	1.0	.7	.6	1.2	.8	.6	.6	.8	1.3	1.1	.7	.4	1.0	.8	.9	1.0	
35.	*	.9	.7	.6	.9	.8	.5	.2	.7	1.3	1.1	.7	.3	1.1	.9	.9	1.2	
40.	*	.9	.6	.6	.7	.5	.5	.2	.9	1.4	1.1	.7	.3	1.1	.9	1.1	1.2	
45.	*	.9	.6	.6	.5	.4	.3	.1	.9	1.6	1.1	.8	.3	1.2	1.1	1.2	1.2	
50.	*	.9	.6	.6	.5	.3	.2	.0	1.0	1.7	1.2	.8	.3	1.4	1.2	1.3	1.2	
55.	*	.8	.6	.6	.4	.3	.2	.0	1.1	1.8	1.4	.8	.3	1.2	1.1	1.4	.9	



60.	*	.8	.6	.6	.4	.3	.2	.0	1.0	2.0	1.3	.8	.3	.9	1.2	1.2	.9
65.	*	.7	.6	.6	.5	.3	.3	.0	1.0	2.2	1.4	.8	.3	.9	1.3	1.1	.8
70.	*	.7	.6	.6	.5	.3	.2	.0	1.0	2.2	1.4	.9	.3	.9	1.3	1.1	.8
75.	*	.7	.6	.6	.4	.3	.2	.0	.9	2.2	1.5	.9	.3	.7	1.3	1.1	.6
80.	*	.7	.6	.6	.4	.3	.2	.1	.8	2.2	1.6	.9	.3	.8	1.4	1.1	.6
85.	*	.6	.6	.6	.4	.2	.2	.1	.8	2.3	1.8	1.0	.3	.8	1.3	1.0	.6
90.	*	.6	.6	.6	.4	.2	.2	.1	.7	2.2	1.8	1.3	.4	1.0	1.3	.9	.6
95.	*	.6	.6	.6	.4	.2	.2	.0	.7	1.8	1.9	1.3	.4	1.2	1.3	.9	.5
100.	*	.6	.6	.7	.4	.2	.2	.0	.7	1.9	2.0	1.3	.5	1.2	1.2	.9	.5
105.	*	.7	.7	.8	.3	.2	.2	.0	.8	1.6	1.9	1.3	.5	1.3	1.1	.9	.5
110.	*	.7	.7	.7	.3	.2	.2	.0	.8	1.6	1.9	1.3	.6	1.4	1.0	.9	.6
115.	*	.8	.9	.7	.2	.2	.2	.0	.9	1.5	1.9	1.4	.6	1.5	1.0	1.0	.6
120.	*	.9	.9	.7	.2	.2	.0	.0	1.0	1.2	1.9	1.4	.6	1.6	.9	1.0	.6
125.	*	.9	.7	.7	.2	.2	.0	.0	1.0	1.4	1.8	1.6	.6	1.3	.9	.7	.6
130.	*	.7	.7	.7	.2	.2	.0	.0	1.0	1.3	1.6	1.5	.6	1.3	.9	.7	.5
135.	*	.5	.6	.5	.2	.0	.0	.0	1.0	1.4	1.5	1.3	.5	1.3	.7	.7	.5
140.	*	.5	.5	.5	.1	.0	.0	.0	1.1	.9	1.2	1.1	.5	1.2	.7	.7	.5
145.	*	.3	.3	.3	.0	.0	.0	.0	1.0	.6	.8	.9	.4	1.2	.7	.7	.5
150.	*	.2	.2	.2	.0	.0	.0	.0	.9	.8	.5	.6	.2	1.0	.7	.7	.6
155.	*	.1	.1	.1	.0	.0	.0	.0	.8	.6	.4	.6	.2	1.0	.7	.8	.6
160.	*	.1	.1	.1	.0	.0	.0	.0	.9	.5	.5	.3	.1	1.1	.8	.8	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.8	.4	.4	.2	.1	1.0	.8	.8	.6
170.	*	.0	.0	.0	.0	.0	.0	.0	.8	.4	.3	.2	.1	.9	.8	.9	.7
175.	*	.0	.0	.0	.0	.0	.0	.0	.9	.4	.2	.1	.1	.9	.8	1.0	.7
180.	*	.0	.0	.0	.0	.0	.0	.0	.8	.5	.2	.1	.0	1.0	.9	.9	.7
185.	*	.0	.0	.0	.0	.0	.0	.0	.8	.3	.2	.1	.0	.9	1.0	.9	.8
190.	*	.0	.0	.0	.0	.0	.1	.6	.3	.1	.1	.0	.9	1.0	1.0	.8	.8
195.	*	.0	.0	.0	.1	.0	.1	.5	.3	.1	.1	.0	1.0	.9	.9	.8	.8
200.	*	.0	.0	.0	.2	.3	.2	.2	.4	.2	.1	.0	.9	.8	.9	.8	.8
205.	*	.0	.0	.0	.3	.3	.3	.3	.4	.1	.1	.0	.7	.7	.8	.7	.7

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JOB: S15 MD450&MD410

RUN: MD450&MD410

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.6	.4	.5	.4	.2	.1	.0	.0	.5	.5	.6	.6
215.	*	.0	.0	.0	.6	.4	.5	.5	.1	.0	.0	.0	.4	.3	.4	.4
220.	*	.1	.0	.0	.7	.7	.6	.5	.1	.0	.0	.0	.2	.2	.3	.3
225.	*	.1	.0	.0	.7	.7	.6	.6	.0	.0	.0	.0	.1	.1	.2	.2
230.	*	.2	.1	.0	.7	.7	.6	.6	.0	.0	.0	.0	.1	.1	.1	.1
235.	*	.1	.1	.0	.7	.7	.5	.6	.0	.0	.0	.0	.0	.0	.1	.1
240.	*	.1	.1	.1	.7	.7	.6	.6	.0	.0	.0	.0	.0	.0	.1	.1
245.	*	.1	.1	.1	.7	.7	.6	.6	.0	.0	.0	.0	.0	.0	.0	.1
250.	*	.2	.1	.1	.7	.7	.6	.5	.0	.0	.0	.0	.0	.0	.0	.1
255.	*	.2	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1
260.	*	.2	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.2	.1	.1	.7	.7	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.2	.2	.1	.7	.7	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.2	.2	.1	.8	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.2	.1	.8	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.2	.1	.8	.7	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.2	.2	.9	.7	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.3	.3	.2	.9	.7	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.5	.3	.2	.9	.7	.7	.5	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.4	.3	.3	1.0	.7	.7	.5	.0	.1	.0	.0	.0	.0	.0	.0
310.	*	.6	.3	.2	1.1	.7	.7	.5	.0	.2	.0	.1	.0	.0	.0	.0
315.	*	.5	.4	.4	1.2	.6	.7	.5	.1	.5	.1	.0	.2	.0	.0	.0
320.	*	.5	.5	.4	1.1	.6	.7	.5	.2	.7	.3	.2	.2	.0	.0	.0
325.	*	.6	.6	.7	1.3	.7	.7	.5	.3	1.0	.5	.2	.4	.1	.0	.0
330.	*	.7	.8	.7	1.5	.7	.7	.5	.6	1.1	.6	.4	.4	.1	.0	.0
335.	*	.6	.8	1.0	1.7	.7	.7	.5	.7	1.3	.7	.4	.4	.4	.0	.0
340.	*	.9	1.1	1.0	1.8	.7	.7	.6	.8	1.5	.8	.4	.4	.5	.1	.0
345.	*	1.0	1.2	1.0	1.9	1.0	.8	.6	.8	1.5	.9	.3	.4	.6	.1	.0
350.	*	.9	1.1	1.0	2.0	1.0	.8	.6	.9	1.5	1.0	.4	.4	.6	.2	.1
355.	*	1.1	1.2	.9	1.9	1.1	.8	.6	1.0	1.5	1.0	.4	.3	.7	.3	.1
360.	*	1.2	1.2	.8	1.7	1.0	1.0	.8	1.0	1.5	1.1	.4	.3	.7	.4	.2
MAX	*	1.2	1.2	1.0	2.0	1.1	1.0	1.0	1.1	2.3	2.0	1.6	.6	1.6	1.4	1.4
DEGR.	*	0	0	335	350	5	0	15	55	85	100	125	110	120	80	55

THE HIGHEST CONCENTRATION IS 3.20 PPM AT 210 DEGREES FROM REC17.  
THE 2ND HIGHEST CONCENTRATION IS 2.30 PPM AT 85 DEGREES FROM REC29.  
THE 3RD HIGHEST CONCENTRATION IS 2.10 PPM AT 165 DEGREES FROM REC16.

S15 MD450&MD410 EXPM				60.0321.0.0000.000360.30480000	1	1
SE COR	1190.	858.	5.0			
SE 82E	1218.	900.	5.0			
SE 164E	1282.	952.	5.0			
SE 256E	1361.	998.	5.0			
SE MIDE	1519.	1066.	5.0			
SE 82S	1189.	806.	5.0			
SE 164S	1243.	737.	5.0			
SE 256S	1302.	659.	5.0			
SE MIDS	1392.	547.	5.0			
NE COR	1066.	988.	5.0			
NE 82N	1004.	1024.	5.0			
NE 164N	952.	1086.	5.0			
NE 256N	898.	1154.	5.0			
NE MIDN	757.	1338.	5.0			
NE 82E	1115.	1003.	5.0			
NE 164E	1181.	1050.	5.0			
NE 256E	1255.	1089.	5.0			
NE MIDE	1519.	1186.	5.0			
SW COR	1069.	692.	5.0			
SW 82S	1120.	667.	5.0			
SW 164S	1172.	602.	5.0			
SW 256S	1225.	536.	5.0			
SW MIDS	1293.	449.	5.0			
SW 82W	1013.	662.	5.0			
SW 164W	976.	589.	5.0			
SW 256W	926.	497.	5.0			
SW MIDW	852.	357.	5.0			
NW COR	955.	836.	5.0			
NW 82N	931.	911.	5.0			
NW 164N	879.	975.	5.0			
NW 256N	818.	1052.	5.0			
NW MIDN	635.	1305.	5.0			
NW 82W	950.	775.	5.0			
NW 164W	903.	691.	5.0			
NW 256W	856.	596.	5.0			
NW MIDW	761.	411.	5.0			
MD450&MD410		52	1	0		
1						
EBL MD450 AG	1069.	845.	958.	670.	155 6.0	0 32 32
2						
EBL MD450 AG	1017.	764.	961.	675.	0. 12	1
150 128	2.0	155	65.9	1770	1 3	
1						
EBL MD450 AG	958.	670.	859.	473.	155 6.0	0 32 32
1						
EBT MD450 AG	1095.	823.	995.	696.	1390 6.0	0 56 32
2						
EBT MD450 AG	1042.	755.	997.	698.	0. 36	3
150 83	2.0	1390	65.9	1695	1 3	
1						
EBT&R MD450 AG	995.	696.	874.	467.	1920 6.0	0 56 32
1						
EBR MD450 AG	1133.	691.	1074.	714.	530 6.0	0 32 32
1						
EBR MD450 AG	1073.	714.	995.	693.	530 6.0	0 32 32
1						
EBALL MD450 AG	874.	465.	608.	-42.	2075 6.0	0 56 32
1						
EBDP MD450 AG	2028.	1122.	1847.	1144.	1755 6.0	0 56 32
1						
EBDP MD450 AG	1847.	1144.	1674.	1135.	1755 6.0	0 56 32
1						
EBDP MD450 AG	1674.	1135.	1483.	1091.	1755 6.0	0 56 32
1						
EBDP MD450 AG	1483.	1091.	1261.	980.	1755 6.0	0 56 32
1						
EBDP MD450 AG	1261.	980.	1089.	833.	1755 6.0	0 56 32
1						
WBLT MD450 AG	1081.	856.	1199.	972.	225 6.2	0 44 30
2						
WBL MD450 AG	1124.	898.	1194.	968.	0. 24	2
150 129	2.0	225	65.9	1717	1 3	
1						
WBLT MD450 AG	1199.	972.	1305.	1046.	225 6.2	0 44 30
1						
WBLT MD450 AG	1305.	1046.	1446.	1109.	225 6.2	0 44 30
1						
WBT MD450 AG	1059.	870.	1183.	994.	1085 6.2	0 56 30
2						
WBT MD450 AG	1103.	914.	1176.	987.	0. 36	3
150 84	2.0	1085	65.9	1695	1 3	
1						
WBT MD450 AG	1183.	994.	1322.	1084.	1085 6.2	0 56 30
1						
WBT MD450 AG	1322.	1084.	1443.	1129.	1215 6.2	0 56 30
1						
WBR MD450 AG	991.	1004.	1055.	961.	130 6.2	0 32 30
1						
WBR MD450 AG	1055.	961.	1126.	978.	130 6.2	0 32 30
1						
WBR MD450 AG	1126.	978.	1222.	1050.	130 6.2	0 32 30
1						
WBR MD450 AG	1222.	1050.	1321.	1085.	130 6.2	0 32 30
1						

WBALL	MD450	AG	1445.	1129.	1629.	1179.	1440	6.2	0	56	30
1											
WBALL	MD450	AG	1629.	1179.	1806.	1194.	1440	6.2	0	56	30
1											
WBALL	MD450	AG	1806.	1194.	2009.	1175.	1440	6.2	0	56	30
1											
WBDP	MD450	AG	562.	-19.	962.	726.	1750	6.2	0	56	30
1											
WBDP	MD450	AG	962.	726.	1059.	871.	1750	6.2	0	56	30
1											
NBL	MD410	AG	1081.	839.	1454.	370.	445	7.0	0	32	50
2											
NBL	MD410	AG	1124.	785.	1226.	657.	0.	12	1		
150	114	2.0	445	65.9	1770	1 3					
1											
NBT	MD410	AG	1100.	858.	1470.	388.	620	7.0	0	44	50
2											
NBT	MD410	AG	1143.	803.	1297.	608.	0.	24	2		
150	100	2.0	620	65.9	1770	1 3					
1											
NBR	MD410	AG	1173.	903.	1162.	808.	210	7.0	0	32	50
1											
NBR	MD410	AG	1162.	808.	1264.	665.	210	7.0	0	32	50
2											
NBR	MD410	AG	1164.	805.	1223.	722.	0.	12	1		
150	100	2.0	210	65.9	1783	1 3					
1											
NBR	MD410	AG	1264.	665.	1480.	395.	210	7.0	0	32	50
1											
NBALL	MD410	AG	1471.	387.	1707.	72.	1275	7.0	0	56	50
1											
NBDP	MD410	AG	465.	1643.	672.	1384.	905	7.0	0	44	50
1											
NBDP	MD410	AG	673.	1385.	1097.	857.	905	7.0	0	56	50
1											
SBL	MD410	AG	1068.	841.	757.	1226.	155	7.0	0	44	50
2											
SBL	MD410	AG	1011.	911.	896.	1054.	0.	24	2		
150	132	2.0	155	65.9	1583	1 3					
1											
SBT	MD410	AG	1058.	809.	737.	1210.	820	7.0	0	44	50
2											
SBT	MD410	AG	993.	890.	861.	1055.	0.	24	2		
150	118	2.0	820	65.9	1770	1 3					
1											
SBR	MD410	AG	970.	742.	978.	871.	220	7.0	0	32	50
1											
SBR	MD410	AG	978.	872.	730.	1202.	220	7.0	0	32	50
2											
SBR	MD410	AG	967.	887.	898.	978.	0.	12	1		
150	118	2.0	220	65.9	1583	1 3					
1											
SBALL	MD410	AG	743.	1217.	568.	1428.	1095	7.0	0	44	50
1											
SBALL	MD410	AG	569.	1426.	423.	1608.	1095	7.0	0	56	50
1											
SBDP	MD410	AG	1658.	38.	1061.	808.	1575	7.0	0	56	50
1.0	04	1000	0Y	5	0	72					

JOB: S15 MD450&amp;MD410 EXPM

RUN: MD450&amp;MD410

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## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD450	*	1069.0	845.0	958.0	670.0	*	207.	212. AG	155.	6.0	.0	32.0		
2. EBL	MD450	*	1017.0	764.0	956.0	667.1	*	114.	212. AG	151.	100.0	.0	12.0	.73	5.8
3. EBL	MD450	*	958.0	670.0	859.0	473.0	*	220.	207. AG	155.	6.0	.0	32.0		
4. EBT	MD450	*	1095.0	823.0	995.0	696.0	*	162.	218. AG	1390.	6.0	.0	56.0		
5. EBT	MD450	*	1042.0	755.0	911.8	590.1	*	210.	218. AG	293.	100.0	.0	36.0	.65	10.7
6. EBT&R	MD450	*	995.0	696.0	874.0	467.0	*	259.	208. AG	1920.	6.0	.0	56.0		
7. EBR	MD450	*	1133.0	691.0	1074.0	714.0	*	63.	291. AG	530.	6.0	.0	32.0		
8. EBR	MD450	*	1073.0	714.0	995.0	693.0	*	81.	255. AG	530.	6.0	.0	32.0		
9. EBALL	MD450	*	874.0	465.0	608.0	-42.0	*	573.	208. AG	2075.	6.0	.0	56.0		
10. EBDP	MD450	*	2028.0	1122.0	1847.0	1144.0	*	182.	277. AG	1755.	6.0	.0	56.0		
11. EBDP	MD450	*	1847.0	1144.0	1674.0	1135.0	*	173.	267. AG	1755.	6.0	.0	56.0		
12. EBDP	MD450	*	1674.0	1135.0	1483.0	1091.0	*	196.	257. AG	1755.	6.0	.0	56.0		
13. EBDP	MD450	*	1483.0	1091.0	1261.0	980.0	*	248.	243. AG	1755.	6.0	.0	56.0		
14. EBDP	MD450	*	1261.0	980.0	1089.0	833.0	*	226.	229. AG	1755.	6.0	.0	56.0		
15. WBLT	MD450	*	1081.0	856.0	1199.0	972.0	*	165.	45. AG	225.	6.2	.0	44.0		
16. WBL	MD450	*	1124.0	898.0	1179.9	953.9	*	79.	45. AG	304.	100.0	.0	24.0	.58	4.0
17. WBLT	MD450	*	1199.0	972.0	1305.0	1046.0	*	129.	55. AG	225.	6.2	.0	44.0		
18. WBLT	MD450	*	1305.0	1046.0	1446.0	1109.0	*	154.	66. AG	225.	6.2	.0	44.0		
19. WBT	MD450	*	1059.0	870.0	1183.0	994.0	*	175.	45. AG	1085.	6.2	.0	56.0		
20. WBT	MD450	*	1103.0	914.0	1220.2	1031.2	*	166.	45. AG	297.	100.0	.0	36.0	.52	8.4
21. WBT	MD450	*	1183.0	994.0	1322.0	1084.0	*	166.	57. AG	1085.	6.2	.0	56.0		
22. WBT	MD450	*	1322.0	1084.0	1443.0	1129.0	*	129.	70. AG	1215.	6.2	.0	56.0		
23. WBR	MD450	*	991.0	1004.0	1055.0	961.0	*	77.	124. AG	130.	6.2	.0	32.0		
24. WBR	MD450	*	1055.0	961.0	1126.0	978.0	*	73.	77. AG	130.	6.2	.0	32.0		
25. WBR	MD450	*	1126.0	978.0	1222.0	1050.0	*	120.	53. AG	130.	6.2	.0	32.0		
26. WBR	MD450	*	1222.0	1050.0	1321.0	1085.0	*	105.	71. AG	130.	6.2	.0	32.0		
27. WBALL	MD450	*	1445.0	1129.0	1629.0	1179.0	*	191.	75. AG	1440.	6.2	.0	56.0		
28. WBALL	MD450	*	1629.0	1179.0	1806.0	1194.0	*	178.	85. AG	1440.	6.2	.0	56.0		
29. WBALL	MD450	*	1806.0	1194.0	2009.0	1175.0	*	204.	95. AG	1440.	6.2	.0	56.0		
30. WBDP	MD450	*	562.0	-19.0	962.0	726.0	*	846.	28. AG	1750.	6.2	.0	56.0		
31. WBDP	MD450	*	962.0	726.0	1059.0	871.0	*	174.	34. AG	1750.	6.2	.0	56.0		
32. NBL	MD410	*	1081.0	839.0	1454.0	370.0	*	599.	142. AG	445.	7.0	.0	32.0		
33. NBL	MD410	*	1124.0	785.0	1783.2	-42.2	*	1058.	141. AG	134.	100.0	.0	12.0	1.18	53.7
34. NBT	MD410	*	1100.0	858.0	1470.0	388.0	*	598.	142. AG	620.	7.0	.0	44.0		
35. NBT	MD410	*	1143.0	803.0	1248.1	670.0	*	170.	142. AG	236.	100.0	.0	24.0	.57	8.6
36. NBR	MD410	*	1173.0	903.0	1162.0	808.0	*	96.	187. AG	210.	7.0	.0	32.0		
37. NBR	MD410	*	1162.0	808.0	1264.0	665.0	*	176.	145. AG	210.	7.0	.0	32.0		
38. NBR	MD410	*	1164.0	805.0	1230.5	711.4	*	115.	145. AG	118.	100.0	.0	12.0	.38	5.8
39. NBR	MD410	*	1264.0	665.0	1480.0	395.0	*	346.	141. AG	210.	7.0	.0	32.0		
40. NBALL	MD410	*	1471.0	387.0	1707.0	72.0	*	394.	143. AG	1275.	7.0	.0	56.0		
41. NBDP	MD410	*	465.0	1643.0	672.0	1384.0	*	332.	141. AG	905.	7.0	.0	44.0		
42. NBDP	MD410	*	673.0	1385.0	1097.0	857.0	*	677.	141. AG	905.	7.0	.0	56.0		
43. SBL	MD410	*	1068.0	841.0	757.0	1226.0	*	495.	321. AG	155.	7.0	.0	44.0		
44. SBL	MD410	*	1011.0	911.0	976.2	954.3	*	56.	321. AG	311.	100.0	.0	24.0	.52	2.8

JOB: S15 MD450&amp;MD410 EXPM

RUN: MD450&amp;MD410

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## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD410	*	1058.0	809.0	737.0	1210.0	*	514.	321. AG	820.	7.0	.0	44.0		
46. SBT	MD410	*	993.0	890.0	267.5	1796.9	*	1161.	321. AG	278.	100.0	.0	24.0	1.24	59.0
47. SBR	MD410	*	970.0	742.0	978.0	871.0	*	129.	4. AG	220.	7.0	.0	32.0		
48. SBR	MD410	*	978.0	872.0	730.0	1202.0	*	413.	323. AG	220.	7.0	.0	32.0		
49. SBR	MD410	*	967.0	887.0	878.1	1004.2	*	147.	323. AG	139.	100.0	.0	12.0	.75	7.5
50. SBALL	MD410	*	743.0	1217.0	568.0	1428.0	*	274.	320. AG	1095.	7.0	.0	44.0		
51. SBALL	MD410	*	569.0	1426.0	423.0	1608.0	*	233.	321. AG	1095.	7.0	.0	56.0		
52. SBDP	MD410	*	1658.0	38.0	1061.0	808.0	*	974.	322. AG	1575.	7.0	.0	56.0		

JOB: S15 MD450&amp;MD410 EXPM

RUN: MD450&amp;MD410

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## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD450	*	150	128	2.0	155	1770	65.90	1	3
5. EBT	MD450	*	150	83	2.0	1390	1695	65.90	1	3
16. WBL	MD450	*	150	129	2.0	225	1717	65.90	1	3
20. WBT	MD450	*	150	84	2.0	1085	1695	65.90	1	3
33. NBL	MD410	*	150	114	2.0	445	1770	65.90	1	3
35. NBT	MD410	*	150	100	2.0	620	1770	65.90	1	3

38.	NBR	MD410	*	150	100	2.0	210	1783	65.90	1	3
44.	SBL	MD410	*	150	132	2.0	155	1583	65.90	1	3
46.	SBT	MD410	*	150	118	2.0	820	1770	65.90	1	3
49.	SBR	MD410	*	150	118	2.0	220	1583	65.90	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1190.0	858.0	5.0	*
2. SE 82E	*	1218.0	900.0	5.0	*
3. SE 164E	*	1282.0	952.0	5.0	*
4. SE 256E	*	1361.0	998.0	5.0	*
5. SE MIDE	*	1519.0	1066.0	5.0	*
6. SE 82S	*	1189.0	806.0	5.0	*
7. SE 164S	*	1243.0	737.0	5.0	*
8. SE 256S	*	1302.0	659.0	5.0	*
9. SE MIDS	*	1392.0	547.0	5.0	*
10. NE COR	*	1066.0	988.0	5.0	*
11. NE 82N	*	1004.0	1024.0	5.0	*
12. NE 164N	*	952.0	1086.0	5.0	*
13. NE 256N	*	898.0	1154.0	5.0	*
14. NE MIDN	*	757.0	1338.0	5.0	*
15. NE 82E	*	1115.0	1003.0	5.0	*
16. NE 164E	*	1181.0	1050.0	5.0	*
17. NE 256E	*	1255.0	1089.0	5.0	*
18. NE MIDE	*	1519.0	1186.0	5.0	*
19. SW COR	*	1069.0	692.0	5.0	*
20. SW 82S	*	1120.0	667.0	5.0	*
21. SW 164S	*	1172.0	602.0	5.0	*
22. SW 256S	*	1225.0	536.0	5.0	*
23. SW MIDS	*	1293.0	449.0	5.0	*
24. SW 82W	*	1013.0	662.0	5.0	*
25. SW 164W	*	976.0	589.0	5.0	*
26. SW 256W	*	926.0	497.0	5.0	*
27. SW MIDW	*	852.0	357.0	5.0	*
28. NW COR	*	955.0	836.0	5.0	*
29. NW 82N	*	931.0	911.0	5.0	*
30. NW 164N	*	879.0	975.0	5.0	*
31. NW 256N	*	818.0	1052.0	5.0	*
32. NW MIDN	*	635.0	1305.0	5.0	*
33. NW 82W	*	950.0	775.0	5.0	*
34. NW 164W	*	903.0	691.0	5.0	*
35. NW 256W	*	856.0	596.0	5.0	*

1

JOB: S15 MD450&MD410 EXPM  
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RUN: MD450&MD410

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# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
36. NW MIDW	*	761.0	411.0	5.0	*

1

JOB: S15 MD450&MD410 EXPM

RUN: MD450&MD410

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.8	.6	.4	.4	.5	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.9
5.	.8	.6	.4	.4	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
10.	.7	.5	.4	.5	.5	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0
15.	.7	.6	.4	.5	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1
20.	.6	.6	.5	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.2
25.	.5	.5	.5	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.1
30.	.4	.5	.5	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9
35.	.3	.6	.5	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9
40.	.2	.4	.5	.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9
45.	.2	.4	.6	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9
50.	.2	.3	.5	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.8	.9
55.	.1	.3	.5	.6	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.8	.9
60.	.1	.2	.4	.5	.6	.0	.0	.0	.0	.2	.0	.0	.0	.0	.3	.1	.1	.0	.8	.9
65.	.1	.2	.3	.4	.6	.0	.0	.0	.0	.3	.0	.0	.0	.0	.4	.2	.2	.1	.8	.8
70.	.0	.1	.3	.3	.5	.0	.0	.0	.0	.4	.0	.0	.0	.0	.5	.2	.3	.2	.7	.7
75.	.0	.0	.1	.3	.4	.0	.0	.0	.0	.5	.1	.0	.0	.0	.6	.3	.4	.2	.8	.7
80.	.0	.0	.1	.2	.3	.0	.0	.0	.0	.7	.2	.0	.0	.0	.6	.4	.5	.3	.8	.7
85.	.0	.0	.0	.1	.2	.0	.0	.0	.0	.8	.3	.0	.0	.0	.8	.5	.5	.4	.7	.7
90.	.0	.0	.0	.1	.1	.0	.0	.0	.0	.9	.4	.0	.0	.0	.8	.4	.4	.4	.7	.7
95.	.0	.0	.0	.0	.1	.0	.0	.0	.0	.8	.3	.2	.0	.0	1.0	.5	.4	.5	.6	.8

100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.6	.2	.0	.0	1.0	.6	.3	.6	.7	.9
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.6	.1	.1	.0	1.0	.6	.4	.6	.7	.8
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.6	.2	.1	.0	.9	.6	.5	.6	.6	.8
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.6	.4	.1	.0	.9	.6	.4	.5	.6	.8
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.6	.4	.1	.0	.9	.7	.4	.5	.5	.8
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.6	.5	.3	.2	1.0	.9	.4	.5	.5	.7
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.6	.5	.4	.2	1.0	.9	.4	.5	.4	.6
135.	*	.0	.0	.0	.0	.0	.4	.2	.2	.2	1.1	.9	.7	.7	.3	1.2	1.0	.4	.5	.3	.5
140.	*	.1	.0	.0	.0	.0	.5	.3	.4	.2	1.2	.9	.8	.6	.5	1.3	.9	.4	.4	.3	.4
145.	*	.4	.1	.0	.0	.0	.7	.4	.5	.4	1.1	1.0	.8	.8	.6	1.5	1.0	.4	.4	.2	.4
150.	*	.4	.2	.0	.0	.0	1.0	.5	.6	.5	1.0	.9	.7	.8	.7	1.4	1.1	.4	.4	.1	.2
155.	*	.6	.2	.1	.0	.0	1.2	.7	.7	.5	1.1	1.0	.9	1.0	.8	1.6	1.2	.3	.5	.0	.1
160.	*	.8	.4	.2	.0	.0	1.4	.8	.8	.7	1.1	.7	1.0	1.0	.8	1.6	1.1	.5	.5	.0	.1
165.	*	.8	.4	.2	.2	.0	1.6	.9	.8	.7	.9	.8	1.0	1.0	.9	1.6	1.5	.5	.5	.0	.0
170.	*	.9	.4	.2	.2	.0	1.5	.8	.8	.6	.9	1.0	1.0	.9	.7	1.5	1.5	.6	.5	.0	.0
175.	*	.9	.6	.2	.2	.0	1.5	.9	.7	.7	.8	1.0	1.1	1.0	.7	1.4	1.7	.7	.5	.0	.0
180.	*	.8	.6	.3	.2	.0	1.6	1.0	.7	.7	.6	1.2	1.0	1.0	.7	1.3	1.7	.8	.4	.0	.0
185.	*	.8	.6	.3	.2	.0	1.5	1.0	.7	.6	.6	1.3	1.0	1.0	.8	1.2	1.7	.8	.3	.0	.0
190.	*	.7	.6	.3	.2	.1	1.5	1.1	.6	.6	.9	1.2	.9	.9	.7	1.1	1.5	.9	.4	.0	.0
195.	*	.7	.6	.3	.3	.1	1.5	1.2	.6	.6	.8	1.5	.9	.8	.6	1.3	1.4	1.0	.5	.0	.0
200.	*	.7	.6	.3	.3	.1	1.5	1.2	.6	.6	.9	1.2	.8	.6	.6	1.1	1.5	1.1	.5	.1	.0
205.	*	.8	.7	.3	.3	.1	1.5	1.2	.6	.6	.9	1.0	.8	.6	.6	1.0	1.4	1.3	.5	.3	.0

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JOB: S15 MD450&amp;MD410 EXPM

RUN: MD450&amp;MD410

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WIND	*	CONCENTRATION																				
ANGLE	*	(PPM)																				
(DEGR)	*	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	1.0	1.0	.4	.3	.1	1.6	1.2	.6	.6	.7	.9	.7	.6	.6	.8	1.1	1.2	.5	.3	.1	
215.	*	1.0	.9	.6	.3	.1	1.8	1.4	.6	.6	.8	.8	.7	.6	.6	.7	.9	1.3	.5	.4	.2	
220.	*	1.1	1.0	.5	.5	.1	1.8	1.5	.6	.6	.7	.8	.7	.6	.6	.7	.9	1.3	.6	.5	.2	
225.	*	.9	1.0	.7	.6	.1	1.8	1.5	.7	.6	.7	.7	.7	.6	.6	.5	.9	1.1	.8	.7	.3	
230.	*	.9	1.0	.7	.5	.4	1.8	1.6	.8	.6	.8	.7	.6	.6	.6	.4	.5	.8	.8	.8	.3	
235.	*	1.1	.9	.7	.7	.2	1.9	1.7	.8	.6	.8	.7	.6	.6	.6	.5	.4	.6	.5	.7	.4	
240.	*	.9	.8	.8	.7	.5	1.9	1.6	.8	.7	.8	.7	.6	.6	.6	.7	.3	.3	.5	.8	.3	
245.	*	.7	.6	1.0	.8	.4	1.9	1.7	.7	.8	.8	.7	.6	.6	.6	.6	.4	.2	.6	.9	.4	
250.	*	.7	.7	.9	1.0	.5	1.7	1.7	.9	.8	.8	.7	.6	.6	.6	.6	.4	.2	.4	1.0	.4	
255.	*	.6	.7	1.0	.9	.5	1.5	1.7	.9	.7	.7	.7	.6	.6	.6	.6	.3	.1	.4	1.2	.5	
260.	*	.5	1.1	1.3	1.0	.6	1.2	1.7	1.0	.7	.7	.7	.6	.6	.6	.6	.3	.1	.2	1.2	.5	
265.	*	.5	1.3	1.3	1.1	.6	1.0	1.8	1.0	.7	.7	.6	.7	.7	.6	.6	.3	.1	.1	1.1	.5	
270.	*	.7	1.4	1.3	1.1	.7	.7	1.8	1.2	.8	.6	.7	.7	.7	.6	.4	.3	.2	.1	1.1	.6	
275.	*	.9	1.5	1.3	.9	.6	.9	1.7	1.0	.8	.7	.7	.7	.7	.7	.5	.3	.2	.1	1.0	.7	
280.	*	1.0	1.6	1.2	.9	.6	.9	1.6	1.0	.8	.6	.7	.7	.7	.7	.5	.3	.2	.1	1.1	.8	
285.	*	1.2	1.6	1.2	.9	.5	.8	1.6	1.0	.8	.6	.7	.7	.7	.7	.5	.3	.2	.1	1.1	.7	
290.	*	1.2	1.6	1.3	.8	.6	.9	1.6	1.1	.8	.6	.8	.8	.9	.8	.5	.3	.2	.1	1.0	.8	
295.	*	1.3	1.6	1.2	.7	.6	.8	1.6	1.4	1.0	.7	.8	.8	.8	.9	.4	.3	.2	.1	1.1	.6	
300.	*	1.4	1.6	1.1	.5	.7	.9	1.4	1.3	1.1	.7	.8	.8	.8	.9	.4	.2	.1	.0	1.0	.6	
305.	*	1.4	1.5	.9	.5	.5	1.0	1.1	1.1	1.0	.5	.8	.8	.8	.7	.4	.2	.1	.0	1.1	.7	
310.	*	1.4	1.5	.8	.5	.5	1.2	1.2	1.1	.7	.4	.7	.8	.8	.6	.3	.1	.1	.0	1.1	.7	
315.	*	1.3	1.4	.8	.4	.4	1.1	1.3	1.2	.6	.4	.6	.6	.7	.4	.3	.1	.0	.0	1.2	1.0	
320.	*	1.4	1.2	.6	.4	.5	.8	.9	1.1	.7	.3	.4	.4	.4	.4	.1	.0	.0	.0	1.5	1.0	
325.	*	1.4	1.1	.7	.4	.4	1.0	.8	.9	.4	.2	.4	.4	.3	.3	.1	.0	.0	.0	1.5	1.1	
330.	*	1.3	1.0	.5	.4	.4	.9	.7	.6	.3	.1	.2	.2	.2	.2	.0	.0	.0	.0	1.6	1.2	
335.	*	1.2	.9	.5	.6	.4	.8	.4	.4	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	1.4	1.2	
340.	*	1.1	1.0	.5	.4	.5	.8	.4	.3	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	1.3	1.1	
345.	*	1.1	.9	.5	.4	.5	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.9	
350.	*	1.1	.7	.4	.4	.5	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.9	
355.	*	1.0	.7	.4	.4	.5	.8	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	
360.	*	.8	.6	.4	.4	.5	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.9	
MAX	*	1.4	1.6	1.3	1.1	.7	1.9	1.8	1.4	1.1	1.2	1.5	1.1	1.0	.9	1.6	1.7	1.3	.8	1.6	1.2	
DEGR.	*	320	280	260	265	270	240	265	295	300	140	195	175	155	295	155	175	205	225	330	20	

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JOB: S15 MD450&amp;MD410 EXPM

RUN: MD450&amp;MD410

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION																							
ANGLE	*	(PPM)																							
(DEGR)	*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																							
0.	*	1.3	1.1	.9	1.9	1.6	1.1	.9	1.0	1.6	1.3	1.1	1.4	.7	.5	.2	.2								
5.	*	1.3	1.1	.8	1.8	1.5	1.4	.9	1.0	1.6	1.4	1.1	1.4	.7	.5	.3	.2								
10.	*	1.2	.8	.8	1.5	1.3	1.3	1.0	.9	1.5	1.4	1.1	1.4	.6	.5	.2	.2								
15.	*	1.0	.6	.6	1.5	1.2	1.2	1.1	.9	1.4	1.3	1.0	1.3	.6	.6	.2	.3								
20.	*	.9	.6	.5	1.4	1.2	1.3	.8	.9	1.4	1.3	1.0	1.2	.6	.4	.3	.5								
25.	*	.8	.5	.5	1.3	1.2	1.0	.8	.8	1.5	1.3	1.0	1.3	.7	.6	.5	.7								
30.	*	.7	.5	.5	1.0	1.0	.9	.5	.7	1.5	1.4	1.0	1.1	.7	.5	.7	.6								
35.	*	.7	.5	.5	1.0	.8	.7	.4	.7	1.5	1.4	1.0	1.2	.9	.4	.8	.8								
40.	*	.7	.5	.5	.8	.7	.4	.4	.6	1.6	1.4	1.0	1.2	.9	.7	1.2	.8								
45.	*	.7	.5	.5	.7	.4	.4	.2	.7	1.6	1.4	1.0	1.2	1.1	1.0	1.4	.9								
50.	*	.6	.5	.5	.5	.3	.3	.2	.8	1.7	1.4	1.0	1.2	1.1	1.0	1.5	.9								
55.	*	.6	.5	.5	.3	.3	.3	.1	.9	1.8	1.4	1.0	1.2	1.0	1.2	1.5	.9								

60.	*	.6	.5	.5	.4	.3	.3	.1	.8	1.9	1.4	1.0	1.2	.9	1.2	1.6	.9
65.	*	.5	.5	.5	.4	.3	.2	.1	.9	2.0	1.4	1.0	1.2	.8	1.2	1.6	.7
70.	*	.5	.5	.5	.4	.3	.2	.1	.8	2.2	1.5	1.0	1.2	.7	1.3	1.5	.8
75.	*	.5	.5	.5	.3	.3	.2	.1	.8	2.4	1.5	1.0	1.2	.7	1.5	1.5	.8
80.	*	.5	.5	.5	.3	.2	.2	.1	.7	2.3	1.5	1.0	1.2	.7	1.6	1.4	.7
85.	*	.5	.5	.5	.3	.2	.2	.1	.6	2.2	1.7	1.1	1.3	.7	1.5	1.2	.7
90.	*	.6	.6	.6	.3	.2	.2	.1	.6	2.2	1.9	1.1	1.3	.9	1.5	1.1	.6
95.	*	.7	.8	.7	.4	.2	.2	.1	.8	1.9	2.0	1.2	1.4	1.2	1.4	1.0	.6
100.	*	.8	.8	.6	.3	.2	.2	.1	.8	1.9	2.1	1.2	1.4	1.1	1.4	1.0	.6
105.	*	.8	.8	.7	.3	.2	.2	.0	.8	1.8	2.0	1.3	1.5	1.2	1.3	.9	.5
110.	*	.8	.7	.7	.3	.2	.2	.0	.9	1.6	2.0	1.5	1.5	1.2	1.3	.9	.5
115.	*	.8	.7	.7	.3	.2	.2	.0	.8	1.5	1.9	1.6	1.6	1.2	1.3	.8	.6
120.	*	.7	.7	.7	.3	.2	.1	.0	1.0	1.3	1.9	1.4	1.7	1.4	1.3	.8	.6
125.	*	.7	.8	.8	.3	.2	.0	.0	.9	1.4	1.7	1.6	1.9	1.3	1.3	.6	.5
130.	*	.7	.8	.7	.2	.1	.0	.0	.9	1.2	1.6	1.6	1.7	1.3	1.2	.5	.5
135.	*	.6	.6	.6	.2	.0	.0	.0	1.0	1.2	1.4	1.4	1.6	1.2	1.1	.5	.5
140.	*	.4	.5	.5	.1	.0	.0	.0	1.0	1.0	1.2	1.3	1.4	1.3	1.0	.5	.5
145.	*	.4	.4	.4	.0	.0	.0	.0	1.0	.8	.9	.8	1.0	1.3	1.0	.5	.5
150.	*	.2	.2	.2	.0	.0	.0	.0	.9	.7	.5	.6	.8	1.2	1.0	.5	.6
155.	*	.1	.1	.1	.0	.0	.0	.0	.9	.6	.4	.3	.5	1.1	1.0	.6	.6
160.	*	.1	.1	.1	.0	.0	.0	.0	.9	.6	.6	.2	.2	1.0	1.0	.7	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	1.0	.6	.4	.2	.1	1.2	1.0	.7	.7
170.	*	.0	.0	.0	.0	.0	.0	.0	.9	.6	.3	.2	.1	1.1	.9	.6	.7
175.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	.3	.2	.0	1.1	1.0	.6	.8
180.	*	.0	.0	.0	.0	.0	.0	.1	.8	.4	.3	.2	.0	1.1	.9	.8	.8
185.	*	.0	.0	.0	.1	.0	.0	.1	.9	.4	.3	.2	.0	1.1	.9	.8	.8
190.	*	.0	.0	.0	.1	.1	.1	.1	.7	.5	.2	.1	.0	1.1	.8	.7	.7
195.	*	.0	.0	.0	.2	.2	.2	.2	.6	.3	.2	.0	.0	.9	.8	.7	.7
200.	*	.0	.0	.0	.4	.3	.3	.3	.5	.2	.1	.0	.0	.9	.7	.7	.7
205.	*	.0	.0	.0	.6	.5	.5	.5	.4	.1	.0	.0	.0	.8	.5	.6	.6

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JOB: S15 MD450&MD410 EXPM

RUN: MD450&MD410

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.7	.6	.5	.6	.3	.1	.0	.0	.0	.5	.4	.5	.5
215.	*	.1	.0	.0	.9	.7	.8	.7	.1	.0	.0	.0	.0	.2	.3	.4	.3
220.	*	.1	.0	.0	1.0	.8	.8	.8	.1	.0	.0	.0	.0	.1	.2	.2	.2
225.	*	.2	.1	.0	1.2	.7	.8	.8	.0	.0	.0	.0	.0	.1	.1	.1	.2
230.	*	.2	.1	.0	1.3	.7	.7	.8	.0	.0	.0	.0	.0	.0	.1	.1	.1
235.	*	.2	.2	.0	1.3	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0	.1	.1
240.	*	.2	.2	.1	1.3	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1
245.	*	.3	.2	.2	1.4	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.2	.2	1.4	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.2	.2	1.4	.8	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.1	.2	1.4	.8	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.2	.2	1.5	.9	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.2	.1	1.5	.8	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.4	.3	.1	1.4	.9	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.4	.3	.1	1.4	.9	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.4	.3	.3	1.4	1.0	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.4	.3	.3	1.5	1.0	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.5	.4	.3	1.6	1.2	.6	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0
300.	*	.3	.3	.2	1.6	1.2	.6	.6	.0	.1	.1	.1	.2	.0	.0	.0	.0
305.	*	.6	.4	.2	1.5	1.1	.6	.6	.1	.2	.1	.1	.4	.0	.0	.0	.0
310.	*	.7	.3	.3	1.5	1.1	.5	.6	.1	.4	.2	.2	.7	.1	.0	.0	.0
315.	*	.7	.5	.4	1.6	1.1	.5	.6	.2	.8	.5	.4	.9	.1	.0	.0	.0
320.	*	.8	.6	.6	1.7	1.2	.5	.6	.4	1.0	.8	.7	1.2	.2	.1	.0	.0
325.	*	.9	.6	.8	1.7	1.2	.6	.6	.6	1.3	.9	1.0	1.3	.3	.1	.1	.0
330.	*	1.0	.9	.7	1.8	1.3	.8	.6	.8	1.5	1.2	1.1	1.6	.3	.2	.1	.0
335.	*	.9	.8	.7	1.9	1.5	.8	.7	1.0	1.7	1.3	1.3	1.8	.6	.2	.1	.0
340.	*	.9	.8	.9	2.3	1.5	.9	.7	1.0	1.8	1.3	1.3	1.8	.7	.2	.2	.1
345.	*	.9	1.0	1.0	2.3	1.6	1.0	.7	1.0	1.7	1.3	1.2	1.7	.7	.2	.2	.1
350.	*	.9	1.1	1.0	2.1	1.5	1.0	.7	.9	1.7	1.4	1.2	1.6	.7	.2	.2	.1
355.	*	1.2	1.2	1.0	2.1	1.7	1.1	.8	1.0	1.7	1.3	1.2	1.5	.8	.4	.2	.2
360.	*	1.3	1.1	.9	1.9	1.6	1.1	.9	1.0	1.6	1.3	1.1	1.4	.7	.5	.2	.2
MAX	*	1.3	1.2	1.0	2.3	1.7	1.4	1.1	1.0	2.4	2.1	1.6	1.9	1.4	1.6	1.6	.9
DEGR.	*	0	355	345	340	355	5	15	120	75	100	130	125	120	80	60	55

THE HIGHEST CONCENTRATION IS 2.40 PPM AT 75 DEGREES FROM REC29.

THE 2ND HIGHEST CONCENTRATION IS 2.30 PPM AT 340 DEGREES FROM REC24.

THE 3RD HIGHEST CONCENTRATION IS 2.10 PPM AT 100 DEGREES FROM REC30.

[illegible]



WBALL	MD450	AG	1445.	1129.	1629.	1179.	2375	3.5	0	56	30
1											
WBALL	MD450	AG	1629.	1179.	1806.	1194.	2375	3.5	0	56	30
1											
WBALL	MD450	AG	1806.	1194.	2009.	1175.	2375	3.5	0	56	30
1											
WBDP	MD450	AG	562.	-19.	962.	726.	2740	3.5	0	56	30
1											
WBDP	MD450	AG	962.	726.	1059.	871.	2740	3.5	0	56	30
1											
NBL	MD410	AG	1081.	839.	1454.	370.	680	4.3	0	32	50
2											
NBL	MD410	AG	1124.	785.	1226.	657.	0.	12	1		
100	70		2.0	680	37.8	1770	1	3			
1											
NBT	MD410	AG	1100.	858.	1470.	388.	935	4.3	0	44	50
2											
NBT	MD410	AG	1143.	803.	1297.	608.	0.	24	2		
100	61		2.0	935	37.8	1770	1	3			
1											
NBR	MD410	AG	1173.	903.	1162.	808.	385	4.3	0	32	50
1											
NBR	MD410	AG	1162.	808.	1264.	665.	385	4.3	0	32	50
2											
NBR	MD410	AG	1164.	805.	1223.	722.	0.	12	1		
100	61		2.0	385	37.8	1783	1	3			
1											
NBR	MD410	AG	1264.	665.	1480.	395.	385	4.3	0	32	50
1											
NBALL	MD410	AG	1471.	387.	1707.	72.	2000	4.3	0	56	50
1											
NBDP	MD410	AG	465.	1643.	672.	1384.	1300	4.3	0	44	50
1											
NBDP	MD410	AG	673.	1385.	1097.	857.	1300	4.3	0	56	50
1											
SBL	MD410	AG	1068.	841.	757.	1226.	160	4.3	0	44	50
2											
SBL	MD410	AG	1011.	911.	896.	1054.	0.	24	2		
100	88		2.0	160	37.8	1583	1	3			
1											
SBT	MD410	AG	1058.	809.	737.	1210.	655	4.3	0	44	50
2											
SBT	MD410	AG	993.	890.	861.	1055.	0.	24	2		
100	79		2.0	655	37.8	1770	1	3			
1											
SBR	MD410	AG	970.	742.	978.	871.	220	4.3	0	32	50
1											
SBR	MD410	AG	978.	872.	730.	1202.	220	4.3	0	32	50
2											
SBR	MD410	AG	967.	887.	898.	978.	0.	12	1		
100	79		2.0	220	37.8	1583	1	3			
1											
SBALL	MD410	AG	743.	1217.	568.	1428.	1035	4.3	0	44	50
1											
SBALL	MD410	AG	569.	1426.	423.	1608.	1035	4.3	0	56	50
1											
SBDP	MD410	AG	1658.	38.	1061.	808.	1470	4.3	0	56	50
1.0	04	1000	0Y	5	0	72					

JOB: S15 MD450&MD410 NB15AM  
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RUN: MD450&MD410

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	MD450	* 1069.0	845.0	958.0	670.0	*	207.	212. AG	245.	3.5	.0	32.0	
2. EBL	MD450	* 1017.0	764.0	740.4	324.4	*	519.	212. AG	85.	100.0	.0	12.0	1.16 26.4
3. EBL	MD450	* 958.0	670.0	859.0	473.0	*	220.	207. AG	245.	3.5	.0	32.0	
4. EBT	MD450	* 1095.0	823.0	995.0	696.0	*	162.	218. AG	590.	3.5	.0	56.0	
5. EBT	MD450	* 1042.0	755.0	998.8	700.3	*	70.	218. AG	198.	100.0	.0	36.0	.37 3.5
6. EBT&R	MD450	* 995.0	696.0	874.0	467.0	*	259.	208. AG	990.	3.5	.0	56.0	
7. EBR	MD450	* 1133.0	691.0	1074.0	714.0	*	63.	291. AG	400.	3.5	.0	32.0	
8. EBR	MD450	* 1073.0	714.0	995.0	693.0	*	81.	255. AG	400.	3.5	.0	32.0	
9. EBALL	MD450	* 874.0	465.0	608.0	-42.0	*	573.	208. AG	1235.	3.5	.0	56.0	
10. EBDP	MD450	* 2028.0	1122.0	1847.0	1144.0	*	182.	277. AG	1135.	3.5	.0	56.0	
11. EBDP	MD450	* 1847.0	1144.0	1674.0	1135.0	*	173.	267. AG	1135.	3.5	.0	56.0	
12. EBDP	MD450	* 1674.0	1135.0	1483.0	1091.0	*	196.	257. AG	1135.	3.5	.0	56.0	
13. EBDP	MD450	* 1483.0	1091.0	1261.0	980.0	*	248.	243. AG	1135.	3.5	.0	56.0	
14. EBDP	MD450	* 1261.0	980.0	1089.0	833.0	*	226.	229. AG	1135.	3.5	.0	56.0	
15. WBLT	MD450	* 1081.0	856.0	1199.0	972.0	*	165.	45. AG	415.	3.5	.0	44.0	
16. WBL	MD450	* 1124.0	898.0	1193.8	967.8	*	99.	45. AG	162.	100.0	.0	24.0	.76 5.0
17. WBLT	MD450	* 1199.0	972.0	1305.0	1046.0	*	129.	55. AG	415.	3.5	.0	44.0	
18. WBLT	MD450	* 1305.0	1046.0	1446.0	1109.0	*	154.	66. AG	415.	3.5	.0	44.0	
19. WBT	MD450	* 1059.0	870.0	1183.0	994.0	*	175.	45. AG	1840.	3.5	.0	56.0	
20. WBT	MD450	* 1103.0	914.0	1473.5	1284.5	*	524.	45. AG	186.	100.0	.0	36.0	1.03 26.6
21. WBT	MD450	* 1183.0	994.0	1322.0	1084.0	*	166.	57. AG	1840.	3.5	.0	56.0	
22. WBT	MD450	* 1322.0	1084.0	1443.0	1129.0	*	129.	70. AG	1960.	3.5	.0	56.0	
23. WBR	MD450	* 991.0	1004.0	1055.0	961.0	*	77.	124. AG	120.	3.5	.0	32.0	
24. WBR	MD450	* 1055.0	961.0	1126.0	978.0	*	73.	77. AG	120.	3.5	.0	32.0	
25. WBR	MD450	* 1126.0	978.0	1222.0	1050.0	*	120.	53. AG	120.	3.5	.0	32.0	
26. WBR	MD450	* 1222.0	1050.0	1321.0	1085.0	*	105.	71. AG	120.	3.5	.0	32.0	
27. WBALL	MD450	* 1445.0	1129.0	1629.0	1179.0	*	191.	75. AG	2375.	3.5	.0	56.0	
28. WBALL	MD450	* 1629.0	1179.0	1806.0	1194.0	*	178.	85. AG	2375.	3.5	.0	56.0	
29. WBALL	MD450	* 1806.0	1194.0	2009.0	1175.0	*	204.	95. AG	2375.	3.5	.0	56.0	
30. WBDP	MD450	* 562.0	-19.0	962.0	726.0	*	846.	28. AG	2740.	3.5	.0	56.0	
31. WBDP	MD450	* 962.0	726.0	1059.0	871.0	*	174.	34. AG	2740.	3.5	.0	56.0	
32. NBL	MD410	* 1081.0	839.0	1454.0	370.0	*	599.	142. AG	680.	4.3	.0	32.0	
33. NBL	MD410	* 1124.0	785.0	2731.9	-1232.7	*	2580.	141. AG	71.	100.0	.0	12.0	1.48 131.1
34. NBT	MD410	* 1100.0	858.0	1470.0	388.0	*	598.	142. AG	935.	4.3	.0	44.0	
35. NBT	MD410	* 1143.0	803.0	1240.0	680.2	*	156.	142. AG	124.	100.0	.0	24.0	.75 7.9
36. NBR	MD410	* 1173.0	903.0	1162.0	808.0	*	96.	187. AG	385.	4.3	.0	32.0	
37. NBR	MD410	* 1162.0	808.0	1264.0	665.0	*	176.	145. AG	385.	4.3	.0	32.0	
38. NBR	MD410	* 1164.0	805.0	1238.4	700.3	*	128.	145. AG	62.	100.0	.0	12.0	.62 6.5
39. NBR	MD410	* 1264.0	665.0	1480.0	395.0	*	346.	141. AG	385.	4.3	.0	32.0	
40. NBALL	MD410	* 1471.0	387.0	1707.0	72.0	*	394.	143. AG	2000.	4.3	.0	56.0	
41. NBDP	MD410	* 465.0	1643.0	672.0	1384.0	*	332.	141. AG	1300.	4.3	.0	44.0	
42. NBDP	MD410	* 673.0	1385.0	1097.0	857.0	*	677.	141. AG	1300.	4.3	.0	56.0	
43. SBL	MD410	* 1068.0	841.0	757.0	1226.0	*	495.	321. AG	160.	4.3	.0	44.0	
44. SBL	MD410	* 1011.0	911.0	985.2	943.1	*	41.	321. AG	178.	100.0	.0	24.0	.63 2.1

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. SBT	MD410	* 1058.0	809.0	737.0	1210.0	*	514.	321. AG	655.	4.3	.0	44.0	
46. SBT	MD410	* 993.0	890.0	681.3	1279.7	*	499.	321. AG	160.	100.0	.0	24.0	1.09 25.4
47. SBR	MD410	* 970.0	742.0	978.0	871.0	*	129.	4. AG	220.	4.3	.0	32.0	
48. SBR	MD410	* 978.0	872.0	730.0	1202.0	*	413.	323. AG	220.	4.3	.0	32.0	
49. SBR	MD410	* 967.0	887.0	899.9	975.5	*	111.	323. AG	80.	100.0	.0	12.0	.82 5.6
50. SBALL	MD410	* 743.0	1217.0	568.0	1428.0	*	274.	320. AG	1035.	4.3	.0	44.0	
51. SBALL	MD410	* 569.0	1426.0	423.0	1608.0	*	233.	321. AG	1035.	4.3	.0	56.0	
52. SBDP	MD410	* 1658.0	38.0	1061.0	808.0	*	974.	322. AG	1470.	4.3	.0	56.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 100	84	2.0	245	1770	37.80	1	3
5. EBT	MD450	* 100	65	2.0	590	1695	37.80	1	3
16. WBL	MD450	* 100	80	2.0	415	1717	37.80	1	3
20. WBT	MD450	* 100	61	2.0	1840	1695	37.80	1	3
33. NBL	MD410	* 100	70	2.0	680	1770	37.80	1	3
35. NBT	MD410	* 100	61	2.0	935	1770	37.80	1	3

38.	NBR	MD410	*	100	61	2.0	385	1783	37.80	1	3
44.	SBL	MD410	*	100	88	2.0	160	1583	37.80	1	3
46.	SBT	MD410	*	100	79	2.0	655	1770	37.80	1	3
49.	SBR	MD410	*	100	79	2.0	220	1583	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1190.0	858.0	5.0	*
2. SE 82E	*	1218.0	900.0	5.0	*
3. SE 164E	*	1282.0	952.0	5.0	*
4. SE 256E	*	1361.0	998.0	5.0	*
5. SE MIDE	*	1519.0	1066.0	5.0	*
6. SE 82S	*	1189.0	806.0	5.0	*
7. SE 164S	*	1243.0	737.0	5.0	*
8. SE 256S	*	1302.0	659.0	5.0	*
9. SE MIDS	*	1392.0	547.0	5.0	*
10. NE COR	*	1066.0	988.0	5.0	*
11. NE 82N	*	1004.0	1024.0	5.0	*
12. NE 164N	*	952.0	1086.0	5.0	*
13. NE 256N	*	898.0	1154.0	5.0	*
14. NE MIDN	*	757.0	1338.0	5.0	*
15. NE 82E	*	1115.0	1003.0	5.0	*
16. NE 164E	*	1181.0	1050.0	5.0	*
17. NE 256E	*	1255.0	1089.0	5.0	*
18. NE MIDE	*	1519.0	1186.0	5.0	*
19. SW COR	*	1069.0	692.0	5.0	*
20. SW 82S	*	1120.0	667.0	5.0	*
21. SW 164S	*	1172.0	602.0	5.0	*
22. SW 256S	*	1225.0	536.0	5.0	*
23. SW MIDS	*	1293.0	449.0	5.0	*
24. SW 82W	*	1013.0	662.0	5.0	*
25. SW 164W	*	976.0	589.0	5.0	*
26. SW 256W	*	926.0	497.0	5.0	*
27. SW MIDW	*	852.0	357.0	5.0	*
28. NW COR	*	955.0	836.0	5.0	*
29. NW 82N	*	931.0	911.0	5.0	*
30. NW 164N	*	879.0	975.0	5.0	*
31. NW 256N	*	818.0	1052.0	5.0	*
32. NW MIDN	*	635.0	1305.0	5.0	*
33. NW 82W	*	950.0	775.0	5.0	*
34. NW 164W	*	903.0	691.0	5.0	*
35. NW 256W	*	856.0	596.0	5.0	*

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# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
36. NW MIDW	*	761.0	411.0	5.0	*

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JOB: S15 MD450&MD410 NB15AM

RUN: MD450&MD410

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.5	.5	.5	.4	.2	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.4	.3
5.	.6	.5	.5	.4	.2	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.3	.5
10.	.6	.5	.5	.4	.2	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.3	.7
15.	.6	.5	.5	.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.4	.7
20.	.5	.5	.5	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.4	.7
25.	.4	.5	.4	.4	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.4	.6
30.	.4	.5	.4	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.0	.3	.6
35.	.3	.4	.3	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.6	.0	.3	.6
40.	.2	.3	.4	.3	.2	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	.2	.8	.0	.3	.5
45.	.1	.3	.3	.3	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	.3	.9	.0	.4	.5
50.	.0	.2	.2	.2	.3	.0	.0	.0	.0	.2	.1	.0	.0	.0	.3	.4	1.0	.0	.3	.5
55.	.0	.1	.2	.2	.3	.0	.0	.0	.0	.2	.1	.0	.0	.0	.5	.4	1.1	.0	.3	.5
60.	.0	.1	.1	.2	.2	.0	.0	.0	.0	.3	.1	.0	.0	.0	.5	.5	1.2	.0	.3	.5
65.	.0	.0	.1	.1	.2	.0	.0	.0	.0	.4	.2	.1	.0	.0	.5	.6	1.1	.1	.3	.5
70.	.0	.0	.1	.1	.2	.0	.0	.0	.0	.4	.2	.1	.0	.0	.5	.7	1.3	.2	.3	.5
75.	.0	.0	.0	.1	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.7	1.2	.2	.3	.5
80.	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.7	1.2	.2	.3	.5
85.	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.7	1.1	.3	.3	.5
90.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.1	.0	.6	.8	1.0	.3	.3	.5
95.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.8	.9	.3	.4	.4

100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.1	.6	.8	1.0	.3	.3	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.1	.7	.7	1.0	.4	.3	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.1	.1	.6	.7	1.0	.4	.4	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.1	.1	.6	.6	.9	.4	.3	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.1	.7	.6	.9	.4	.3	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.2	.1	.8	.6	1.0	.4	.3	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.2	.2	.8	.6	1.0	.3	.3	.4
135.	*	.0	.0	.0	.0	.0	.2	.1	.1	.2	.4	.5	.2	.2	.2	.8	.6	1.0	.3	.2	.3
140.	*	.1	.0	.0	.0	.0	.3	.2	.3	.2	.5	.6	.4	.3	.8	.6	1.0	.3	.2	.3	
145.	*	.1	.1	.0	.0	.0	.5	.3	.4	.3	.8	.7	.4	.4	.3	.9	.6	1.0	.3	.1	.2
150.	*	.3	.1	.0	.0	.0	.6	.3	.5	.4	.8	.6	.4	.5	.3	1.0	.7	.9	.3	.0	.1
155.	*	.4	.2	.1	.0	.0	.8	.3	.4	.5	.7	.4	.3	.5	.4	1.2	.7	.9	.3	.0	.1
160.	*	.4	.2	.1	.0	.0	.8	.4	.5	.5	.7	.4	.6	.4	.4	1.2	.8	1.0	.3	.0	.0
165.	*	.5	.3	.1	.0	.0	.8	.5	.5	.5	.5	.5	.5	.4	.4	1.2	.9	.9	.3	.0	.0
170.	*	.5	.4	.1	.0	.0	1.0	.5	.5	.4	.4	.4	.4	.4	1.1	1.0	.9	.3	.0	.0	
175.	*	.6	.4	.1	.0	.0	1.0	.6	.5	.5	.4	.5	.5	.4	.8	1.1	.9	.3	.0	.0	
180.	*	.6	.4	.1	.0	.0	1.0	.7	.5	.5	.4	.5	.5	.5	.4	.7	1.2	1.0	.3	.0	.0
185.	*	.6	.4	.1	.0	.0	1.0	.8	.5	.5	.4	.6	.5	.5	.4	.5	1.1	1.0	.3	.0	.0
190.	*	.6	.4	.2	.0	.0	1.0	.8	.5	.5	.5	.7	.6	.5	.4	.5	1.0	1.2	.3	.0	.0
195.	*	.6	.4	.1	.0	.0	1.0	.8	.5	.5	.5	.7	.5	.5	.5	.6	.8	1.3	.2	.0	.0
200.	*	.6	.3	.1	.0	.0	.9	.8	.5	.5	.4	.6	.5	.4	.5	.6	.7	1.4	.2	.0	.0
205.	*	.4	.3	.1	.0	.0	.9	.8	.4	.4	.5	.7	.4	.4	.5	.6	.9	1.5	.3	.0	.0

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JOB: S15 MD450&MD410 NB15AM

RUN: MD450&MD410

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WIND	* CONCENTRATION																				
ANGLE	(PPM)																				
(DEGR)	* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.5	.4	.1	.0	.0	.8	.8	.4	.4	.6	.6	.4	.4	.5	.6	.7	1.6	.4	.1	.0
215.	*	.4	.3	.2	.0	.0	.9	.7	.4	.4	.5	.5	.4	.4	.5	.4	.7	1.5	.4	.1	.1
220.	*	.7	.4	.2	.1	.0	.9	.8	.4	.4	.4	.5	.4	.4	.4	.3	.5	1.4	.4	.3	.1
225.	*	.7	.5	.2	.1	.0	1.0	.8	.4	.4	.3	.5	.4	.4	.4	.4	.3	1.2	.5	.4	.1
230.	*	.7	.5	.2	.1	.0	1.1	.9	.4	.4	.3	.5	.4	.4	.4	.3	.4	1.0	.5	.4	.1
235.	*	.7	.4	.3	.2	.0	1.1	.9	.5	.4	.3	.4	.4	.4	.4	.3	.2	.8	.5	.4	.2
240.	*	.7	.2	.3	.4	.1	1.0	.9	.5	.4	.4	.4	.4	.4	.4	.3	.2	.5	.5	.4	.2
245.	*	.5	.2	.4	.4	.2	1.0	.9	.5	.4	.4	.4	.4	.4	.3	.3	.2	.4	.5	.4	.2
250.	*	.4	.2	.4	.5	.2	.9	.9	.5	.4	.4	.4	.4	.4	.3	.2	.2	.3	.5	.3	.2
255.	*	.4	.4	.5	.6	.2	.7	1.0	.5	.5	.3	.4	.4	.4	.3	.2	.2	.3	.5	.4	.2
260.	*	.4	.5	.7	.6	.2	.7	1.1	.5	.4	.3	.4	.4	.4	.3	.2	.2	.2	.5	.3	.2
265.	*	.3	.6	.7	.6	.4	.5	1.0	.5	.5	.3	.4	.4	.4	.3	.2	.2	.2	.3	.3	.2
270.	*	.4	.6	.8	.5	.5	.5	1.0	.4	.5	.3	.4	.4	.4	.3	.2	.2	.2	.3	.3	.2
275.	*	.6	.7	.7	.5	.5	.4	1.1	.5	.5	.3	.4	.4	.4	.3	.2	.2	.2	.3	.4	.3
280.	*	.5	.8	.7	.5	.4	.3	1.1	.5	.5	.3	.4	.4	.4	.3	.2	.2	.2	.3	.4	.3
285.	*	.5	.8	.7	.5	.5	.4	1.0	.5	.5	.3	.4	.4	.4	.3	.2	.2	.2	.2	.7	.3
290.	*	.7	.8	.8	.5	.5	.4	.9	.6	.5	.3	.4	.4	.4	.4	.2	.2	.0	.2	.7	.4
295.	*	.7	.8	.6	.4	.5	.4	.8	.6	.5	.4	.4	.4	.4	.3	.2	.2	.0	.2	.6	.4
300.	*	.7	.8	.5	.4	.6	.4	.7	.8	.5	.4	.4	.5	.3	.2	.2	.0	.0	.2	.6	.4
305.	*	.7	.8	.4	.4	.6	.5	.7	.7	.6	.2	.5	.4	.3	.2	.2	.0	.0	.2	.6	.3
310.	*	.9	.9	.4	.4	.5	.5	.5	.5	.6	.2	.4	.4	.3	.2	.2	.0	.0	.2	.5	.4
315.	*	.9	.7	.4	.4	.4	.5	.5	.6	.4	.2	.3	.3	.2	.2	.0	.0	.0	.2	.6	.3
320.	*	.9	.7	.5	.4	.4	.7	.6	.5	.3	.1	.3	.2	.2	.2	.0	.0	.0	.2	.6	.4
325.	*	.7	.7	.5	.4	.3	.7	.4	.3	.3	.1	.2	.2	.2	.1	.0	.0	.0	.2	.5	.5
330.	*	.6	.7	.4	.4	.3	.6	.2	.2	.1	.0	.1	.1	.1	.0	.0	.0	.0	.2	.6	.5
335.	*	.6	.7	.4	.5	.3	.6	.2	.1	.1	.0	.1	.1	.1	.0	.0	.0	.0	.1	.5	.5
340.	*	.6	.7	.4	.4	.3	.5	.2	.1	.1	.0	.0	.1	.1	.0	.0	.0	.0	.1	.5	.5
345.	*	.6	.6	.4	.4	.3	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.5
350.	*	.7	.6	.5	.4	.3	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	.5	.4	.4
355.	*	.7	.6	.5	.4	.3	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	.4	.3	.3
360.	*	.5	.5	.5	.4	.2	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	.4	.3	.3
MAX	*	.9	.9	.8	.6	.6	1.1	1.1	.8	.6	.8	.7	.6	.5	.5	1.2	1.2	1.6	.5	.7	.7
DEGR.	*	310	310	270	255	300	230	260	300	305	145	145	160	150	195	155	180	210	225	285	10

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JOB: S15 MD450&MD410 NB15AM

RUN: MD450&MD410

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION																
ANGLE	(PPM)																
(DEGR)	* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																
0.	*	.6	.6	.5	1.0	.6	.5	.6	.6	.9	.6	.6	.3	.4	.1	.1	.1
5.	*	.6	.6	.5	.8	.6	.4	.5	.7	.9	.6	.6	.3	.3	.1	.1	.2
10.	*	.6	.6	.5	.7	.4	.4	.4	.6	.9	.6	.6	.3	.3	.1	.2	.2
15.	*	.6	.5	.4	.6	.5	.5	.4	.6	.8	.6	.6	.2	.3	.1	.2	.3
20.	*	.6	.5	.4	.6	.4	.6	.4	.5	.8	.6	.6	.2	.3	.2	.2	.3
25.	*	.6	.4	.4	.8	.4	.4	.5	.5	.8	.6	.6	.2	.5	.4	.4	.4
30.	*	.6	.4	.4	.6	.2	.3	.2	.6	.8	.6	.6	.2	.3	.3	.4	.6
35.	*	.5	.4	.4	.3	.2	.2	.2	.5	.8	.6	.6	.2	.3	.4	.6	.7
40.	*	.5	.4	.4	.3	.3	.1	.0	.6	.8	.6	.6	.2	.6	.4	.7	.8
45.	*	.5	.4	.4	.4	.2	.0	.0	.7	1.0	.6	.6	.2	.7	.5	.7	.8
50.	*	.4	.4	.4	.3	.2	.0	.0	.5	1.0	.6	.6	.2	.7	.6	.8	.6
55.	*	.4	.4	.4	.2	.2	.0	.0	.6	1.1	.7	.6	.2	.7	.7	.7	.6

60.	*	.4	.4	.4	.2	.2	.0	.0	.7	1.1	.7	.6	.2	.5	.6	.7	.6
65.	*	.4	.4	.4	.2	.1	.0	.0	.7	1.2	.7	.6	.2	.4	.6	.7	.7
70.	*	.4	.4	.4	.2	.1	.0	.0	.6	1.2	.7	.7	.2	.3	.6	.5	.7
75.	*	.4	.4	.4	.2	.1	.0	.0	.5	1.4	.9	.7	.2	.3	.9	.5	.6
80.	*	.4	.4	.4	.2	.1	.0	.0	.5	1.4	.9	.7	.2	.4	.8	.5	.6
85.	*	.4	.4	.4	.1	.1	.0	.0	.3	1.2	.9	.7	.2	.5	.6	.5	.6
90.	*	.4	.4	.4	.2	.1	.0	.0	.2	1.1	.8	.7	.3	.6	.6	.5	.6
95.	*	.4	.4	.4	.2	.1	.0	.0	.2	1.1	.8	.7	.4	.6	.6	.5	.6
100.	*	.4	.4	.4	.2	.1	.0	.0	.4	1.0	1.1	.7	.5	.7	.6	.5	.6
105.	*	.4	.4	.4	.2	.1	.0	.0	.5	.9	1.0	.7	.5	.9	.6	.5	.6
110.	*	.4	.4	.4	.2	.1	.0	.0	.5	.6	1.0	.7	.6	.9	.6	.5	.6
115.	*	.4	.3	.4	.2	.1	.0	.0	.6	.6	.9	.7	.7	.8	.6	.5	.6
120.	*	.3	.5	.5	.2	.2	.0	.0	.6	.8	.8	.6	.7	.8	.7	.5	.6
125.	*	.4	.5	.5	.2	.2	.0	.0	.5	.9	.9	.6	.7	.8	.7	.5	.6
130.	*	.5	.5	.5	.2	.0	.0	.0	.5	.6	.8	.6	.6	.8	.5	.5	.6
135.	*	.3	.4	.4	.2	.0	.0	.0	.5	.5	.8	.7	.6	.8	.5	.5	.6
140.	*	.3	.3	.4	.0	.0	.0	.0	.5	.5	.5	.6	.6	.7	.5	.5	.6
145.	*	.3	.3	.3	.0	.0	.0	.0	.5	.5	.5	.2	.4	.6	.5	.5	.6
150.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.3	.1	.4	.5	.5	.5	.6
155.	*	.1	.1	.1	.0	.0	.0	.0	.4	.2	.2	.0	.2	.5	.5	.5	.6
160.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.0	.1	.5	.5	.5	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.1	.1	.5	.5	.4	.7
170.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.6	.5	.5	.7
175.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.5	.6	.5	.7
180.	*	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.5	.6	.6	.7
185.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.5	.6	.6
190.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.5	.7	.7
195.	*	.0	.0	.0	.0	.0	.1	.1	.3	.2	.1	.0	.0	.5	.5	.7	.7
200.	*	.0	.0	.0	.2	.0	.1	.1	.3	.1	.1	.0	.0	.5	.5	.6	.7
205.	*	.0	.0	.0	.2	.3	.2	.2	.3	.1	.0	.0	.0	.5	.5	.6	.5

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JOB: S15 MD450&MD410 NB15AM

RUN: MD450&MD410

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.3	.2	.3	.1	.1	.0	.0	.0	.4	.4	.4	.4
215.	*	.0	.0	.0	.4	.5	.2	.3	.1	.0	.0	.0	.0	.2	.2	.2	.3
220.	*	.0	.0	.0	.4	.5	.4	.4	.1	.0	.0	.0	.0	.1	.1	.2	.2
225.	*	.1	.0	.0	.4	.5	.5	.4	.0	.0	.0	.0	.0	.1	.1	.1	.1
230.	*	.1	.0	.0	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.1	.1	.1
235.	*	.1	.1	.0	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1
240.	*	.1	.1	.0	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1
245.	*	.1	.1	.0	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1
250.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.1	.1	.1	.4	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.1	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.1	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.1	.0	.0	.3	.4	.4	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0
310.	*	.2	.1	.1	.3	.4	.4	.4	.0	.1	.1	.1	.1	.0	.0	.0	.0
315.	*	.4	.2	.1	.4	.4	.4	.4	.1	.3	.1	.1	.1	.0	.0	.0	.0
320.	*	.4	.2	.2	.5	.4	.4	.4	.1	.4	.2	.2	.2	.1	.0	.0	.0
325.	*	.4	.3	.3	.6	.4	.4	.4	.2	.6	.4	.3	.2	.1	.0	.0	.0
330.	*	.5	.3	.3	.7	.4	.4	.4	.3	.9	.6	.4	.3	.1	.0	.0	.0
335.	*	.4	.4	.4	.6	.5	.4	.4	.6	.9	.7	.6	.4	.2	.1	.0	.0
340.	*	.4	.4	.6	.7	.5	.4	.4	.6	1.0	.7	.6	.3	.3	.1	.0	.0
345.	*	.4	.5	.6	.8	.4	.5	.5	.6	1.0	.6	.6	.3	.3	.1	.1	.0
350.	*	.5	.6	.6	.8	.5	.5	.5	.6	1.0	.6	.6	.3	.4	.1	.1	.0
355.	*	.6	.6	.6	1.0	.6	.5	.6	.6	.9	.6	.6	.3	.4	.1	.1	.0
360.	*	.6	.6	.5	1.0	.6	.5	.6	.6	.9	.6	.6	.3	.4	.1	.1	.1
MAX	*	.6	.6	.6	1.0	.6	.6	.6	.7	1.4	1.1	.7	.7	.9	.9	.8	.8
DEGR.	*	0	0	340	0	0	20	0	5	75	100	70	115	105	75	50	40

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 210 DEGREES FROM REC17.

THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 75 DEGREES FROM REC29.

THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 155 DEGREES FROM REC15.

S15 MD450&MD410	NB15PM				60.0321.0.0000.000360.30480000					1	1
SE COR		1190.		858.	5.0						
SE 82E		1218.		900.	5.0						
SE 164E		1282.		952.	5.0						
SE 256E		1361.		998.	5.0						
SE MIDE		1519.		1066.	5.0						
SE 82S		1189.		806.	5.0						
SE 164S		1243.		737.	5.0						
SE 256S		1302.		659.	5.0						
SE MIDS		1392.		547.	5.0						
NE COR		1066.		988.	5.0						
NE 82N		1004.		1024.	5.0						
NE 164N		952.		1086.	5.0						
NE 256N		898.		1154.	5.0						
NE MIDN		757.		1338.	5.0						
NE 82E		1115.		1003.	5.0						
NE 164E		1181.		1050.	5.0						
NE 256E		1255.		1089.	5.0						
NE MIDE		1519.		1186.	5.0						
SW COR		1069.		692.	5.0						
SW 82S		1120.		667.	5.0						
SW 164S		1172.		602.	5.0						
SW 256S		1225.		536.	5.0						
SW MIDS		1293.		449.	5.0						
SW 82W		1013.		662.	5.0						
SW 164W		976.		589.	5.0						
SW 256W		926.		497.	5.0						
SW MIDW		852.		357.	5.0						
NW COR		955.		836.	5.0						
NW 82N		931.		911.	5.0						
NW 164N		879.		975.	5.0						
NW 256N		818.		1052.	5.0						
NW MIDN		635.		1305.	5.0						
NW 82W		950.		775.	5.0						
NW 164W		903.		691.	5.0						
NW 256W		856.		596.	5.0						
NW MIDW		761.		411.	5.0						
MD450&MD410				52	1	0					
EBL	MD450	AG	1069.	845.	958.	670.	170	3.7	0	32	32
EBL	MD450	AG	1017.	764.	961.	675.	0.	12	1		
	90	77	2.0	170	37.8	1770	1	3			
EBL	MD450	AG	958.	670.	859.	473.	170	3.7	0	32	32
EBT	MD450	AG	1095.	823.	995.	696.	1530	3.7	0	56	32
EBT	MD450	AG	1042.	755.	997.	698.	0.	36	3		
	90	55	2.0	1530	37.8	1695	1	3			
EBT&R	MD450	AG	995.	696.	874.	467.	2115	3.7	0	56	32
EBR	MD450	AG	1133.	691.	1074.	714.	585	3.7	0	32	32
EBR	MD450	AG	1073.	714.	995.	693.	585	3.7	0	32	32
EBALL	MD450	AG	874.	465.	608.	-42.	2285	3.7	0	56	32
EBDP	MD450	AG	2028.	1122.	1847.	1144.	1935	3.7	0	56	32
EBDP	MD450	AG	1847.	1144.	1674.	1135.	1935	3.7	0	56	32
EBDP	MD450	AG	1674.	1135.	1483.	1091.	1935	3.7	0	56	32
EBDP	MD450	AG	1483.	1091.	1261.	980.	1935	3.7	0		

WBALL	MD450	AG	1445.	1129.	1629.	1179.	1580	3.7	0	56	30
1											
WBALL	MD450	AG	1629.	1179.	1806.	1194.	1580	3.7	0	56	30
1											
WBALL	MD450	AG	1806.	1194.	2009.	1175.	1580	3.7	0	56	30
1											
WBDP	MD450	AG	562.	-19.	962.	726.	1920	3.7	0	56	30
1											
WBDP	MD450	AG	962.	726.	1059.	871.	1920	3.7	0	56	30
1											
NBL	MD410	AG	1081.	839.	1454.	370.	490	4.3	0	32	50
2											
NBL	MD410	AG	1124.	785.	1226.	657.	0.	12	1		
90	66		2.0	490	37.8	1770	1	3			
1											
NBT	MD410	AG	1100.	858.	1470.	388.	680	4.3	0	44	50
2											
NBT	MD410	AG	1143.	803.	1297.	608.	0.	24	2		
90	55		2.0	680	37.8	1770	1	3			
1											
NBR	MD410	AG	1173.	903.	1162.	808.	235	4.3	0	32	50
1											
NBR	MD410	AG	1162.	808.	1264.	665.	235	4.3	0	32	50
2											
NBR	MD410	AG	1164.	805.	1223.	722.	0.	12	1		
90	55		2.0	235	37.8	1783	1	3			
1											
NBR	MD410	AG	1264.	665.	1480.	395.	235	4.3	0	32	50
1											
NBALL	MD410	AG	1471.	387.	1707.	72.	2000	4.3	0	56	50
1											
NBDP	MD410	AG	465.	1643.	672.	1384.	1405	4.3	0	44	50
1											
NBDP	MD410	AG	673.	1385.	1097.	857.	1405	4.3	0	56	50
1											
SBL	MD410	AG	1068.	841.	757.	1226.	170	4.3	0	44	50
2											
SBL	MD410	AG	1011.	911.	896.	1054.	0.	24	2		
90	76		2.0	170	37.8	1583	1	3			
1											
SBT	MD410	AG	1058.	809.	737.	1210.	900	4.3	0	44	50
2											
SBT	MD410	AG	993.	890.	861.	1055.	0.	24	2		
90	65		2.0	900	37.8	1770	1	3			
1											
SBR	MD410	AG	970.	742.	978.	871.	240	4.3	0	32	50
1											
SBR	MD410	AG	978.	872.	730.	1202.	240	4.3	0	32	50
2											
SBR	MD410	AG	967.	887.	898.	978.	0.	12	1		
90	65		2.0	240	37.8	1583	1	3			
1											
SBALL	MD410	AG	743.	1217.	568.	1428.	1310	4.3	0	44	50
1											
SBALL	MD410	AG	569.	1426.	423.	1608.	1310	4.3	0	56	50
1											
SBDP	MD410	AG	1658.	38.	1061.	808.	1730	4.3	0	56	50
1.0	04	1000	0Y	5	0	72					

JOB: S15 MD450&MD410 NB15PM  
DATE: 09/22/2007 TIME: 01:16:32.65

RUN: MD450&MD410

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD450	*	1069.0	845.0	958.0	670.0	*	207.	212. AG	170.	3.7	.0	32.0		
2. EBL	MD450	*	1017.0	764.0	951.8	660.3	*	122.	212. AG	87.	100.0	.0	12.0	.97	6.2
3. EBL	MD450	*	958.0	670.0	859.0	473.0	*	220.	207. AG	170.	3.7	.0	32.0		
4. EBT	MD450	*	1095.0	823.0	995.0	696.0	*	162.	218. AG	1530.	3.7	.0	56.0		
5. EBT	MD450	*	1042.0	755.0	929.0	611.9	*	182.	218. AG	186.	100.0	.0	36.0	.87	9.3
6. EBT&R	MD450	*	995.0	696.0	874.0	467.0	*	259.	208. AG	2115.	3.7	.0	56.0		
7. EBR	MD450	*	1133.0	691.0	1074.0	714.0	*	63.	291. AG	585.	3.7	.0	32.0		
8. EBR	MD450	*	1073.0	714.0	995.0	693.0	*	81.	255. AG	585.	3.7	.0	32.0		
9. EBALL	MD450	*	874.0	465.0	608.0	-42.0	*	573.	208. AG	2285.	3.7	.0	56.0		
10. EBDP	MD450	*	2028.0	1122.0	1847.0	1144.0	*	182.	277. AG	1935.	3.7	.0	56.0		
11. EBDP	MD450	*	1847.0	1144.0	1674.0	1135.0	*	173.	267. AG	1935.	3.7	.0	56.0		
12. EBDP	MD450	*	1674.0	1135.0	1483.0	1091.0	*	196.	257. AG	1935.	3.7	.0	56.0		
13. EBDP	MD450	*	1483.0	1091.0	1261.0	980.0	*	248.	243. AG	1935.	3.7	.0	56.0		
14. EBDP	MD450	*	1261.0	980.0	1089.0	833.0	*	226.	229. AG	1935.	3.7	.0	56.0		
15. WBLT	MD450	*	1081.0	856.0	1199.0	972.0	*	165.	45. AG	245.	3.7	.0	44.0		
16. WBL	MD450	*	1124.0	898.0	1170.6	944.6	*	66.	45. AG	176.	100.0	.0	24.0	.80	3.3
17. WBLT	MD450	*	1199.0	972.0	1305.0	1046.0	*	129.	55. AG	245.	3.7	.0	44.0		
18. WBLT	MD450	*	1305.0	1046.0	1446.0	1109.0	*	154.	66. AG	245.	3.7	.0	44.0		
19. WBT	MD450	*	1059.0	870.0	1183.0	994.0	*	175.	45. AG	1190.	3.7	.0	56.0		
20. WBT	MD450	*	1103.0	914.0	1188.7	999.7	*	121.	45. AG	189.	100.0	.0	36.0	.70	6.2
21. WBT	MD450	*	1183.0	994.0	1322.0	1084.0	*	166.	57. AG	1190.	3.7	.0	56.0		
22. WBT	MD450	*	1322.0	1084.0	1443.0	1129.0	*	129.	70. AG	1960.	3.7	.0	56.0		
23. WBR	MD450	*	991.0	1004.0	1055.0	961.0	*	77.	124. AG	145.	3.7	.0	32.0		
24. WBR	MD450	*	1055.0	961.0	1126.0	978.0	*	73.	77. AG	145.	3.7	.0	32.0		
25. WBR	MD450	*	1126.0	978.0	1222.0	1050.0	*	120.	53. AG	145.	3.7	.0	32.0		
26. WBR	MD450	*	1222.0	1050.0	1321.0	1085.0	*	105.	71. AG	145.	3.7	.0	32.0		
27. WBALL	MD450	*	1445.0	1129.0	1629.0	1179.0	*	191.	75. AG	1580.	3.7	.0	56.0		
28. WBALL	MD450	*	1629.0	1179.0	1806.0	1194.0	*	178.	85. AG	1580.	3.7	.0	56.0		
29. WBALL	MD450	*	1806.0	1194.0	2009.0	1175.0	*	204.	95. AG	1580.	3.7	.0	56.0		
30. WBDP	MD450	*	562.0	-19.0	962.0	726.0	*	846.	28. AG	1920.	3.7	.0	56.0		
31. WBDP	MD450	*	962.0	726.0	1059.0	871.0	*	174.	34. AG	1920.	3.7	.0	56.0		
32. NBL	MD410	*	1081.0	839.0	1454.0	370.0	*	599.	142. AG	490.	4.3	.0	32.0		
33. NBL	MD410	*	1124.0	785.0	1904.3	-194.2	*	1252.	141. AG	74.	100.0	.0	12.0	1.25	63.6
34. NBT	MD410	*	1100.0	858.0	1470.0	388.0	*	598.	142. AG	680.	4.3	.0	44.0		
35. NBT	MD410	*	1143.0	803.0	1206.4	722.8	*	102.	142. AG	124.	100.0	.0	24.0	.56	5.2
36. NBR	MD410	*	1173.0	903.0	1162.0	808.0	*	96.	187. AG	235.	4.3	.0	32.0		
37. NBR	MD410	*	1162.0	808.0	1264.0	665.0	*	176.	145. AG	235.	4.3	.0	32.0		
38. NBR	MD410	*	1164.0	805.0	1204.9	747.4	*	71.	145. AG	62.	100.0	.0	12.0	.38	3.6
39. NBR	MD410	*	1264.0	665.0	1480.0	395.0	*	346.	141. AG	235.	4.3	.0	32.0		
40. NBALL	MD410	*	1471.0	387.0	1707.0	72.0	*	394.	143. AG	2000.	4.3	.0	56.0		
41. NBDP	MD410	*	465.0	1643.0	672.0	1384.0	*	332.	141. AG	1405.	4.3	.0	44.0		
42. NBDP	MD410	*	673.0	1385.0	1097.0	857.0	*	677.	141. AG	1405.	4.3	.0	56.0		
43. SBL	MD410	*	1068.0	841.0	757.0	1226.0	*	495.	321. AG	170.	4.3	.0	44.0		
44. SBL	MD410	*	1011.0	911.0	988.9	938.5	*	35.	321. AG	171.	100.0	.0	24.0	.49	1.8

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RUN: MD450&MD410

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD410	*	1058.0	809.0	737.0	1210.0	*	514.	321. AG	900.	4.3	.0	44.0		
46. SBT	MD410	*	993.0	890.0	591.9	1391.4	*	642.	321. AG	146.	100.0	.0	24.0	1.09	32.6
47. SBR	MD410	*	970.0	742.0	978.0	871.0	*	129.	4. AG	240.	4.3	.0	32.0		
48. SBR	MD410	*	978.0	872.0	730.0	1202.0	*	413.	323. AG	240.	4.3	.0	32.0		
49. SBR	MD410	*	967.0	887.0	915.5	955.0	*	85.	323. AG	73.	100.0	.0	12.0	.65	4.3
50. SBALL	MD410	*	743.0	1217.0	568.0	1428.0	*	274.	320. AG	1310.	4.3	.0	44.0		
51. SBALL	MD410	*	569.0	1426.0	423.0	1608.0	*	233.	321. AG	1310.	4.3	.0	56.0		
52. SBDP	MD410	*	1658.0	38.0	1061.0	808.0	*	974.	322. AG	1730.	4.3	.0	56.0		

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RUN: MD450&MD410

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD450	*	90	77	2.0	170	1770	37.80	1	3
5. EBT	MD450	*	90	55	2.0	1530	1695	37.80	1	3
16. WBL	MD450	*	90	78	2.0	245	1717	37.80	1	3
20. WBT	MD450	*	90	56	2.0	1190	1695	37.80	1	3
33. NBL	MD410	*	90	66	2.0	490	1770	37.80	1	3
35. NBT	MD410	*	90	55	2.0	680	1770	37.80	1	3



38.	NBR	MD410	*	90	55	2.0	235	1783	37.80	1	3
44.	SBL	MD410	*	90	76	2.0	170	1583	37.80	1	3
46.	SBT	MD410	*	90	65	2.0	900	1770	37.80	1	3
49.	SBR	MD410	*	90	65	2.0	240	1583	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1190.0	858.0	5.0	*
2. SE 82E	*	1218.0	900.0	5.0	*
3. SE 164E	*	1282.0	952.0	5.0	*
4. SE 256E	*	1361.0	998.0	5.0	*
5. SE MIDE	*	1519.0	1066.0	5.0	*
6. SE 82S	*	1189.0	806.0	5.0	*
7. SE 164S	*	1243.0	737.0	5.0	*
8. SE 256S	*	1302.0	659.0	5.0	*
9. SE MIDS	*	1392.0	547.0	5.0	*
10. NE COR	*	1066.0	988.0	5.0	*
11. NE 82N	*	1004.0	1024.0	5.0	*
12. NE 164N	*	952.0	1086.0	5.0	*
13. NE 256N	*	898.0	1154.0	5.0	*
14. NE MIDN	*	757.0	1338.0	5.0	*
15. NE 82E	*	1115.0	1003.0	5.0	*
16. NE 164E	*	1181.0	1050.0	5.0	*
17. NE 256E	*	1255.0	1089.0	5.0	*
18. NE MIDE	*	1519.0	1186.0	5.0	*
19. SW COR	*	1069.0	692.0	5.0	*
20. SW 82S	*	1120.0	667.0	5.0	*
21. SW 164S	*	1172.0	602.0	5.0	*
22. SW 256S	*	1225.0	536.0	5.0	*
23. SW MIDS	*	1293.0	449.0	5.0	*
24. SW 82W	*	1013.0	662.0	5.0	*
25. SW 164W	*	976.0	589.0	5.0	*
26. SW 256W	*	926.0	497.0	5.0	*
27. SW MIDW	*	852.0	357.0	5.0	*
28. NW COR	*	955.0	836.0	5.0	*
29. NW 82N	*	931.0	911.0	5.0	*
30. NW 164N	*	879.0	975.0	5.0	*
31. NW 256N	*	818.0	1052.0	5.0	*
32. NW MIDN	*	635.0	1305.0	5.0	*
33. NW 82W	*	950.0	775.0	5.0	*
34. NW 164W	*	903.0	691.0	5.0	*
35. NW 256W	*	856.0	596.0	5.0	*

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# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
36. NW MIDW	*	761.0	411.0	5.0	*

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JOB: S15 MD450&MD410 NB15PM

RUN: MD450&MD410

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.3	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
5.	*	.3	.3	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7
10.	*	.3	.3	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
15.	*	.2	.3	.2	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
20.	*	.2	.4	.3	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
25.	*	.3	.4	.4	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
30.	*	.2	.3	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
35.	*	.2	.3	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
40.	*	.2	.3	.4	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
45.	*	.2	.2	.4	.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
50.	*	.1	.2	.3	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
55.	*	.1	.2	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
60.	*	.1	.2	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.5	.4
65.	*	.0	.1	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.5	.3
70.	*	.0	.0	.1	.2	.3	.0	.0	.0	.0	.2	.0	.0	.0	.3	.2	.1	.1	.5	.3
75.	*	.0	.0	.1	.1	.3	.0	.0	.0	.0	.3	.0	.0	.0	.3	.2	.1	.2	.5	.3
80.	*	.0	.0	.0	.1	.2	.0	.0	.0	.0	.3	.0	.0	.0	.3	.3	.2	.2	.5	.3
85.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.3	.0	.0	.0	.4	.3	.3	.2	.4	.3
90.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.1	.0	.0	.4	.2	.3	.2	.4	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.5	.2	.3	.4	.4	.3

100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.6	.2	.3	.5	.3	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.1	.0	.0	.5	.2	.3	.5	.3	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.0	.0	.5	.2	.3	.4	.3	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.0	.0	.5	.2	.2	.3	.3	.4
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.1	.0	.6	.2	.2	.3	.3	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.2	.1	.7	.2	.2	.3	.3	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.1	.7	.2	.2	.3	.3	.4
135.	*	.0	.0	.0	.0	.0	.0	.0	.1	.6	.4	.2	.2	.1	.7	.2	.2	.3	.3	.4	.4
140.	*	.0	.0	.0	.0	.0	.3	.2	.2	.6	.6	.4	.3	.3	.7	.2	.2	.3	.2	.3	.4
145.	*	.2	.0	.0	.0	.3	.3	.4	.3	.7	.6	.4	.3	.3	.8	.2	.2	.3	.1	.2	.2
150.	*	.2	.1	.0	.0	.4	.3	.4	.4	.7	.4	.4	.5	.3	1.0	.3	.2	.3	.1	.1	.1
155.	*	.3	.2	.0	.0	.5	.3	.3	.4	.8	.4	.4	.5	.5	1.0	.3	.2	.3	.0	.1	.1
160.	*	.3	.2	.0	.0	.5	.3	.3	.4	.6	.3	.5	.5	.6	1.0	.5	.2	.3	.0	.0	.0
165.	*	.4	.2	.1	.0	.6	.3	.3	.4	.6	.5	.6	.6	.5	1.1	.6	.2	.3	.0	.0	.0
170.	*	.4	.2	.1	.0	.6	.3	.3	.3	.5	.6	.5	.7	.5	.8	.6	.2	.3	.0	.0	.0
175.	*	.5	.2	.1	.0	.6	.3	.3	.3	.3	.6	.5	.5	.5	.7	.8	.4	.3	.0	.0	.0
180.	*	.5	.3	.1	.0	.6	.3	.3	.3	.5	.7	.6	.5	.4	.7	.8	.3	.3	.0	.0	.0
185.	*	.6	.3	.1	.0	.7	.3	.3	.3	.3	.7	.7	.5	.4	.6	.7	.3	.3	.0	.0	.0
190.	*	.6	.3	.1	.0	.7	.3	.3	.3	.3	.7	.6	.5	.5	.7	.8	.3	.3	.0	.0	.0
195.	*	.6	.3	.1	.0	.7	.3	.3	.3	.4	.7	.6	.5	.5	.6	.7	.3	.4	.0	.0	.0
200.	*	.6	.2	.1	.0	.7	.3	.3	.3	.4	.7	.5	.5	.5	.6	.8	.3	.4	.0	.0	.0
205.	*	.4	.2	.2	.0	.7	.3	.3	.3	.5	.6	.5	.5	.5	.6	.9	.4	.4	.1	.0	.0

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JOB: S15 MD450&MD410 NB15PM

RUN: MD450&MD410

PAGE 6

WIND	* CONCENTRATION																				
ANGLE	(PPM)																				
(DEGR)	* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.5	.3	.2	.0	.0	.7	.3	.3	.3	.6	.5	.5	.5	.5	.6	.7	.6	.3	.3	.0
215.	*	.5	.5	.3	.0	.0	.8	.3	.3	.3	.4	.5	.5	.5	.5	.4	.7	.7	.3	.3	.1
220.	*	.6	.5	.3	.0	.0	1.0	.3	.3	.3	.3	.5	.5	.5	.5	.2	.4	.6	.4	.4	.2
225.	*	.7	.5	.3	.3	.0	1.0	.3	.3	.3	.3	.5	.5	.5	.5	.2	.3	.4	.4	.4	.2
230.	*	.6	.5	.3	.3	.0	1.0	.4	.3	.3	.3	.5	.5	.5	.5	.3	.2	.3	.4	.4	.3
235.	*	.5	.5	.3	.3	.1	1.1	.5	.3	.3	.3	.5	.5	.5	.5	.3	.2	.1	.3	.5	.2
240.	*	.6	.4	.3	.3	.1	1.1	.7	.3	.3	.3	.5	.5	.5	.5	.3	.2	.2	.3	.5	.2
245.	*	.5	.4	.5	.4	.1	1.0	.7	.3	.3	.3	.5	.5	.5	.5	.2	.2	.2	.2	.6	.3
250.	*	.4	.3	.5	.5	.2	.7	.7	.3	.3	.2	.5	.5	.5	.5	.2	.2	.1	.2	.5	.3
255.	*	.3	.4	.6	.5	.3	.8	.7	.3	.3	.3	.5	.5	.5	.5	.2	.2	.1	.2	.5	.3
260.	*	.3	.5	.8	.5	.2	.8	.6	.4	.3	.3	.5	.5	.5	.5	.2	.2	.1	.0	.8	.4
265.	*	.3	.8	.9	.5	.3	.8	.6	.4	.3	.3	.5	.5	.5	.5	.2	.2	.1	.0	.8	.4
270.	*	.4	.8	.8	.6	.5	.6	.6	.4	.3	.4	.5	.5	.5	.5	.2	.2	.1	.0	.8	.4
275.	*	.4	.8	.8	.6	.5	.6	.6	.4	.3	.4	.5	.5	.5	.5	.2	.2	.1	.0	.8	.4
280.	*	.4	.9	.6	.6	.4	.4	.8	.4	.3	.5	.5	.5	.4	.4	.2	.2	.1	.0	.8	.5
285.	*	.5	.9	.6	.5	.4	.5	.7	.4	.4	.5	.5	.5	.4	.4	.2	.2	.1	.0	.7	.3
290.	*	.7	.9	.6	.4	.4	.6	.7	.4	.4	.4	.5	.5	.4	.5	.2	.2	.1	.0	.7	.4
295.	*	.7	.9	.5	.4	.3	.5	.6	.4	.4	.4	.6	.5	.6	.5	.2	.2	.0	.0	.7	.4
300.	*	.7	.9	.5	.3	.3	.5	.5	.5	.3	.4	.5	.5	.6	.2	.2	.1	.0	.0	.7	.5
305.	*	.7	1.0	.6	.3	.3	.5	.6	.5	.4	.3	.5	.5	.5	.2	.2	.0	.0	.0	.7	.4
310.	*	.9	1.0	.4	.3	.5	.3	.6	.5	.4	.2	.5	.4	.5	.2	.2	.0	.0	.0	.7	.5
315.	*	.9	.7	.3	.3	.4	.5	.6	.4	.4	.2	.4	.4	.3	.2	.1	.0	.0	.0	.8	.4
320.	*	.9	.6	.3	.3	.3	.6	.6	.4	.2	.2	.3	.3	.3	.2	.0	.0	.0	.0	.8	.6
325.	*	.8	.6	.3	.3	.3	.6	.5	.4	.0	.1	.2	.2	.2	.2	.0	.0	.0	.0	.8	.8
330.	*	.7	.5	.3	.2	.3	.5	.4	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.9	.8
335.	*	.7	.4	.4	.3	.3	.5	.3	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.8	.8
340.	*	.7	.4	.3	.3	.3	.4	.3	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.8	.6
345.	*	.6	.3	.3	.3	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.6
350.	*	.5	.3	.3	.3	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4
355.	*	.5	.4	.3	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5
360.	*	.4	.3	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
MAX	*	.9	1.0	.9	.6	.5	1.1	.8	.5	.4	.8	.7	.7	.7	.6	1.1	.9	.7	.5	.9	.8
DEGR.	*	310	305	265	270	270	235	280	300	150	155	180	185	170	160	165	205	215	100	330	325

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JOB: S15 MD450&MD410 NB15PM

RUN: MD450&MD410

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION																
ANGLE	(PPM)																
(DEGR)	* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																
0.	*	.5	.4	.4	1.3	1.1	.6	.6	.6	.9	.6	.6	.8	.4	.1	.1	.1
5.	*	.4	.3	.3	1.2	1.0	.7	.6	.5	.8	.6	.6	.8	.4	.2	.1	.2
10.	*	.4	.3	.3	1.0	.9	.6	.6	.6	.8	.6	.6	.8	.3	.1	.1	.2
15.	*	.4	.3	.3	1.0	.8	.6	.5	.6	.7	.5	.5	.8	.3	.1	.2	.1
20.	*	.4	.3	.3	.9	.8	.5	.5	.5	.7	.5	.5	.8	.3	.1	.2	.2
25.	*	.3	.3	.3	.9	.4	.4	.5	.5	.7	.5	.5	.8	.4	.2	.1	.3
30.	*	.3	.3	.3	.7	.5	.3	.4	.4	.7	.5	.5	.7	.3	.2	.4	.5
35.	*	.3	.3	.3	.6	.4	.2	.3	.4	.7	.5	.5	.7	.4	.3	.4	.5
40.	*	.3	.3	.3	.4	.3	.2	.2	.5	.7	.5	.5	.7	.4	.3	.6	.5
45.	*	.3	.3	.3	.3	.1	.1	.1	.5	.7	.5	.5	.7	.5	.3	.8	.5
50.	*	.3	.3	.3	.2	.1	.1	.0	.3	.8	.5	.5	.7	.4	.6	.8	.5
55.	*	.3	.3	.3	.2	.1	.1	.0	.4	.8	.5	.5	.7	.4	.6	.8	.6

60.	*	.3	.3	.3	.2	.1	.1	.0	.7	.9	.5	.5	.7	.4	.7	.7	.5
65.	*	.3	.3	.3	.2	.1	.1	.0	.7	.9	.5	.5	.7	.3	.8	.7	.5
70.	*	.3	.3	.3	.2	.1	.1	.0	.7	.9	.5	.5	.8	.4	.8	.8	.5
75.	*	.3	.3	.3	.1	.1	.1	.0	.6	.9	.5	.5	.8	.5	.9	.6	.4
80.	*	.3	.3	.3	.2	.1	.1	.0	.3	1.1	.6	.5	.8	.4	.9	.6	.3
85.	*	.3	.3	.3	.2	.1	.1	.0	.3	1.1	.6	.5	.8	.4	.9	.5	.3
90.	*	.3	.3	.3	.2	.1	.1	.0	.3	1.1	.6	.5	.8	.6	.8	.5	.4
95.	*	.3	.3	.3	.2	.1	.1	.0	.2	1.0	.7	.6	.8	.6	.8	.5	.4
100.	*	.3	.3	.3	.2	.1	.1	.0	.3	.9	.7	.7	.8	.7	.8	.4	.4
105.	*	.4	.4	.5	.2	.1	.1	.0	.4	.8	.9	.7	.9	.8	.8	.4	.4
110.	*	.4	.4	.5	.2	.1	.1	.0	.5	.8	.8	.7	.9	.8	.8	.4	.4
115.	*	.4	.4	.5	.2	.1	.0	.0	.4	.6	.7	.7	.9	.8	.8	.4	.4
120.	*	.4	.5	.5	.2	.1	.0	.0	.4	.6	.7	.6	.9	.8	.8	.3	.4
125.	*	.4	.5	.5	.2	.1	.0	.0	.6	.6	.7	.6	1.0	.9	.7	.3	.4
130.	*	.5	.5	.5	.2	.0	.0	.0	.6	.6	.6	.5	1.0	.9	.7	.3	.4
135.	*	.4	.5	.5	.1	.0	.0	.0	.5	.5	.7	.4	1.0	.9	.6	.3	.4
140.	*	.3	.3	.4	.0	.0	.0	.0	.5	.6	.6	.4	.8	.8	.6	.3	.4
145.	*	.2	.2	.2	.0	.0	.0	.0	.6	.3	.5	.4	.6	.8	.6	.3	.4
150.	*	.1	.1	.1	.0	.0	.0	.0	.6	.3	.4	.2	.4	.8	.5	.3	.4
155.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.1	.1	.2	.8	.5	.3	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.1	.7	.5	.3	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.1	.7	.4	.5	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.0	.0	.7	.5	.5	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.7	.5	.5	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.6	.5	.5
185.	*	.0	.0	.0	.0	.0	.0	.1	.4	.3	.1	.1	.0	.6	.5	.4	.5
190.	*	.0	.0	.0	.1	.0	.1	.1	.4	.1	.1	.0	.0	.6	.5	.4	.6
195.	*	.0	.0	.0	.1	.2	.1	.1	.5	.1	.1	.0	.0	.7	.5	.4	.5
200.	*	.0	.0	.0	.2	.2	.1	.2	.3	.1	.0	.0	.0	.5	.4	.4	.4
205.	*	.0	.0	.0	.4	.3	.4	.3	.2	.1	.0	.0	.0	.4	.4	.4	.4

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JOB: S15 MD450&MD410 NB15PM

RUN: MD450&MD410

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.4	.4	.4	.4	.1	.0	.0	.0	.3	.3	.3	.4	
215.	*	.0	.0	.0	.6	.4	.5	.5	.1	.0	.0	.0	.1	.2	.2	.2	
220.	*	.0	.0	.0	.6	.4	.5	.5	.0	.0	.0	.0	.1	.1	.1	.2	
225.	*	.1	.0	.0	.8	.5	.4	.5	.0	.0	.0	.0	.1	.1	.1	.1	
230.	*	.2	.0	.0	.7	.6	.6	.5	.0	.0	.0	.0	.0	.0	.1	.1	
235.	*	.2	.1	.0	.8	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.1	
240.	*	.2	.1	.0	.9	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	
245.	*	.1	.1	.0	.9	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
250.	*	.2	.0	.0	.9	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
255.	*	.2	.0	.0	.9	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
260.	*	.2	.0	.0	.9	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	
265.	*	.3	.0	.0	.9	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	
270.	*	.3	.0	.0	.9	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	
275.	*	.3	.1	.0	.9	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
280.	*	.3	.1	.0	.9	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
285.	*	.2	.2	.0	.9	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	
290.	*	.2	.1	.0	.9	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	
295.	*	.1	.1	.0	.9	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	
300.	*	.1	.1	.1	.9	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	
305.	*	.1	.1	.1	.9	.6	.3	.4	.0	.1	.1	.0	.1	.0	.0	.0	
310.	*	.1	.2	.2	.9	.6	.3	.4	.0	.1	.1	.1	.2	.0	.0	.0	
315.	*	.3	.3	.2	.9	.6	.3	.3	.1	.3	.2	.1	.3	.0	.0	.0	
320.	*	.3	.3	.3	1.1	.6	.3	.3	.1	.6	.3	.2	.4	.1	.0	.0	
325.	*	.5	.3	.3	1.2	.7	.3	.4	.2	.6	.4	.5	.6	.1	.0	.0	
330.	*	.4	.4	.5	1.0	.8	.3	.4	.3	.8	.7	.5	.8	.1	.0	.0	
335.	*	.4	.4	.4	1.0	.8	.4	.4	.6	.8	.7	.7	.8	.2	.1	.0	
340.	*	.5	.4	.4	1.1	1.0	.5	.4	.6	.9	.7	.6	.9	.3	.1	.0	
345.	*	.5	.5	.4	1.1	1.0	.6	.4	.6	.9	.7	.6	.8	.4	.1	.0	
350.	*	.6	.5	.4	1.1	1.0	.6	.4	.6	.9	.7	.6	.8	.4	.1	.0	
355.	*	.6	.5	.4	1.1	1.1	.6	.5	.6	.9	.6	.6	.8	.4	.1	.0	
360.	*	.5	.4	.4	1.3	1.1	.6	.6	.6	.9	.6	.6	.8	.4	.1	.1	
MAX	*	.6	.5	.5	1.3	1.1	.7	.6	.7	1.1	.9	.7	1.0	.9	.9	.8	
DEGR.	*	350	120	105	0	0	5	0	60	80	105	100	125	125	75	45	55

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 0 DEGREES FROM REC24.

THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 235 DEGREES FROM REC6 .

THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 165 DEGREES FROM REC15.

S15 450&410 LBRT 2015AM			60.0321.0.0000.000360.30450000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345222.	468114.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344912.	468132.	5.		
NE 82N	344861.	468167.	5.		
NE 164N	344808.	468234.	5.		
NE 256N	344755.	468300.	5.		
NE MIDN	344597.	468503.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344521.	468396.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 LBRT 2015AM			53 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	245 3.5 0. 32	29	
2					
EBT	MD450	AG344897.467902.344860.467850.	0. 36 3		
100	65	2.0 590 37.8 1695 1 3			
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
100	84	2.0 245 37.8 1770 1 3			
1					
EBT	MD450	AG344936.467959.344859.467847.	590 3.5 0. 56	29	
1					
EBR	MD450	AG344985.467842.344935.467859.	400 3.5 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	400 3.5 0. 32	29	
1					
EBALL	MD450	AG344853.467847.344433.467130.	1235 3.5 0. 56	29	
1					
EBDP	MD450	AG345880.468271.345659.468292.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345659.468292.345450.468269.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345450.468269.345248.468198.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345248.468198.345050.468067.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345050.468067.344940.467962.	1135 3.5 0. 56	29	
1					
WBL	MD450	AG344933.467991.345099.468146.	415 3.5 0. 32	26	
2					
WBL	MD450	AG344984.468039.345061.468111.	0. 12 1		
100	80	2.0 415 37.8 1717 1 3			
1					
WBT	MD450	AG344906.468011.345078.468163.	1840 3.5 0. 68	26	
2					
WBT	MD450	AG344962.468061.345064.468150.	0. 48 4		
100	61	2.0 1840 37.8 1695 1 3			
1					
WBR	MD450	AG344908.468064.345062.468182.	120 3.5 0. 32	26	
1					
WBALL	MD450	AG345085.468164.345289.468271.	2375 3.5 0. 68	26	
1					
WBALL	MD450	AG345289.468271.345444.468318.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345444.468318.345625.468339.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345625.468339.345867.468318.	2375 3.5 0. 56	26	
1					
WBDP	MD450	AG344373.467163.344906.468011.	2740 3.5 0. 56	26	
1					
NBL	MD410	AG344961.467949.345300.467536.	680 4.3 0. 32	50	
2					
NBL	MD410	AG344986.467918.345091.467791.	0. 12 1		
100	70	2.0 680 37.8 1770 1 3			
1					
NBT	MD410	AG344988.467962.345313.467550.	1320 4.3 0. 56	50	
2					
NBT&R	MD410	AG345012.467931.345167.467735.	0. 36 3		



JOB: S15 450&410 LBRT 2015AM  
 DATE: 10/07/2007 TIME: 00:02:29.45

RUN: S15 450&410 LBRT 2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. EBL	MD450	* 344576.5	467509.4	344503.6	467394.6	*	136.	212. AG	245.	3.5	.0	32.0		
2. EBT	MD450	* 344557.6	467441.5	344517.2	467384.7	*	70.	215. AG	198.	100.0	.0	36.0	.37	3.5
3. EBL	MD450	* 344542.6	467456.5	344268.8	467015.1	*	519.	212. AG	85.	100.0	.0	12.0	1.16	26.4
4. EBT	MD450	* 344596.5	467498.4	344519.6	467386.6	*	136.	215. AG	590.	3.5	.0	55.9		
5. EBR	MD450	* 344645.5	467381.5	344595.5	467398.6	*	53.	289. AG	400.	3.5	.0	32.0		
6. EBR	MD450	* 344595.5	467398.6	344539.6	467380.6	*	59.	252. AG	400.	3.5	.0	32.0		
7. EBALL	MD450	* 344513.6	467386.6	344094.0	466670.3	*	830.	210. AG	1235.	3.5	.0	55.9		
8. EBDP	MD450	* 345539.6	467810.1	345318.8	467831.1	*	222.	275. AG	1135.	3.5	.0	55.9		
9. EBDP	MD450	* 345318.8	467831.1	345110.0	467808.1	*	210.	264. AG	1135.	3.5	.0	55.9		
10. EBDP	MD450	* 345110.0	467808.1	344908.2	467737.2	*	214.	251. AG	1135.	3.5	.0	55.9		
11. EBDP	MD450	* 344908.2	467737.2	344710.4	467606.3	*	237.	237. AG	1135.	3.5	.0	55.9		
12. EBDP	MD450	* 344710.4	467606.3	344600.5	467501.4	*	152.	226. AG	1135.	3.5	.0	55.9		
13. WBL	MD450	* 344593.5	467530.4	344759.3	467685.3	*	227.	47. AG	415.	3.5	.0	32.0		
14. WBL	MD450	* 344644.5	467578.3	345879.7	468734.1	*	1692.	47. AG	81.	100.0	.0	12.0	1.51	85.9
15. WBT	MD450	* 344566.5	467550.4	344738.4	467702.2	*	229.	49. AG	1840.	3.5	.0	67.9		
16. WBT	MD450	* 344622.5	467600.3	344741.1	467703.9	*	158.	49. AG	247.	100.0	.0	48.0	.78	8.0
17. WBR	MD450	* 344568.5	467603.4	344722.4	467721.2	*	194.	53. AG	120.	3.5	.0	32.0		
18. WBALL	MD450	* 344745.4	467703.2	344949.2	467810.1	*	230.	62. AG	2375.	3.5	.0	67.9		
19. WBALL	MD450	* 344949.2	467810.1	345104.0	467857.1	*	162.	73. AG	2375.	3.5	.0	55.9		
20. WBALL	MD450	* 345104.0	467857.1	345284.8	467878.1	*	182.	83. AG	2375.	3.5	.0	55.9		
21. WBALL	MD450	* 345284.8	467878.1	345526.6	467857.1	*	243.	95. AG	2375.	3.5	.0	55.9		
22. WBDP	MD450	* 344034.1	466703.2	344566.5	467550.4	*	1001.	32. AG	2740.	3.5	.0	55.9		
23. NBL	MD410	* 344621.5	467488.5	344960.1	467075.9	*	534.	141. AG	680.	4.3	.0	32.0		
24. NBL	MD410	* 344646.5	467457.5	3446290.3	465468.9	*	2580.	140. AG	71.	100.0	.0	12.0	1.48	131.1
25. NBT	MD410	* 344648.5	467501.4	344973.1	467089.8	*	524.	142. AG	1320.	4.3	.0	55.9		
26. NBT&R	MD410	* 344672.4	467470.5	344763.5	467355.3	*	147.	142. AG	186.	100.0	.0	36.0	.74	7.5
27. NBR	MD410	* 344668.4	467558.4	344684.4	467463.5	*	96.	170. AG	385.	4.3	.0	32.0		
28. NBALL	MD410	* 344975.1	467089.8	345221.9	466780.2	*	396.	141. AG	2000.	4.3	.0	55.9		
29. NBDP	MD410	* 343972.1	468334.6	344639.5	467512.4	*	1059.	141. AG	1300.	4.3	.0	55.9		
30. SBL	MD410	* 344565.5	467520.4	344309.8	467845.1	*	413.	322. AG	160.	4.3	.0	32.0		
31. SBL	MD410	* 344497.6	467609.3	344194.3	467983.1	*	481.	321. AG	89.	100.0	.0	12.0	1.27	24.4
32. SBT&R	MD410	* 344512.6	467556.4	344295.8	467832.1	*	351.	322. AG	875.	4.3	.0	55.9		
33. SBT&R	MD410	* 344471.6	467608.3	344336.8	467780.7	*	219.	322. AG	240.	100.0	.0	36.0	1.00	11.1
34. SBR	MD410	* 344507.6	467461.5	344483.6	467587.4	*	128.	349. AG	220.	4.3	.0	32.0		
35. SBALL	MD410	* 344294.8	467837.1	343930.2	468300.6	*	590.	322. AG	1035.	4.3	.0	55.9		
36. SBDP	MD410	* 345168.9	466738.2	344519.6	467547.4	*	1038.	321. AG	1215.	4.3	.0	55.9		
37. EBDP	450BUS	* 345549.6	467776.2	345397.7	467804.1	*	154.	280. AG	34.	2.4	.0	32.0		
38. EBDP	450BUS	* 345397.7	467804.1	345259.9	467804.1	*	138.	270. AG	34.	2.4	.0	32.0		
39. EBDP	450BUS	* 345259.9	467804.1	345063.1	467771.2	*	200.	260. AG	34.	2.4	.0	32.0		
40. EBDP	450BUS	* 345063.1	467771.2	344874.2	467690.2	*	205.	247. AG	34.	2.4	.0	32.0		
41. EBDP	450BUS	* 344876.2	467690.2	344707.4	467570.4	*	207.	235. AG	34.	2.4	.0	32.0		
42. EBDP	450BUS	* 344707.4	467570.4	344637.5	467511.4	*	91.	230. AG	34.	2.4	.0	32.0		
43. EBDP	450BUS	* 344637.5	467511.4	344598.5	467511.4	*	39.	270. AG	34.	2.4	.0	32.0		
44. SBL	410BUS	* 344597.5	467510.4	343944.2	468316.6	*	1038.	321. AG	34.	1.5	.0	32.0		

JOB: S15 450&410 LBRT 2015AM  
 DATE: 10/07/2007 TIME: 00:02:29.45

RUN: S15 450&410 LBRT 2015AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. SBL	410BUS	* 344532.6	467595.4	344522.1	467607.9	*	16.	320. AG	60.	100.0	.0	12.0	.27	.8
46. NBDP	410BUS	* 343954.2	468320.6	344502.6	467638.3	*	875.	141. AG	34.	1.5	.0	32.0		
47. NBDP	410BUS	* 344503.6	467637.3	344541.6	467617.3	*	43.	118. AG	34.	2.4	.0	32.0		
48. NBDP	410BUS	* 344541.6	467617.3	344584.5	467628.3	*	44.	76. AG	34.	2.4	.0	32.0		
49. WBR	410BUS	* 344586.5	467629.3	344722.4	467738.2	*	174.	51. AG	34.	2.4	.0	32.0		
50. WBR	410BUS	* 344722.4	467738.2	344945.2	467844.1	*	247.	65. AG	34.	2.4	.0	32.0		
51. WBR	410BUS	* 344945.2	467844.1	345174.9	467894.1	*	235.	78. AG	34.	2.4	.0	32.0		
52. WBR	410BUS	* 345174.9	467894.1	345332.8	467904.1	*	158.	86. AG	34.	2.4	.0	32.0		
53. WBR	410BUS	* 345334.8	467904.1	345514.6	467889.0	*	180.	95. AG	34.	2.4	.0	32.0		

JOB: S15 450&410 LBRT 2015AM  
 DATE: 10/07/2007 TIME: 00:02:29.45

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBT	MD450	* 100	65	2.0	590	1695	37.80	1	3
3. EBL	MD450	* 100	84	2.0	245	1770	37.80	1	3
14. WBL	MD450	* 100	80	2.0	415	1717	37.80	1	3
16. WBT	MD450	* 100	61	2.0	1840	1695	37.80	1	3
24. NBL	MD410	* 100	70	2.0	680	1770	37.80	1	3

26.	NBT&R	MD410	*	100	61	2.0	1320	1707	37.80	1	3
31.	SBL	MD410	*	100	88	2.0	160	1583	37.80	1	3
33.	SBT&R	MD410	*	100	79	2.0	875	1707	37.80	1	3
45.	SBL	410BUS	*	100	88	2.0	34	1583	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	344706.4	467517.4	5.0	*
2. SE 82S	*	344723.4	467468.5	5.0	*
3. SE 164S	*	344772.3	467400.6	5.0	*
4. SE 256S	*	344824.3	467329.6	5.0	*
5. SE MIDS	*	344958.1	467174.7	5.0	*
6. SE 82E	*	344744.4	467567.4	5.0	*
7. SE 164E	*	344811.3	467619.3	5.0	*
8. SE 256E	*	344882.2	467653.3	5.0	*
9. SE MIDE	*	345044.1	467724.2	5.0	*
10. NE COR	*	344572.5	467671.3	5.0	*
11. NE 82N	*	344521.6	467706.2	5.0	*
12. NE 164N	*	344468.6	467773.2	5.0	*
13. NE 256N	*	344415.7	467839.1	5.0	*
14. NE MIDN	*	344257.8	468041.9	5.0	*
15. NE 82E	*	344621.5	467686.2	5.0	*
16. NE 164E	*	344692.4	467742.2	5.0	*
17. NE 256E	*	344758.3	467782.2	5.0	*
18. NE MIDE	*	344938.2	467866.1	5.0	*
19. SW COR	*	344606.5	467375.5	5.0	*
20. SW 82S	*	344646.5	467345.6	5.0	*
21. SW 164S	*	344687.4	467295.6	5.0	*
22. SW 256S	*	344739.4	467227.7	5.0	*
23. SW MIDS	*	344854.3	467076.8	5.0	*
24. SW 82W	*	344531.6	467338.6	5.0	*
25. SW 164W	*	344499.6	467280.6	5.0	*
26. SW 256W	*	344455.7	467207.7	5.0	*
27. SW MIDW	*	344356.8	467021.9	5.0	*
28. NW COR	*	344478.6	467510.4	5.0	*
29. NW 82N	*	344438.7	467603.4	5.0	*
30. NW 164N	*	344373.7	467687.3	5.0	*
31. NW 256N	*	344303.8	467779.2	5.0	*
32. NW MIDN	*	344181.9	467935.0	5.0	*
33. NW 82W	*	344461.6	467440.5	5.0	*
34. NW 164W	*	344424.7	467370.6	5.0	*
35. NW 256W	*	344372.7	467291.6	5.0	*
36. NW MIDW	*	344234.9	467103.8	5.0	*

1

JOB: S15 450&410 LBRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	* .6	.3	.1	.0	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
5.	* .4	.2	.1	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
10.	* .4	.2	.1	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
15.	* .4	.3	.1	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8
20.	* .4	.2	.1	.0	.0	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.8
25.	* .4	.2	.1	.0	.0	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8
30.	* .3	.2	.1	.0	.0	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7
35.	* .3	.1	.1	.0	.0	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7
40.	* .3	.1	.0	.0	.0	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7
45.	* .1	.1	.0	.0	.0	.3	.2	.3	.1	.0	.0	.0	.0	.0	.1	.1	.1	.4	.6	.6
50.	* .1	.0	.0	.0	.0	.2	.2	.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	.4	.5	.6
55.	* .0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.2	.1	.1	.5	.5	.6
60.	* .0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.1	.0	.0	.0	.3	.2	.1	.5	.5	.6
65.	* .0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.0	.3	.2	.1	.5	.5	.6
70.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.5	.2	.2	.4	.5	.6
75.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.5	.3	.3	.4	.5	.6
80.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.6	.3	.3	.6	.5	.6
85.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.6	.3	.4	.6	.5	.5
90.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.0	.0	.0	.7	.3	.3	.5	.6	.5
95.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.0	.0	.8	.3	.3	.5	.5	.6
100.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.0	.0	.8	.3	.3	.6	.5	.6
105.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.0	.0	.8	.4	.3	.5	.5	.5
110.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.1	.0	.7	.3	.3	.5	.5	.5
115.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.3	.3	.5	.4	.5
120.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.7	.5	.3	.5	.4	.5
125.	* .0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.4	.4	.2	.0	.7	.6	.3	.5	.4	.5
130.	* .0	.1	.1	.1	.1	.0	.0	.0	.0	.5	.4	.3	.2	.1	.7	.7	.4	.6	.4	.5
135.	* .0	.3	.2	.3	.2	.0	.0	.0	.0	.5	.5	.3	.2	.1	.7	.7	.4	.6	.3	.4
140.	* .3	.3	.2	.4	.2	.0	.0	.0	.0	.6	.7	.4	.4	.3	.7	.7	.4	.6	.3	.4
145.	* .3	.4	.4	.4	.3	.1	.0	.0	.0	.8	.8	.6	.5	.3	1.0	.7	.4	.6	.2	.3
150.	* .4	.6	.4	.5	.4	.1	.0	.0	.0	.8	.8	.4	.4	.4	1.0	.6	.4	.6	.1	.2

155.	*	.5	.7	.4	.5	.5	.2	.1	.0	.0	.7	.6	.3	.4	.4	1.0	.8	.4	.5	.0	.1
160.	*	.6	.8	.6	.5	.5	.2	.1	.0	.0	.7	.4	.4	.5	.4	1.0	.8	.4	.6	.0	.1
165.	*	.7	.9	.6	.5	.5	.4	.1	.0	.0	.4	.4	.5	.6	.4	.9	1.0	.4	.6	.0	.1
170.	*	.7	.9	.6	.5	.4	.4	.0	.0	.0	.4	.4	.5	.7	.4	.8	.9	.5	.6	.0	.0
175.	*	.7	1.0	.7	.5	.4	.4	.1	.0	.0	.5	.4	.6	.8	.5	.7	1.0	.3	.5	.0	.0
180.	*	.7	1.0	.7	.5	.4	.5	.1	.0	.0	.5	.3	.7	.8	.4	.6	.9	.5	.5	.0	.0
185.	*	.7	1.0	.7	.5	.3	.5	.2	.0	.0	.6	.4	.7	.8	.4	.6	.9	.6	.6	.0	.0
190.	*	.6	1.0	.8	.5	.4	.5	.2	.0	.0	.7	.5	.8	.8	.4	.6	.8	.7	.6	.0	.0
195.	*	.6	1.0	.8	.5	.4	.5	.2	.0	.0	.5	.6	.8	.8	.4	.5	.9	.7	.6	.0	.0
200.	*	.6	.9	.8	.5	.4	.4	.2	.1	.0	.4	.6	.8	.7	.4	.6	.7	.7	.6	.0	.0
205.	*	.6	.9	.9	.5	.3	.4	.2	.1	.0	.4	.6	.8	.7	.4	.5	.6	.8	.6	.0	.0

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JOB: S15 450&410 LBRT 2015AM

RUN: S15 450&410 LBRT 2015AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.5	.9	.9	.5	.4	.3	.2	.1	.0	.3	.7	.7	.7	.4	.5	.5	.7	.8	.0	.0
215.	*	.6	.9	.9	.5	.4	.3	.2	.1	.0	.2	.7	.7	.7	.4	.4	.5	.6	.9	.2	.0
220.	*	.7	1.0	1.0	.5	.4	.4	.2	.2	.0	.2	.6	.7	.6	.4	.2	.5	.5	.8	.3	.1
225.	*	.7	1.1	1.0	.5	.5	.5	.2	.2	.0	.2	.7	.7	.6	.3	.2	.4	.5	.8	.3	.2
230.	*	.6	1.1	1.1	.5	.5	.4	.1	.2	.1	.2	.7	.7	.6	.3	.2	.3	.4	.7	.3	.2
235.	*	.5	1.0	1.1	.5	.5	.3	.1	.1	.1	.2	.7	.7	.5	.3	.2	.2	.3	.5	.3	.3
240.	*	.5	1.1	1.1	.6	.5	.3	.1	.1	.1	.5	.7	.7	.5	.3	.2	.2	.2	.4	.3	.3
245.	*	.5	1.1	1.1	.6	.4	.2	.2	.2	.1	.5	.7	.7	.5	.3	.2	.2	.1	.4	.3	.3
250.	*	.4	1.0	1.1	.6	.5	.2	.4	.3	.1	.4	.7	.7	.3	.3	.2	.2	.1	.2	.3	.3
255.	*	.4	1.0	1.1	.6	.4	.3	.5	.3	.1	.5	.7	.7	.3	.3	.4	.2	.1	.1	.3	.3
260.	*	.4	.8	1.1	.6	.5	.3	.5	.5	.3	.6	.7	.7	.3	.3	.4	.2	.1	.1	.4	.3
265.	*	.4	.8	1.2	.6	.5	.4	.7	.6	.4	.6	.7	.6	.3	.3	.4	.2	.1	.0	.4	.2
270.	*	.4	.8	1.2	.7	.5	.5	.7	.6	.4	.6	.7	.6	.3	.3	.4	.2	.1	.0	.3	.2
275.	*	.3	.6	1.2	.7	.5	.5	.8	.6	.4	.7	.7	.6	.3	.3	.4	.2	.1	.0	.4	.3
280.	*	.4	.6	1.2	.7	.5	.6	.8	.6	.3	.7	.7	.4	.4	.3	.4	.2	.0	.0	.4	.3
285.	*	.4	.5	1.1	.8	.5	.7	.8	.6	.3	.6	.6	.4	.4	.3	.4	.1	.0	.0	.4	.3
290.	*	.4	.5	1.0	.8	.5	.8	.8	.4	.3	.5	.6	.4	.4	.3	.3	.1	.0	.0	.4	.3
295.	*	.5	.5	1.1	.9	.5	.9	.8	.4	.3	.5	.5	.3	.4	.3	.3	.1	.0	.0	.5	.3
300.	*	.7	.4	.9	.8	.5	.9	.7	.4	.3	.4	.5	.5	.5	.3	.3	.1	.0	.0	.5	.4
305.	*	.7	.5	.8	.8	.6	.8	.6	.3	.3	.4	.5	.5	.5	.3	.1	.0	.0	.0	.5	.3
310.	*	.7	.6	.7	.8	.5	.7	.5	.3	.4	.4	.4	.5	.4	.2	.1	.0	.0	.0	.5	.4
315.	*	.6	.7	.6	.7	.4	.7	.5	.3	.3	.2	.4	.3	.3	.2	.1	.0	.0	.0	.5	.4
320.	*	.5	.5	.6	.7	.2	.6	.5	.3	.3	.1	.2	.2	.2	.1	.1	.0	.0	.0	.5	.5
325.	*	.6	.4	.4	.5	.2	.6	.4	.3	.3	.1	.2	.2	.2	.1	.0	.0	.0	.0	.6	.6
330.	*	.7	.5	.4	.3	.2	.6	.4	.3	.3	.1	.1	.1	.1	.1	.0	.0	.0	.0	.6	.5
335.	*	.6	.4	.1	.3	.0	.6	.4	.3	.3	.0	.1	.1	.1	.0	.0	.0	.0	.0	.6	.5
340.	*	.6	.4	.1	.1	.0	.6	.3	.3	.3	.0	.1	.1	.1	.0	.0	.0	.0	.0	.6	.4
345.	*	.6	.4	.1	.1	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
350.	*	.6	.4	.1	.1	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
355.	*	.6	.4	.1	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
360.	*	.6	.3	.1	.0	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5

MAX	*	.7	1.1	1.2	.9	.6	.9	.8	.6	.4	.8	.8	.8	.8	.5	1.0	1.0	.8	.9	.6	.8
DEGR.	*	165	225	265	295	305	295	275	265	25	145	145	190	175	175	155	165	205	215	35	15

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JOB: S15 450&410 LBRT 2015AM

RUN: S15 450&410 LBRT 2015AM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.7	.7	.4	.7	.6	.5	.4	.5	1.1	1.1	.5	.3	.5	.3	.2	.0
5.	*	.7	.7	.4	.7	.4	.5	.4	.5	1.1	1.1	.4	.3	.3	.2	.2	.0
10.	*	.7	.5	.4	.8	.4	.5	.4	.4	1.1	1.1	.3	.4	.3	.2	.2	.1
15.	*	.8	.5	.4	.6	.5	.4	.3	.3	1.0	1.0	.3	.4	.3	.3	.2	.1
20.	*	.7	.5	.4	.6	.5	.5	.3	.2	1.0	1.0	.3	.3	.2	.3	.3	.2
25.	*	.7	.4	.4	.6	.3	.5	.3	.2	1.0	1.0	.3	.3	.3	.3	.3	.1
30.	*	.7	.4	.3	.4	.3	.3	.3	.2	1.0	1.0	.3	.3	.4	.5	.5	.2
35.	*	.6	.4	.3	.4	.4	.3	.0	.2	1.0	1.0	.3	.3	.6	.5	.5	.3
40.	*	.6	.4	.4	.4	.5	.2	.0	.4	1.0	1.0	.3	.3	.8	.6	.9	.4
45.	*	.6	.4	.4	.3	.3	.1	.0	.7	1.0	1.0	.3	.3	.8	.8	.9	.4
50.	*	.5	.4	.4	.2	.2	.1	.0	.7	1.0	1.0	.3	.3	.8	.9	.9	.5
55.	*	.5	.4	.4	.2	.2	.1	.0	.7	1.0	1.0	.3	.3	.8	.8	.8	.5
60.	*	.5	.4	.4	.3	.2	.1	.0	.7	1.1	1.0	.4	.3	.7	.7	.7	.5
65.	*	.5	.4	.4	.3	.2	.0	.0	.8	1.1	1.0	.4	.3	.6	.8	.8	.5
70.	*	.4	.4	.3	.3	.1	.0	.0	.7	1.2	1.1	.5	.3	.5	.8	.7	.5
75.	*	.4	.4	.3	.3	.2	.0	.0	.6	1.1	1.1	.5	.3	.5	.9	.7	.5
80.	*	.4	.4	.5	.3	.1	.0	.0	.6	1.1	1.1	.6	.3	.7	1.0	.7	.5
85.	*	.4	.4	.4	.3	.1	.0	.0	.3	1.0	1.1	.6	.3	.7	.8	.5	.5
90.	*	.4	.4	.4	.4	.1	.0	.0	.3	.7	1.1	.7	.5	.9	.8	.5	.5
95.	*	.5	.4	.4	.3	.1	.0	.0	.4	.6	1.2	.9	.5	.9	.8	.5	.5
100.	*	.5	.4	.4	.3	.1	.0	.0	.5	.6	1.2	1.0	.5	.9	.6	.5	.4
105.	*	.5	.4	.4	.3	.1	.0	.0	.5	.6	1.2	1.2	.5	1.0	.6	.5	.4
110.	*	.5	.4	.4	.2	.1	.0	.0	.5	.4	1.3	1.3	.5	1.1	.6	.5	.4



115.	*	.5	.4	.4	.2	.2	.0	.0	.7	.6	1.3	1.3	.6	1.0	.7	.5	.4
120.	*	.5	.6	.4	.2	.2	.0	.0	.8	.6	1.2	1.3	.6	.8	.7	.5	.5
125.	*	.6	.5	.4	.2	.1	.0	.0	.8	.6	1.3	1.2	.6	.8	.6	.5	.5
130.	*	.5	.5	.4	.2	.0	.0	.0	.7	.6	1.2	1.2	.6	.8	.5	.5	.4
135.	*	.5	.5	.4	.1	.0	.0	.0	.6	.6	.9	1.2	.7	.8	.5	.5	.4
140.	*	.4	.3	.3	.0	.0	.0	.0	.7	.5	.8	1.1	.5	.5	.5	.5	.4
145.	*	.3	.3	.2	.0	.0	.0	.0	.6	.5	.6	.7	.3	.6	.5	.5	.4
150.	*	.2	.1	.1	.0	.0	.0	.0	.5	.3	.5	.5	.2	.6	.5	.5	.5
155.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.3	.4	.2	.5	.5	.5	.5
160.	*	.1	.1	.0	.0	.0	.0	.0	.4	.3	.2	.3	.0	.5	.5	.5	.4
165.	*	.1	.0	.0	.0	.0	.0	.0	.4	.3	.1	.2	.0	.5	.6	.6	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.6	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.1	.0	.6	.6	.6	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.6	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.7	.6	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.7	.7	.4
195.	*	.0	.0	.0	.0	.0	.0	.0	.5	.1	.1	.0	.0	.7	.7	.7	.4
200.	*	.0	.0	.0	.1	.0	.1	.0	.5	.1	.1	.0	.0	.7	.7	.7	.3
205.	*	.0	.0	.0	.1	.1	.1	.0	.4	.1	.0	.0	.0	.7	.7	.7	.3

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JOB: S15 450&410 LBRT 2015AM

RUN: S15 450&410 LBRT 2015AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.2	.2	.1	.2	.1	.0	.0	.0	.6	.7	.5	.2
215.	*	.0	.0	.0	.3	.3	.2	.1	.2	.0	.0	.0	.0	.4	.4	.4	.2
220.	*	.0	.0	.0	.5	.4	.4	.2	.1	.0	.0	.0	.0	.3	.4	.3	.1
225.	*	.0	.0	.0	.5	.5	.5	.2	.1	.0	.0	.0	.0	.2	.3	.2	.1
230.	*	.1	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.1	.2	.2	.0
235.	*	.1	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.1	.1	.1	.0
240.	*	.1	.1	.0	.5	.5	.5	.3	.0	.0	.0	.0	.0	.1	.1	.1	.0
245.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
250.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0
255.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.2	.1	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.3	.2	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0
305.	*	.3	.2	.1	.4	.4	.4	.3	.0	.1	.0	.0	.1	.0	.0	.0	.0
310.	*	.3	.3	.1	.4	.4	.4	.3	.0	.3	.2	.1	.1	.0	.0	.0	.0
315.	*	.5	.4	.1	.4	.4	.4	.3	.1	.4	.2	.2	.1	.0	.0	.0	.0
320.	*	.5	.4	.2	.5	.4	.4	.3	.2	.6	.5	.3	.2	.0	.0	.0	.0
325.	*	.6	.4	.2	.6	.4	.4	.3	.4	.8	.7	.4	.2	.1	.0	.0	.0
330.	*	.5	.5	.4	.6	.4	.4	.3	.6	1.1	.8	.4	.3	.1	.0	.0	.0
335.	*	.5	.5	.5	.7	.5	.4	.3	.6	1.2	.9	.4	.3	.2	.0	.0	.0
340.	*	.5	.8	.5	.9	.5	.4	.3	.7	1.3	1.0	.4	.3	.4	.1	.0	.0
345.	*	.5	.6	.5	.9	.5	.5	.4	.6	1.4	1.2	.4	.3	.4	.1	.0	.0
350.	*	.6	.7	.4	.9	.5	.5	.4	.6	1.4	1.2	.5	.3	.5	.3	.1	.0
355.	*	.6	.7	.4	.8	.6	.5	.4	.6	1.2	1.2	.5	.3	.5	.3	.1	.0
360.	*	.7	.7	.4	.7	.6	.5	.4	.5	1.1	1.1	.5	.3	.5	.3	.2	.0

MAX	*	.8	.8	.5	.9	.6	.5	.4	.8	1.4	1.3	1.3	.7	1.1	1.0	.9	.5
DEGR.	*	15	340	80	340	0	0	0	65	345	125	110	135	110	80	40	50

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 345 DEGREES FROM REC29.

THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 125 DEGREES FROM REC30.

THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 110 DEGREES FROM REC31.

S15 450&410 LBRT 2015PM		60.0321.0.0000.000360.30450000		1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345222.	468114.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344912.	468132.	5.		
NE 82N	344861.	468167.	5.		
NE 164N	344808.	468234.	5.		
NE 256N	344755.	468300.	5.		
NE MIDN	344597.	468503.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344521.	468396.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 LBRT 2015PM		53 1 0			
1					
EBL	MD450	AG344916.467970.344843.467855.	170 3.6 0. 32	25	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
90	77	2.0 170 37.8 1770 1 3			
1					
EBT	MD450	AG344936.467959.344859.467847.	1530 3.6 0. 56	25	
2					
EBT	MD450	AG344897.467902.344860.467850.	0. 36 3		
90	55	2.0 1530 37.8 1695 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	585 3.6 0. 32	25	
1					
EBR	MD450	AG344935.467859.344879.467841.	585 3.6 0. 32	25	
1					
EBALL	MD450	AG344853.467847.344433.467130.	2285 3.6 0. 56	25	
1					
EBDP	MD450	AG345880.468271.345659.468292.	1935 3.6 0. 56	25	
1					
EBDP	MD450	AG345659.468292.345450.468269.	1935 3.6 0. 56	25	
1					
EBDP	MD450	AG345450.468269.345248.468198.	1935 3.6 0. 56	25	
1					
EBDP	MD450	AG345248.468198.345050.468067.	1935 3.6 0. 56	25	
1					
EBDP	MD450	AG345050.468067.344940.467962.	1935 3.6 0. 56	25	
1					
WBL	MD450	AG344933.467991.345099.468146.	245 3.6 0. 32	26	
2					
WBL	MD450	AG344984.468039.345061.468111.	0. 12 1		
90	78	2.0 245 37.8 1717 1 3			
1					
WBT	MD450	AG344906.468011.345078.468163.	1190 3.6 0. 68	26	
2					
WBT	MD450	AG344962.468061.345064.468150.	0. 48 4		
90	56	2.0 1190 37.8 1695 1 3			
1					
WBR	MD450	AG344908.468064.345062.468182.	145 3.6 0. 32	26	
1					
WBALL	MD450	AG345085.468164.345289.468271.	1580 3.6 0. 68	26	
1					
WBALL	MD450	AG345289.468271.345444.468318.	1580 3.6 0. 56	26	
1					
WBALL	MD450	AG345444.468318.345625.468339.	1580 3.6 0. 56	26	
1					
WBALL	MD450	AG345625.468339.345867.468318.	1580 3.6 0. 56	26	
1					
WBDP	MD450	AG344373.467163.344906.468011.	1920 3.6 0. 56	26	
1					
NBL	MD410	AG344961.467949.345300.467536.	490 4.3 0. 32	50	
2					
NBL	MD410	AG344986.467918.345091.467791.	0. 12 1		
90	66	2.0 490 37.8 1770 1 3			
1					
NBT&R	MD410	AG344988.467962.345313.467550.	915 4.3 0. 56	50	
2					
NBT&R	MD410	AG345012.467931.345167.467735.	0. 36 3		

	90	55	2.0	915	37.8	1707	1	3		
1										
NBR	MD410		AG345008.468019.345024.467924.		235	4.3	0.	32	50	
1										
NBALL	MD410		AG345315.467550.345562.467240.		1405	4.3	0.	56	50	
1										
NBDP	MD410		AG344311.468796.344979.467973.		995	4.3	0.	56	50	
1										
SBL	MD410		AG344905.467981.344649.468306.		170	4.3	0.	32	50	
2										
SBL	MD410		AG344837.468070.344751.468176.		0.	12	1			
90		76	2.0	170	37.8	1583	1	3		
1										
SBT&R	MD410		AG344852.468017.344635.468293.		1140	4.3	0.	56	50	
2										
SBT&R	MD410		AG344811.468069.344714.468193.		0.	36	3			
90		65	2.0	1140	37.8	1707	1	3		
1										
SBR	MD410		AG344847.467922.344823.468048.		240	4.3	0.	32	50	
1										
SBALL	MD410		AG344634.468298.344269.468762.		1310	4.3	0.	56	50	
1										
SBDP	MD410		AG345509.467198.344859.468008.		1730	4.3	0.	56	50	
1										
EBDP	450BUS		AG345890.468237.345738.468265.		34	2.5	0.	32	26	
1										
EBDP	450BUS		AG345738.468265.345600.468265.		34	2.5	0.	32	26	
1										
EBDP	450BUS		AG345600.468265.345403.468232.		34	2.5	0.	32	26	
1										
EBDP	450BUS		AG345403.468232.345214.468151.		34	2.5	0.	32	26	
1										
EBDP	450BUS		AG345216.468151.345047.468031.		34	2.5	0.	32	26	
1										
EBDP	450BUS		AG345047.468031.344977.467972.		34	2.5	0.	32	26	
1										
EBDP	450BUS		AG344977.467972.344938.467972.		34	2.5	0.	32	26	
1										
SBL	410BUS		AG344937.467971.344283.468778.		34	1.5	0.	32	50	
2										
SBL	410BUS		AG344872.468056.344745.468208.		0.	12	1			
90		76	2.0	34	25.3	1583	1	3		
1										
NBDP	410BUS		AG344293.468782.344842.468099.		34	1.5	0.	32	50	
1										
NBDP	410BUS		AG344843.468098.344881.468078.		34	2.4	0.	32	26	
1										
NBDP	410BUS		AG344881.468078.344924.468089.		34	2.4	0.	32	26	
1										
WBR	410BUS		AG344926.468090.345062.468199.		34	2.5	0.	32	26	
1										
WBR	410BUS		AG345062.468199.345285.468305.		34	2.5	0.	32	26	
1										
WBR	410BUS		AG345285.468305.345515.468355.		34	2.5	0.	32	26	
1										
WBR	410BUS		AG345515.468355.345673.468365.		34	2.5	0.	32	26	
1										
WBR	410BUS		AG345675.468365.345855.468350.		34	2.5	0.	32	26	
1.0	04	1000	0Y	5	0	72				

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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. EBL	MD450	* 344576.5	467509.4	344503.6	467394.6	*	136.	212. AG	170.	3.6	.0	32.0		
2. EBL	MD450	* 344542.6	467456.5	344478.0	467352.4	*	122.	212. AG	87.	100.0	.0	12.0	.97	6.2
3. EBT	MD450	* 344596.5	467498.4	344519.6	467386.6	*	136.	215. AG	1530.	3.6	.0	55.9		
4. EBT	MD450	* 344557.6	467441.5	344451.9	467292.8	*	182.	215. AG	186.	100.0	.0	36.0	.87	9.3
5. EBR	MD450	* 344645.5	467381.5	344595.5	467398.6	*	53.	289. AG	585.	3.6	.0	32.0		
6. EBR	MD450	* 344595.5	467398.6	344539.6	467380.6	*	59.	252. AG	585.	3.6	.0	32.0		
7. EBALL	MD450	* 344513.6	467386.6	344094.0	466670.3	*	830.	210. AG	2285.	3.6	.0	55.9		
8. EBDP	MD450	* 345539.6	467810.1	345318.8	467831.1	*	222.	275. AG	1935.	3.6	.0	55.9		
9. EBDP	MD450	* 345318.8	467831.1	345110.0	467808.1	*	210.	264. AG	1935.	3.6	.0	55.9		
10. EBDP	MD450	* 345110.0	467808.1	344908.2	467737.2	*	214.	251. AG	1935.	3.6	.0	55.9		
11. EBDP	MD450	* 344908.2	467737.2	344710.4	467606.3	*	237.	237. AG	1935.	3.6	.0	55.9		
12. EBDP	MD450	* 344710.4	467606.3	344600.5	467501.4	*	152.	226. AG	1935.	3.6	.0	55.9		
13. WBL	MD450	* 344593.5	467530.4	344759.3	467685.3	*	227.	47. AG	245.	3.6	.0	32.0		
14. WBL	MD450	* 344644.5	467578.3	345460.1	468341.5	*	1117.	47. AG	88.	100.0	.0	12.0	1.61	56.7
15. WBT	MD450	* 344566.5	467550.4	344738.4	467702.2	*	229.	49. AG	1190.	3.6	.0	67.9		
16. WBT	MD450	* 344622.5	467600.3	344691.0	467660.1	*	91.	49. AG	252.	100.0	.0	48.0	.53	4.6
17. WBR	MD450	* 344568.5	467603.4	344722.4	467721.2	*	194.	53. AG	145.	3.6	.0	32.0		
18. WBALL	MD450	* 344745.4	467703.2	344949.2	467810.1	*	230.	62. AG	1580.	3.6	.0	67.9		
19. WBALL	MD450	* 344949.2	467810.1	345104.0	467857.1	*	162.	73. AG	1580.	3.6	.0	55.9		
20. WBALL	MD450	* 345104.0	467857.1	345284.8	467878.1	*	182.	83. AG	1580.	3.6	.0	55.9		
21. WBALL	MD450	* 345284.8	467878.1	345526.6	467857.1	*	243.	95. AG	1580.	3.6	.0	55.9		
22. WBDP	MD450	* 344034.1	466703.2	344566.5	467550.4	*	1001.	32. AG	1920.	3.6	.0	55.9		
23. NBL	MD410	* 344621.5	467488.5	344960.1	467075.9	*	534.	141. AG	490.	4.3	.0	32.0		
24. NBL	MD410	* 344646.5	467457.5	345444.2	466492.4	*	1252.	140. AG	74.	100.0	.0	12.0	1.25	63.6
25. NBT&R	MD410	* 344648.5	467501.4	344973.1	467089.8	*	524.	142. AG	915.	4.3	.0	55.9		
26. NBT&R	MD410	* 344672.4	467470.5	344729.3	467398.6	*	92.	142. AG	186.	100.0	.0	36.0	.52	4.7
27. NBR	MD410	* 344668.4	467558.4	344684.4	467463.5	*	96.	170. AG	235.	4.3	.0	32.0		
28. NBALL	MD410	* 344975.1	467089.8	345221.9	466780.2	*	396.	141. AG	1405.	4.3	.0	55.9		
29. NBDP	MD410	* 343972.1	468334.6	344639.5	467512.4	*	1059.	141. AG	995.	4.3	.0	55.9		
30. SBL	MD410	* 344565.5	467520.4	344309.8	467845.1	*	413.	322. AG	170.	4.3	.0	32.0		
31. SBL	MD410	* 344497.6	467609.3	344419.8	467705.2	*	123.	321. AG	86.	100.0	.0	12.0	.97	6.3
32. SBT&R	MD410	* 344512.6	467556.4	344295.8	467832.1	*	351.	322. AG	1140.	4.3	.0	55.9		
33. SBT&R	MD410	* 344471.6	467608.3	344348.7	467765.4	*	199.	322. AG	220.	100.0	.0	36.0	.95	10.1
34. SBR	MD410	* 344507.6	467461.5	344483.6	467587.4	*	128.	349. AG	240.	4.3	.0	32.0		
35. SBALL	MD410	* 344294.8	467837.1	343930.2	468300.6	*	590.	322. AG	1310.	4.3	.0	55.9		
36. SBDP	MD410	* 345168.9	466738.2	344519.6	467547.4	*	1038.	321. AG	1730.	4.3	.0	55.9		
37. EBDP	450BUS	* 345549.6	467776.2	345397.7	467804.1	*	154.	280. AG	34.	2.5	.0	32.0		
38. EBDP	450BUS	* 345397.7	467804.1	345259.9	467804.1	*	138.	270. AG	34.	2.5	.0	32.0		
39. EBDP	450BUS	* 345259.9	467804.1	345063.1	467771.2	*	200.	260. AG	34.	2.5	.0	32.0		
40. EBDP	450BUS	* 345063.1	467771.2	344874.2	467690.2	*	205.	247. AG	34.	2.5	.0	32.0		
41. EBDP	450BUS	* 344876.2	467690.2	344707.4	467570.4	*	207.	235. AG	34.	2.5	.0	32.0		
42. EBDP	450BUS	* 344707.4	467570.4	344637.5	467511.4	*	91.	230. AG	34.	2.5	.0	32.0		
43. EBDP	450BUS	* 344637.5	467511.4	344598.5	467511.4	*	39.	270. AG	34.	2.5	.0	32.0		
44. SBL	410BUS	* 344597.5	467510.4	343944.2	468316.6	*	1038.	321. AG	34.	1.5	.0	32.0		

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. SBL	410BUS	* 344532.6	467595.4	344523.5	467606.2	*	14.	320. AG	57.	100.0	.0	12.0	.19	.7
46. NBDP	410BUS	* 343954.2	468320.6	344502.6	467638.3	*	875.	141. AG	34.	1.5	.0	32.0		
47. NBDP	410BUS	* 344503.6	467637.3	344541.6	467617.3	*	43.	118. AG	34.	2.4	.0	32.0		
48. NBDP	410BUS	* 344541.6	467617.3	344584.5	467628.3	*	44.	76. AG	34.	2.4	.0	32.0		
49. WBR	410BUS	* 344586.5	467629.3	344722.4	467738.2	*	174.	51. AG	34.	2.5	.0	32.0		
50. WBR	410BUS	* 344722.4	467738.2	344945.2	467844.1	*	247.	65. AG	34.	2.5	.0	32.0		
51. WBR	410BUS	* 344945.2	467844.1	345174.9	467894.1	*	235.	78. AG	34.	2.5	.0	32.0		
52. WBR	410BUS	* 345174.9	467894.1	345332.8	467904.1	*	158.	86. AG	34.	2.5	.0	32.0		
53. WBR	410BUS	* 345334.8	467904.1	345514.6	467889.0	*	180.	95. AG	34.	2.5	.0	32.0		

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 90	77	2.0	170	1770	37.80	1	3
4. EBT	MD450	* 90	55	2.0	1530	1695	37.80	1	3
14. WBL	MD450	* 90	78	2.0	245	1717	37.80	1	3
16. WBT	MD450	* 90	56	2.0	1190	1695	37.80	1	3
24. NBL	MD410	* 90	66	2.0	490	1770	37.80	1	3

26.	NBT&R	MD410	*	90	55	2.0	915	1707	37.80	1	3
31.	SBL	MD410	*	90	76	2.0	170	1583	37.80	1	3
33.	SBT&R	MD410	*	90	65	2.0	1140	1707	37.80	1	3
45.	SBL	410BUS	*	90	76	2.0	34	1583	25.30	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	344706.4	467517.4	5.0	*
2. SE 82S	*	344723.4	467468.5	5.0	*
3. SE 164S	*	344772.3	467400.6	5.0	*
4. SE 256S	*	344824.3	467329.6	5.0	*
5. SE MIDS	*	344958.1	467174.7	5.0	*
6. SE 82E	*	344744.4	467567.4	5.0	*
7. SE 164E	*	344811.3	467619.3	5.0	*
8. SE 256E	*	344882.2	467653.3	5.0	*
9. SE MIDE	*	345044.1	467724.2	5.0	*
10. NE COR	*	344572.5	467671.3	5.0	*
11. NE 82N	*	344521.6	467706.2	5.0	*
12. NE 164N	*	344468.6	467773.2	5.0	*
13. NE 256N	*	344415.7	467839.1	5.0	*
14. NE MIDN	*	344257.8	468041.9	5.0	*
15. NE 82E	*	344621.5	467686.2	5.0	*
16. NE 164E	*	344692.4	467742.2	5.0	*
17. NE 256E	*	344758.3	467782.2	5.0	*
18. NE MIDE	*	344938.2	467866.1	5.0	*
19. SW COR	*	344606.5	467375.5	5.0	*
20. SW 82S	*	344646.5	467345.6	5.0	*
21. SW 164S	*	344687.4	467295.6	5.0	*
22. SW 256S	*	344739.4	467227.7	5.0	*
23. SW MIDS	*	344854.3	467076.8	5.0	*
24. SW 82W	*	344531.6	467338.6	5.0	*
25. SW 164W	*	344499.6	467280.6	5.0	*
26. SW 256W	*	344455.7	467207.7	5.0	*
27. SW MIDW	*	344356.8	467021.9	5.0	*
28. NW COR	*	344478.6	467510.4	5.0	*
29. NW 82N	*	344438.7	467603.4	5.0	*
30. NW 164N	*	344373.7	467687.3	5.0	*
31. NW 256N	*	344303.8	467779.2	5.0	*
32. NW MIDN	*	344181.9	467935.0	5.0	*
33. NW 82W	*	344461.6	467440.5	5.0	*
34. NW 164W	*	344424.7	467370.6	5.0	*
35. NW 256W	*	344372.7	467291.6	5.0	*
36. NW MIDW	*	344234.9	467103.8	5.0	*

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JOB: S15 450&410 LBRT 2015PM

RUN: S15 450&410 LBRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.3	.2	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
5.	*	.4	.2	.2	.0	.0	.3	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7
10.	*	.4	.2	.2	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8
15.	*	.3	.2	.1	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.6	.9
20.	*	.2	.2	.1	.0	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.1	.6	.7
25.	*	.3	.2	.1	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.1	.7	.7
30.	*	.3	.2	.1	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.1	.5	.7
35.	*	.2	.2	.0	.0	.0	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7
40.	*	.2	.1	.0	.0	.0	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.3	.7	.6
45.	*	.2	.0	.0	.0	.0	.2	.3	.1	.3	.0	.0	.0	.0	.0	.1	.1	.4	.8	.6
50.	*	.1	.0	.0	.0	.0	.2	.2	.1	.3	.1	.0	.0	.0	.0	.1	.1	.4	.7	.7
55.	*	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.0	.0	.1	.1	.5	.7	.5
60.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.2	.1	.5	.7	.5
65.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.2	.2	.1	.5	.5
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0	.2	.2	.1	.5	.5
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.1	.0	.0	.2	.2	.4	.6	.4
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.4	.2	.2	.4	.4
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.5	.3	.3	.5	.4
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.5	.4	.3	.6	.5
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.0	.0	.0	.4	.3	.3	.5	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.5	.3	.3	.5	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.5	.3	.3	.5	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.0	.0	.5	.3	.3	.6	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.0	.0	.6	.3	.3	.5	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.6	.3	.3	.5	.6
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.3	.3	.5	.4
130.	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	.5	.2	.2	.1	.7	.3	.3	.5	.4
135.	*	.0	.1	.2	.2	.1	.0	.0	.0	.0	.5	.4	.2	.2	.1	.7	.3	.3	.5	.4
140.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.5	.5	.3	.3	.1	.8	.3	.3	.5	.3
145.	*	.3	.3	.3	.3	.2	.0	.0	.0	.0	.8	.6	.5	.3	.2	.9	.3	.3	.5	.2
150.	*	.4	.4	.3	.4	.3	.1	.0	.0	.0	.9	.5	.4	.4	.3	1.0	.3	.3	.5	.1

155.	*	.4	.4	.4	.4	.4	.2	.0	.0	.0	.7	.4	.3	.4	.3	1.1	.3	.3	.5	.1	.2
160.	*	.4	.5	.4	.4	.4	.2	.0	.0	.0	.7	.3	.3	.4	.3	1.1	.6	.3	.5	.0	.1
165.	*	.5	.5	.4	.4	.4	.3	.1	.0	.0	.4	.4	.5	.7	.3	.9	.6	.3	.6	.0	.1
170.	*	.5	.6	.4	.4	.4	.3	.1	.0	.0	.3	.5	.8	.7	.4	.8	.5	.3	.6	.0	.1
175.	*	.6	.6	.3	.4	.4	.4	.1	.0	.0	.5	.5	.7	.7	.3	.6	.7	.4	.5	.0	.0
180.	*	.6	.6	.3	.3	.4	.4	.1	.0	.0	.5	.9	.7	.2	.7	.7	.4	.6	.0	.0	
185.	*	.6	.7	.3	.3	.3	.4	.1	.0	.0	.4	.5	.9	.8	.2	.7	.7	.4	.6	.0	.0
190.	*	.6	.7	.3	.3	.3	.4	.1	.0	.0	.5	.5	.7	.6	.2	.7	.7	.5	.6	.0	.0
195.	*	.6	.7	.3	.3	.3	.5	.2	.0	.0	.5	.6	.8	.5	.2	.7	.7	.5	.6	.0	.0
200.	*	.6	.7	.3	.3	.3	.5	.2	.0	.0	.5	.6	.7	.5	.2	.7	.9	.3	.6	.0	.0
205.	*	.6	.7	.3	.3	.3	.3	.2	.0	.0	.4	.6	.6	.4	.2	.7	.8	.6	.7	.1	.0

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JOB: S15 450&410 LBRT 2015PM

RUN: S15 450&410 LBRT 2015PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.6	.7	.3	.3	.3	.4	.2	.0	.0	.3	.6	.6	.4	.2	.5	.6	.7	.7	.1	.0
215.	*	.7	.8	.3	.3	.3	.4	.3	.1	.0	.2	.5	.5	.4	.2	.4	.6	.6	.7	.1	.1
220.	*	.7	.8	.3	.3	.3	.5	.5	.2	.0	.3	.5	.5	.4	.2	.2	.3	.4	.6	.2	.1
225.	*	.6	1.0	.4	.3	.3	.5	.5	.3	.0	.3	.5	.5	.3	.2	.2	.2	.3	.7	.4	.2
230.	*	.6	1.1	.4	.3	.3	.5	.5	.3	.0	.3	.6	.5	.3	.2	.1	.1	.2	.5	.4	.2
235.	*	.7	1.0	.5	.4	.3	.5	.4	.2	.0	.3	.6	.5	.3	.2	.2	.1	.1	.5	.4	.2
240.	*	.6	1.0	.5	.4	.3	.4	.3	.2	.0	.4	.6	.5	.2	.2	.2	.1	.1	.3	.5	.2
245.	*	.5	1.0	.7	.4	.3	.4	.3	.3	.1	.5	.6	.5	.2	.2	.2	.1	.1	.1	.5	.3
250.	*	.6	1.0	.7	.4	.3	.3	.3	.3	.1	.5	.6	.4	.2	.2	.2	.1	.1	.2	.4	.3
255.	*	.5	1.0	.7	.4	.3	.4	.4	.3	.2	.5	.6	.4	.2	.2	.4	.1	.1	.1	.5	.3
260.	*	.3	.8	.8	.4	.3	.3	.5	.3	.3	.5	.6	.4	.2	.2	.4	.1	.1	.0	.5	.3
265.	*	.3	.8	.7	.5	.3	.3	.7	.5	.4	.6	.6	.4	.1	.2	.4	.1	.1	.0	.6	.4
270.	*	.4	.8	.8	.4	.3	.5	.8	.5	.4	.6	.5	.3	.1	.2	.4	.1	.1	.0	.6	.4
275.	*	.4	.5	.8	.4	.3	.6	.7	.5	.4	.6	.6	.3	.2	.2	.4	.1	.0	.0	.6	.4
280.	*	.4	.5	.8	.4	.3	.7	.7	.5	.3	.5	.5	.4	.3	.2	.3	.1	.0	.0	.8	.4
285.	*	.3	.6	.8	.4	.3	.8	.7	.4	.3	.4	.5	.3	.3	.2	.2	.0	.0	.0	.7	.4
290.	*	.3	.5	.7	.6	.3	.8	.6	.3	.3	.4	.5	.2	.3	.3	.2	.0	.0	.0	.7	.4
295.	*	.3	.6	.7	.6	.3	.8	.5	.4	.4	.3	.4	.3	.3	.3	.2	.0	.0	.0	.7	.5
300.	*	.5	.5	.7	.5	.3	.8	.5	.4	.4	.2	.3	.3	.3	.3	.1	.0	.0	.0	.7	.6
305.	*	.5	.4	.7	.6	.3	.8	.5	.4	.4	.2	.4	.3	.3	.3	.1	.0	.0	.0	.6	.5
310.	*	.5	.5	.6	.6	.3	.8	.3	.4	.3	.1	.3	.3	.3	.3	.1	.0	.0	.0	.6	.4
315.	*	.6	.4	.7	.4	.3	.7	.3	.4	.3	.1	.3	.3	.3	.1	.1	.0	.0	.0	.8	.6
320.	*	.6	.4	.7	.3	.1	.7	.3	.4	.4	.1	.2	.2	.2	.1	.0	.0	.0	.0	.6	.7
325.	*	.6	.3	.5	.3	.1	.6	.4	.4	.4	.1	.1	.1	.1	.1	.0	.0	.0	.0	.6	.8
330.	*	.6	.4	.3	.3	.0	.5	.4	.4	.4	.0	.1	.1	.1	.1	.0	.0	.0	.0	.8	.7
335.	*	.6	.3	.1	.1	.0	.4	.4	.4	.4	.0	.1	.1	.1	.0	.0	.0	.0	.0	.7	.5
340.	*	.6	.4	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5
345.	*	.5	.4	.1	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4
350.	*	.5	.3	.1	.0	.0	.3	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
355.	*	.5	.3	.1	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5
360.	*	.4	.3	.2	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6

MAX	*	.7	1.1	.8	.6	.4	.8	.8	.5	.4	.9	.6	.9	.8	.4	1.1	.9	.7	.7	.8	.9
DEGR.	*	215	230	270	290	155	285	270	265	5	150	145	180	185	170	155	200	210	205	280	15

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JOB: S15 450&410 LBRT 2015PM

RUN: S15 450&410 LBRT 2015PM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.8	.6	.5	.9	.9	.7	.3	.5	1.2	1.0	.3	.3	.3	.2	.1	.0
5.	*	.8	.6	.5	.9	.8	.8	.4	.4	1.1	1.0	.3	.3	.2	.2	.2	.0
10.	*	.8	.5	.4	.9	1.0	.6	.4	.3	1.1	1.0	.2	.3	.2	.2	.2	.0
15.	*	.8	.5	.4	.7	.9	.6	.4	.3	1.1	1.0	.3	.3	.2	.2	.2	.0
20.	*	.6	.4	.4	.6	.9	.6	.4	.2	1.1	1.0	.3	.3	.1	.3	.3	.1
25.	*	.6	.4	.4	.7	.6	.6	.4	.2	1.1	.9	.3	.3	.1	.2	.2	.1
30.	*	.6	.4	.4	.6	.7	.4	.2	.2	.9	.8	.3	.3	.4	.3	.3	.1
35.	*	.5	.4	.4	.6	.3	.4	.2	.3	.9	.8	.3	.3	.4	.4	.4	.3
40.	*	.4	.4	.4	.4	.4	.3	.1	.4	.9	.9	.3	.3	.5	.6	.5	.4
45.	*	.4	.4	.4	.3	.2	.1	.0	.5	1.0	.9	.3	.3	.6	.7	.8	.4
50.	*	.5	.4	.4	.2	.2	.1	.0	.6	1.0	.9	.3	.3	.7	.9	.9	.5
55.	*	.4	.4	.4	.2	.2	.1	.0	.6	1.1	.9	.3	.3	.7	.8	.9	.4
60.	*	.4	.4	.4	.2	.2	.1	.0	.6	1.1	.9	.3	.3	.7	.8	.9	.3
65.	*	.4	.4	.4	.2	.2	.1	.0	.7	1.0	.8	.3	.3	.6	.8	.8	.3
70.	*	.4	.4	.3	.2	.1	.1	.0	.7	1.0	.9	.3	.3	.5	1.1	.8	.3
75.	*	.4	.4	.3	.2	.1	.1	.0	.5	.9	1.0	.3	.3	.5	1.1	.9	.3
80.	*	.4	.4	.3	.3	.1	.1	.0	.4	.8	1.1	.4	.3	.7	1.1	.8	.3
85.	*	.4	.4	.3	.2	.1	.1	.0	.5	1.0	1.1	.4	.3	.7	.9	.7	.3
90.	*	.5	.5	.4	.2	.1	.1	.0	.5	.8	1.2	.4	.3	.8	.8	.7	.3
95.	*	.5	.5	.5	.2	.1	.1	.0	.6	.7	1.2	.5	.3	.8	.8	.6	.3
100.	*	.5	.5	.5	.2	.1	.1	.0	.6	.7	1.2	.6	.3	.9	.8	.6	.3
105.	*	.5	.5	.5	.2	.1	.1	.0	.6	.6	1.2	.6	.3	.9	.8	.6	.3
110.	*	.5	.5	.5	.2	.1	.1	.0	.7	.4	1.2	.8	.3	.9	.9	.5	.3

115.	*	.6	.4	.5	.2	.1	.1	.0	.8	.4	1.2	.9	.3	.9	.8	.5	.3
120.	*	.6	.5	.5	.2	.1	.0	.0	.8	.6	1.2	.8	.4	.9	.8	.4	.3
125.	*	.5	.5	.5	.2	.1	.0	.0	.7	.6	1.0	.9	.5	.9	.8	.4	.3
130.	*	.5	.5	.5	.1	.0	.0	.0	.7	.5	1.1	.9	.5	1.0	.8	.4	.3
135.	*	.5	.5	.4	.1	.0	.0	.0	.8	.5	.9	.8	.4	.8	.7	.4	.3
140.	*	.5	.4	.3	.0	.0	.0	.0	.8	.6	.7	.7	.5	.8	.7	.4	.3
145.	*	.3	.3	.2	.0	.0	.0	.0	.7	.5	.6	.7	.3	.7	.7	.4	.3
150.	*	.2	.2	.1	.0	.0	.0	.0	.7	.4	.6	.6	.2	.7	.6	.4	.3
155.	*	.2	.1	.1	.0	.0	.0	.0	.6	.3	.5	.4	.2	.7	.6	.4	.3
160.	*	.1	.1	.1	.0	.0	.0	.0	.6	.2	.4	.3	.1	.7	.6	.4	.3
165.	*	.1	.1	.0	.0	.0	.0	.0	.6	.3	.3	.2	.0	.8	.6	.5	.3
170.	*	.1	.0	.0	.0	.0	.0	.0	.6	.3	.3	.0	.0	.9	.6	.5	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.0	.0	.7	.6	.5	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.0	.0	.7	.6	.5	.3
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.7	.5	.5	.3
190.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.0	.0	.6	.6	.5	.3
195.	*	.0	.0	.0	.1	.1	.1	.0	.4	.2	.0	.0	.0	.6	.6	.6	.3
200.	*	.0	.0	.0	.1	.1	.1	.1	.4	.2	.0	.0	.0	.6	.6	.6	.3
205.	*	.0	.0	.0	.2	.1	.1	.1	.3	.1	.0	.0	.0	.4	.5	.5	.3

1

JOB: S15 450&410 LBRT 2015PM

RUN: S15 450&410 LBRT 2015PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.3	.2	.1	.2	.0	.0	.0	.0	.4	.5	.4	.2
215.	*	.0	.0	.0	.5	.4	.4	.2	.2	.0	.0	.0	.0	.4	.4	.4	.1
220.	*	.0	.0	.0	.5	.4	.4	.3	.1	.0	.0	.0	.0	.2	.3	.2	.1
225.	*	.1	.0	.0	.5	.4	.4	.3	.0	.0	.0	.0	.0	.1	.2	.2	.0
230.	*	.1	.0	.0	.6	.4	.4	.4	.0	.0	.0	.0	.0	.1	.1	.1	.0
235.	*	.2	.1	.0	.7	.4	.4	.4	.0	.0	.0	.0	.0	.1	.1	.1	.0
240.	*	.2	.1	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
245.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0
250.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.2	.0	.8	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.2	.0	.9	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.2	.0	.9	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.3	.2	.0	.9	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.3	.2	.0	.9	.6	.3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0
305.	*	.3	.2	.2	.9	.7	.3	.3	.0	.2	.1	.0	.1	.0	.0	.0	.0
310.	*	.4	.3	.2	.9	.7	.3	.3	.0	.2	.2	.2	.1	.0	.0	.0	.0
315.	*	.5	.3	.3	.9	.7	.3	.3	.1	.3	.3	.2	.2	.0	.0	.0	.0
320.	*	.5	.5	.2	.9	.7	.3	.3	.2	.6	.4	.2	.2	.0	.0	.0	.0
325.	*	.5	.4	.3	1.0	.7	.3	.3	.3	.8	.5	.3	.2	.0	.0	.0	.0
330.	*	.5	.4	.4	1.0	.7	.3	.3	.3	1.0	.7	.4	.3	.1	.0	.0	.0
335.	*	.6	.5	.4	1.0	.8	.3	.3	.5	1.0	.8	.4	.4	.1	.0	.0	.0
340.	*	.6	.6	.5	1.0	.9	.4	.3	.5	1.1	.9	.4	.4	.3	.1	.0	.0
345.	*	.6	.5	.5	1.0	.9	.5	.3	.6	1.2	.9	.3	.4	.3	.1	.0	.0
350.	*	.6	.6	.5	1.0	.9	.6	.3	.6	1.2	.9	.3	.3	.3	.1	.0	.0
355.	*	.6	.6	.5	1.1	.9	.7	.3	.5	1.2	1.0	.3	.3	.3	.1	.1	.0
360.	*	.8	.6	.5	.9	.9	.7	.3	.5	1.2	1.0	.3	.3	.3	.2	.1	.0

MAX	*	.8	.6	.5	1.1	1.0	.8	.4	.8	1.2	1.2	.9	.5	1.0	1.1	.9	.5
DEGR.	*	0	0	0	355	10	5	5	140	0	90	125	125	130	70	50	50

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 0 DEGREES FROM REC29.

THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 90 DEGREES FROM REC30.

THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 155 DEGREES FROM REC15.

S15 450&410 HBRT 2015AM			60.0321.0.0000.000360.30450000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345222.	468114.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344912.	468132.	5.		
NE 82N	344861.	468167.	5.		
NE 164N	344808.	468234.	5.		
NE 256N	344755.	468300.	5.		
NE MIDN	344597.	468503.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344808.	467971.	5.		
NW 82N	344766.	468057.	5.		
NW 164N	344701.	468137.	5.		
NW 256N	344632.	468229.	5.		
NW MIDN	344512.	468388.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 HBRT 2015AM			46 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	245 3.5 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
110	93	2.0 245 37.8 1770 1 3			
1					
EBT	MD450	AG344936.467959.344859.467847.	590 3.5 0. 56	29	
2					
EBT	MD450	AG344897.467902.344860.467850.	0. 36 3		
110	72	2.0 590 37.8 1695 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	400 3.5 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	400 3.5 0. 32	29	
1					
EBALL	MD450	AG344853.467847.344433.467130.	1235 3.5 0. 56	29	
1					
EBDP	MD450	AG345880.468271.345659.468292.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345659.468292.345450.468269.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345450.468269.345248.468198.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345248.468198.345050.468067.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345050.468067.344940.467962.	1135 3.5 0. 56	29	
1					
WBL	MD450	AG344933.467991.345099.468146.	415 3.5 0. 32	26	
2					
WBL	MD450	AG344984.468039.345061.468111.	0. 12 1		
110	88	2.0 415 37.8 1717 1 3			
1					
WBT	MD450	AG344906.468011.345078.468163.	1840 3.5 0. 68	26	
2					
WBT	MD450	AG344962.468061.345064.468150.	0. 48 4		
110	67	2.0 1840 37.8 1695 1 3			
1					
WBR	MD450	AG344908.468064.345062.468182.	120 3.5 0. 32	26	
1					
WBALL	MD450	AG345085.468164.345289.468271.	2375 3.5 0. 68	26	
1					
WBALL	MD450	AG345289.468271.345444.468318.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345444.468318.345625.468339.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345625.468339.345867.468318.	2375 3.5 0. 56	26	
1					
WBDP	MD450	AG344373.467163.344906.468011.	2740 3.5 0. 56	26	
1					
NBL	MD410	AG344947.467990.345074.467835.	680 4.3 0. 32	50	
2					
NBL	MD410	AG344991.467936.345045.467871.	0. 12 1		
110	76	2.0 680 37.8 1770 1 3			
1					
NBT&R	MD410	AG344969.468004.345090.467849.	1320 4.3 0. 56	50	
2					
NBT&R	MD410	AG345015.467946.345074.467870.	0. 36 3		



[illegible]

JOB: S15 450&410 HBRT 2015AM  
 DATE: 10/07/2007 TIME: 00:21:56.94

RUN: S15 450&410 HBRT 2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	MD450	* 344576.5	467509.4	344503.6	467394.6	*	136.	212. AG	245.	3.5	.0	32.0	
2. EBL	MD450	* 344542.6	467456.5	344246.6	466979.3	*	562.	212. AG	86.	100.0	.0	12.0	1.17 28.5
3. EBT	MD450	* 344596.5	467498.4	344519.6	467386.6	*	136.	215. AG	590.	3.5	.0	55.9	
4. EBT	MD450	* 344557.6	467441.5	344512.8	467378.6	*	77.	215. AG	199.	100.0	.0	36.0	.37 3.9
5. EBR	MD450	* 344645.5	467381.5	344595.5	467398.6	*	53.	289. AG	400.	3.5	.0	32.0	
6. EBR	MD450	* 344595.5	467398.6	344539.6	467380.6	*	59.	252. AG	400.	3.5	.0	32.0	
7. EBALL	MD450	* 344513.6	467386.6	344094.0	466670.3	*	830.	210. AG	1235.	3.5	.0	55.9	
8. EBDP	MD450	* 345539.6	467810.1	345318.8	467831.1	*	222.	275. AG	1135.	3.5	.0	55.9	
9. EBDP	MD450	* 345318.8	467831.1	345110.0	467808.1	*	210.	264. AG	1135.	3.5	.0	55.9	
10. EBDP	MD450	* 345110.0	467808.1	344908.2	467737.2	*	214.	251. AG	1135.	3.5	.0	55.9	
11. EBDP	MD450	* 344908.2	467737.2	344710.4	467606.3	*	237.	237. AG	1135.	3.5	.0	55.9	
12. EBDP	MD450	* 344710.4	467606.3	344600.5	467501.4	*	152.	226. AG	1135.	3.5	.0	55.9	
13. WBL	MD450	* 344593.5	467530.4	344759.3	467685.3	*	227.	47. AG	415.	3.5	.0	32.0	
14. WBL	MD450	* 344644.5	467578.3	345848.7	468705.1	*	1649.	47. AG	81.	100.0	.0	12.0	1.48 83.8
15. WBT	MD450	* 344566.5	467550.4	344738.4	467702.2	*	229.	49. AG	1840.	3.5	.0	67.9	
16. WBT	MD450	* 344622.5	467600.3	344750.6	467712.2	*	170.	49. AG	247.	100.0	.0	48.0	.77 8.6
17. WBR	MD450	* 344568.5	467603.4	344722.4	467721.2	*	194.	53. AG	120.	3.5	.0	32.0	
18. WBALL	MD450	* 344745.4	467703.2	344949.2	467810.1	*	230.	62. AG	2375.	3.5	.0	67.9	
19. WBALL	MD450	* 344949.2	467810.1	345104.0	467857.1	*	162.	73. AG	2375.	3.5	.0	55.9	
20. WBALL	MD450	* 345104.0	467857.1	345284.8	467878.1	*	182.	83. AG	2375.	3.5	.0	55.9	
21. WBALL	MD450	* 345284.8	467878.1	345526.6	467857.1	*	243.	95. AG	2375.	3.5	.0	55.9	
22. WBDP	MD450	* 344034.1	466703.2	344566.5	467550.4	*	1001.	32. AG	2740.	3.5	.0	55.9	
23. NBL	MD410	* 344607.5	467529.4	344734.4	467374.6	*	200.	141. AG	680.	4.3	.0	32.0	
24. NBL	MD410	* 344651.5	467475.4	346173.6	465643.1	*	2382.	140. AG	70.	100.0	.0	12.0	1.41 121.0
25. NBT&R	MD410	* 344629.5	467543.4	344750.4	467388.6	*	196.	142. AG	1320.	4.3	.0	55.9	
26. NBT&R	MD410	* 344675.4	467485.4	344782.5	467347.5	*	175.	142. AG	194.	100.0	.0	36.0	.79 8.9
27. NBR	MD410	* 344681.4	467570.4	344681.4	467487.4	*	83.	180. AG	385.	4.3	.0	32.0	
28. NBALL	MD410	* 344745.4	467378.6	345217.9	466774.2	*	767.	142. AG	2000.	4.3	.0	55.9	
29. NBDP	MD410	* 343974.1	468335.6	344613.5	467537.4	*	1023.	141. AG	1300.	4.3	.0	44.0	
30. SBL	MD410	* 344565.5	467516.4	344376.7	467749.2	*	300.	321. AG	160.	4.3	.0	44.0	
31. SBL	MD410	* 344507.6	467588.3	344481.7	467620.2	*	41.	321. AG	173.	100.0	.0	24.0	.47 2.1
32. SBT	MD410	* 344544.6	467500.4	344359.8	467736.2	*	300.	322. AG	655.	4.3	.0	44.0	
33. SBT	MD410	* 344484.6	467578.3	344094.9	468067.0	*	625.	321. AG	162.	100.0	.0	24.0	1.13 31.8
34. SBR	MD410	* 344485.6	467428.5	344485.6	467532.4	*	104.	360. AG	220.	4.3	.0	32.0	
35. SBR	MD410	* 344485.6	467532.4	344452.7	467594.3	*	70.	332. AG	220.	4.3	.0	32.0	
36. SBR	MD410	* 344452.7	467594.3	344347.8	467725.2	*	168.	321. AG	220.	4.3	.0	32.0	
37. SBT	MD410	* 344448.7	467599.4	344369.0	467698.9	*	127.	321. AG	81.	100.0	.0	12.0	.85 6.5
38. SBALL	MD410	* 344359.8	467740.2	343916.2	468290.6	*	707.	321. AG	1035.	4.3	.0	55.9	
39. SBDP	MD410	* 345165.9	466733.2	344563.5	467509.4	*	983.	322. AG	1470.	4.3	.0	44.0	
40. SBT	410BUS	* 344569.5	467540.4	343948.2	468315.7	*	994.	321. AG	34.	1.5	.0	32.0	
41. SBT	410BUS	* 344512.6	467610.3	344502.4	467623.1	*	16.	321. AG	54.	100.0	.0	12.0	.12 .8
42. SBDP	410BUS	* 345190.9	466752.2	344572.5	467535.4	*	998.	322. AG	34.	1.5	.0	32.0	
43. NBT	410BUS	* 344584.5	467540.4	345075.1	466924.0	*	788.	141. AG	34.	1.5	.0	32.0	
44. NBT	410BUS	* 344661.5	467444.5	344669.5	467434.3	*	13.	142. AG	43.	100.0	.0	12.0	.06 .7

JOB: S15 450&410 HBRT 2015AM  
 DATE: 10/07/2007 TIME: 00:21:56.94

RUN: S15 450&410 HBRT 2015AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. NBT	410BUS	* 345075.1	466924.0	345200.9	466757.1	*	209.	143. AG	34.	1.5	.0	32.0	
46. NBDP	410BUS	* 343959.1	468324.6	344584.5	467538.4	*	1005.	142. AG	34.	1.5	.0	32.0	

JOB: S15 450&410 HBRT 2015AM  
 DATE: 10/07/2007 TIME: 00:21:56.94

RUN: S15 450&410 HBRT 2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 110	93	2.0	245	1770	37.80	1	3
4. EBT	MD450	* 110	72	2.0	590	1695	37.80	1	3
14. WBL	MD450	* 110	88	2.0	415	1717	37.80	1	3
16. WBT	MD450	* 110	67	2.0	1840	1695	37.80	1	3
24. NBL	MD410	* 110	76	2.0	680	1770	37.80	1	3
26. NBT&R	MD410	* 110	70	2.0	1320	1707	37.80	1	3
31. SBL	MD410	* 110	94	2.0	160	1583	37.80	1	3
33. SBT	MD410	* 110	88	2.0	655	1770	37.80	1	3
37. SBT	MD410	* 110	88	2.0	220	1583	37.80	1	3
41. SBT	410BUS	* 110	88	2.0	34	1770	25.30	1	3
44. NBT	410BUS	* 110	70	2.0	34	1770	25.30	1	3

## RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)			
	X	Y	Z	
1. SE COR	344706.4	467517.4	5.0	*
2. SE 82S	344723.4	467468.5	5.0	*
3. SE 164S	344772.3	467400.6	5.0	*
4. SE 256S	344824.3	467329.6	5.0	*
5. SE MIDS	344958.1	467174.7	5.0	*
6. SE 82E	344744.4	467567.4	5.0	*
7. SE 164E	344811.3	467619.3	5.0	*
8. SE 256E	344882.2	467653.3	5.0	*
9. SE MIDE	345044.1	467724.2	5.0	*
10. NE COR	344572.5	467671.3	5.0	*
11. NE 82N	344521.6	467706.2	5.0	*
12. NE 164N	344468.6	467773.2	5.0	*
13. NE 256N	344415.7	467839.1	5.0	*
14. NE MIDN	344257.8	468041.9	5.0	*
15. NE 82E	344621.5	467686.2	5.0	*
16. NE 164E	344692.4	467742.2	5.0	*
17. NE 256E	344758.3	467782.2	5.0	*
18. NE MIDE	344938.2	467866.1	5.0	*
19. SW COR	344606.5	467375.5	5.0	*
20. SW 82S	344646.5	467345.6	5.0	*
21. SW 164S	344687.4	467295.6	5.0	*
22. SW 256S	344739.4	467227.7	5.0	*
23. SW MIDS	344854.3	467076.8	5.0	*
24. SW 82W	344531.6	467338.6	5.0	*
25. SW 164W	344499.6	467280.6	5.0	*
26. SW 256W	344455.7	467207.7	5.0	*
27. SW MIDW	344356.8	467021.9	5.0	*
28. NW COR	344468.6	467510.4	5.0	*
29. NW 82N	344426.7	467596.3	5.0	*
30. NW 164N	344361.8	467676.2	5.0	*
31. NW 256N	344292.8	467768.2	5.0	*
32. NW MIDN	344172.9	467927.0	5.0	*
33. NW 82W	344461.6	467440.5	5.0	*
34. NW 164W	344424.7	467370.6	5.0	*

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JOB: S15 450&410 HBRT 2015AM  
 DATE: 10/07/2007 TIME: 00:21:56.94

RUN: S15 450&amp;410 HBRT 2015AM

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## RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)			
	X	Y	Z	
35. NW 256W	344372.7	467291.6	5.0	*
36. NW MIDW	344234.9	467103.8	5.0	*

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JOB: S15 450&amp;410 HBRT 2015AM

RUN: S15 450&amp;410 HBRT 2015AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.6	.3	.1	.0	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6
5.	.5	.3	.2	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
10.	.4	.2	.1	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
15.	.5	.3	.1	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8
20.	.4	.3	.1	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8
25.	.4	.2	.1	.0	.0	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8
30.	.4	.2	.1	.0	.0	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.7
35.	.3	.1	.0	.0	.0	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7
40.	.3	.1	.0	.0	.0	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.7
45.	.1	.1	.0	.0	.0	.3	.2	.3	.1	.0	.0	.0	.0	.0	.1	.1	.1	.4	.6	.6
50.	.1	.0	.0	.0	.0	.2	.2	.2	.2	.1	.0	.0	.0	.0	.1	.1	.1	.4	.5	.6
55.	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.3	.1	.1	.5	.5	.6
60.	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.1	.0	.0	.0	.3	.2	.1	.5	.5	.6
65.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.0	.3	.2	.1	.5	.5	.5
70.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.5	.2	.2	.4	.5	.6
75.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.6	.3	.3	.4	.5	.6
80.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.6	.3	.3	.6	.4	.6
85.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.7	.3	.4	.6	.5	.6
90.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.0	.0	.0	.7	.3	.3	.5	.6	.5
95.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.0	.0	.8	.4	.3	.5	.5	.5
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.0	.0	.8	.4	.3	.6	.5	.5
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.1	.0	.8	.4	.3	.5	.5	.4
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.1	.0	.7	.4	.3	.5	.5	.5
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.7	.4	.3	.5	.4	.5
120.	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	.3	.2	.1	.0	.7	.6	.3	.5	.4	.5

125.	*	.0	.1	.1	.1	.0	.0	.0	.0	.0	.5	.3	.3	.1	.0	.7	.7	.3	.5	.4	.5
130.	*	.0	.3	.3	.2	.2	.0	.0	.0	.0	.6	.4	.2	.2	.2	.7	.8	.4	.6	.4	.4
135.	*	.3	.5	.4	.3	.2	.0	.0	.0	.0	.7	.6	.4	.2	.2	.7	.8	.4	.6	.4	.4
140.	*	.3	.7	.5	.4	.3	.0	.0	.0	.0	.7	.7	.5	.3	.1	1.0	.7	.4	.6	.3	.4
145.	*	.5	.9	.7	.6	.3	.2	.0	.0	.0	.8	.7	.6	.4	.3	1.0	.8	.4	.6	.1	.2
150.	*	.8	1.0	.9	.7	.5	.2	.0	.0	.0	.8	.7	.5	.3	.3	1.1	.9	.4	.6	.1	.1
155.	*	.8	1.2	1.0	.7	.6	.2	.2	.0	.0	.8	.6	.3	.4	.3	1.1	.9	.4	.5	.0	.1
160.	*	.8	1.2	1.0	.7	.5	.4	.2	.0	.0	.7	.4	.4	.4	.4	1.1	1.0	.5	.6	.0	.0
165.	*	.8	1.3	1.0	.6	.5	.4	.2	.1	.0	.4	.4	.4	.4	.4	.9	1.1	.6	.6	.0	.0
170.	*	.9	1.2	1.0	.6	.5	.5	.1	.1	.0	.4	.4	.4	.4	.5	.8	1.0	.6	.6	.0	.0
175.	*	1.0	1.2	1.0	.5	.5	.5	.1	.1	.0	.4	.5	.4	.5	.5	.7	1.0	.5	.5	.0	.0
180.	*	.9	1.2	1.1	.5	.5	.6	.3	.1	.0	.5	.5	.4	.5	.5	.5	1.0	.5	.5	.0	.0
185.	*	.9	1.1	1.1	.5	.5	.5	.2	.1	.0	.4	.5	.4	.5	.5	.5	1.0	.7	.5	.0	.0
190.	*	.8	1.1	1.1	.5	.5	.5	.2	.1	.0	.6	.6	.5	.5	.5	.5	.9	.7	.6	.0	.0
195.	*	.8	1.1	1.0	.5	.4	.5	.1	.2	.0	.5	.6	.5	.5	.5	.6	.9	.8	.6	.0	.0
200.	*	.8	1.1	1.0	.5	.4	.5	.1	.1	.0	.4	.5	.6	.4	.5	.7	.7	.7	.6	.0	.0
205.	*	.7	1.1	1.0	.5	.4	.4	.1	.1	.0	.4	.5	.6	.4	.4	.5	.6	.9	.6	.0	.0

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JOB: S15 450&amp;410 HBRT 2015AM

RUN: S15 450&amp;410 HBRT 2015AM

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WIND	*	CONCENTRATION																			
ANGLE	*	(PPM)																			
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.6	1.1	1.0	.4	.4	.4	.1	.1	.0	.4	.5	.5	.4	.4	.5	.5	.8	.8	.0	.0
215.	*	.7	1.1	1.0	.4	.4	.4	.3	.1	.0	.3	.6	.5	.4	.4	.4	.4	.6	.8	.2	.0
220.	*	.9	1.2	1.0	.5	.4	.5	.3	.2	.1	.4	.4	.5	.4	.4	.2	.4	.6	.8	.3	.1
225.	*	.9	1.3	1.0	.5	.4	.6	.3	.2	.1	.3	.4	.4	.5	.4	.2	.3	.5	.8	.3	.2
230.	*	.7	1.4	1.1	.5	.4	.6	.2	.2	.2	.3	.5	.4	.5	.4	.4	.2	.4	.7	.3	.2
235.	*	.6	1.3	1.1	.5	.4	.5	.1	.1	.1	.3	.5	.4	.5	.4	.3	.1	.2	.4	.3	.3
240.	*	.6	1.4	1.1	.6	.4	.4	.1	.1	.1	.3	.5	.4	.5	.4	.3	.1	.2	.4	.3	.3
245.	*	.6	1.4	1.1	.6	.4	.3	.2	.2	.1	.3	.5	.4	.5	.4	.3	.1	.1	.3	.3	.3
250.	*	.4	1.3	1.1	.5	.4	.3	.4	.3	.1	.4	.5	.4	.5	.4	.2	.1	.1	.2	.3	.3
255.	*	.4	1.3	1.2	.5	.4	.2	.5	.4	.1	.3	.5	.4	.5	.4	.2	.2	.1	.1	.4	.3
260.	*	.4	1.2	1.2	.6	.4	.2	.5	.5	.3	.3	.4	.4	.5	.5	.2	.2	.1	.1	.4	.3
265.	*	.3	1.2	1.2	.7	.4	.3	.6	.6	.3	.3	.4	.4	.5	.4	.2	.2	.1	.1	.4	.2
270.	*	.4	1.2	1.4	.7	.4	.5	.6	.6	.4	.3	.4	.5	.5	.4	.2	.2	.1	.1	.4	.2
275.	*	.3	1.1	1.4	.7	.5	.5	.8	.6	.5	.3	.4	.5	.5	.4	.2	.2	.1	.1	.4	.3
280.	*	.5	1.0	1.4	.8	.5	.6	.8	.6	.4	.3	.4	.5	.5	.4	.2	.2	.1	.0	.4	.3
285.	*	.5	1.0	1.4	.9	.5	.7	.8	.6	.3	.3	.4	.5	.5	.4	.2	.2	.1	.0	.4	.3
290.	*	.5	.8	1.3	.9	.5	.7	.8	.6	.3	.3	.5	.5	.5	.3	.2	.2	.1	.0	.5	.3
295.	*	.5	.9	1.4	1.0	.5	.8	.8	.5	.3	.4	.5	.5	.5	.3	.2	.2	.0	.0	.5	.4
300.	*	.7	.7	1.3	1.0	.6	.8	.8	.4	.3	.5	.5	.5	.5	.3	.2	.2	.0	.0	.5	.4
305.	*	.7	.8	1.3	1.1	.6	.8	.7	.4	.3	.4	.5	.4	.4	.4	.2	.2	.0	.0	.5	.3
310.	*	.6	.8	1.0	1.1	.7	.8	.6	.3	.4	.2	.4	.4	.4	.2	.2	.0	.0	.0	.5	.3
315.	*	.7	.9	1.0	1.1	.5	.7	.6	.3	.3	.2	.3	.3	.3	.1	.1	.0	.0	.0	.5	.4
320.	*	.6	.8	.9	1.0	.5	.6	.5	.3	.3	.2	.3	.3	.2	.1	.0	.0	.0	.0	.4	.4
325.	*	.6	.7	.8	.8	.3	.6	.5	.3	.3	.1	.1	.1	.1	.1	.0	.0	.0	.0	.5	.5
330.	*	.6	.6	.5	.6	.3	.6	.4	.3	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0	.5	.4
335.	*	.6	.5	.4	.4	.1	.6	.4	.3	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0	.5	.5
340.	*	.6	.5	.3	.2	.0	.6	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
345.	*	.6	.4	.3	.2	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
350.	*	.6	.4	.1	.1	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3
355.	*	.6	.4	.1	.1	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
360.	*	.6	.3	.1	.0	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6
MAX	*	1.0	1.4	1.4	1.1	.7	.8	.8	.6	.5	.8	.7	.6	.5	.5	1.1	1.1	.9	.8	.6	.8
DEGR.	*	175	230	295	305	310	295	275	265	275	145	140	145	175	170	155	165	205	210	15	15

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JOB: S15 450&amp;410 HBRT 2015AM

RUN: S15 450&amp;410 HBRT 2015AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION															
ANGLE	*	(PPM)															
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
0.	*	.7	.7	.4	.7	.6	.5	.5	.5	.8	.7	.8	.8	.3	.2	.2	.1
5.	*	.7	.7	.4	.6	.4	.5	.5	.5	.8	.7	.7	.8	.2	.2	.2	.1
10.	*	.7	.6	.4	.7	.5	.5	.4	.5	.8	.7	.6	.8	.4	.2	.2	.1
15.	*	.8	.5	.4	.5	.6	.4	.3	.4	.8	.7	.6	.8	.3	.3	.2	.1
20.	*	.7	.5	.4	.7	.6	.5	.3	.4	.8	.7	.6	.6	.2	.3	.3	.1
25.	*	.7	.5	.4	.6	.3	.5	.3	.4	.8	.7	.6	.6	.3	.3	.3	.1
30.	*	.7	.5	.4	.4	.3	.3	.3	.4	.8	.7	.6	.6	.4	.5	.5	.2
35.	*	.6	.4	.4	.4	.4	.3	.0	.4	.8	.8	.6	.6	.5	.5	.5	.3
40.	*	.6	.4	.4	.5	.5	.2	.0	.4	.8	.8	.6	.6	.6	.6	.9	.4
45.	*	.6	.4	.4	.3	.3	.1	.0	.5	.8	.8	.6	.6	.6	.8	.9	.4
50.	*	.6	.4	.4	.2	.2	.1	.0	.6	.8	.8	.6	.7	.7	.9	.9	.5
55.	*	.6	.4	.4	.2	.2	.1	.0	.7	1.1	.8	.6	.6	.7	.8	.8	.5
60.	*	.5	.4	.4	.2	.2	.1	.0	.7	1.1	.8	.6	.6	.6	.7	.8	.5
65.	*	.5	.4	.4	.2	.2	.1	.0	.7	1.1	.8	.6	.6	.6	.9	.8	.5
70.	*	.5	.4	.4	.2	.2	.0	.0	.5	1.2	.9	.6	.6	.5	.9	.8	.5
75.	*	.4	.4	.4	.2	.2	.0	.0	.5	1.3	1.0	.6	.6	.6	.9	.7	.5
80.	*	.4	.4	.4	.2	.3	.1	.0	.5	1.3	.9	.6	.6	.7	1.0	.7	.5

85.	*	.4	.4	.4	.3	.2	.1	.0	.2	1.1	.9	.6	.6	.7	.9	.5	.5
90.	*	.4	.4	.4	.3	.2	.1	.0	.4	1.0	.9	.6	.8	.8	.8	.5	.5
95.	*	.4	.4	.4	.3	.2	.1	.0	.5	.9	.9	.7	.8	.8	.8	.6	.5
100.	*	.4	.4	.4	.3	.2	.1	.0	.5	.8	.9	.7	.8	.8	.8	.6	.4
105.	*	.5	.4	.4	.3	.2	.1	.0	.5	.5	.9	.8	.8	1.1	.7	.6	.4
110.	*	.5	.5	.4	.3	.2	.1	.0	.5	.6	1.0	.8	.8	1.1	.7	.6	.4
115.	*	.5	.5	.4	.3	.2	.0	.0	.7	.6	1.0	.8	1.0	1.1	.7	.5	.4
120.	*	.6	.5	.4	.3	.2	.0	.0	.7	.6	.9	.9	1.0	1.0	.7	.5	.5
125.	*	.5	.5	.4	.3	.1	.0	.0	.7	.7	.9	.8	.9	1.0	.7	.5	.5
130.	*	.5	.4	.4	.3	.0	.0	.0	.6	.7	1.1	.7	.8	.9	.5	.5	.4
135.	*	.4	.4	.4	.1	.0	.0	.0	.8	.7	.8	.8	.7	.7	.5	.5	.4
140.	*	.4	.4	.3	.0	.0	.0	.0	.8	.5	.6	.6	.6	.6	.5	.5	.4
145.	*	.2	.1	.1	.0	.0	.0	.0	.6	.3	.4	.4	.4	.6	.5	.5	.4
150.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.3	.2	.3	.6	.5	.5	.5
155.	*	.1	.1	.1	.0	.0	.0	.0	.5	.2	.1	.2	.2	.6	.5	.5	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.5	.5	.5	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.5	.6	.6	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.6	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.6	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.6	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.7	.6	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.6	.7	.7	.4
195.	*	.0	.0	.0	.0	.0	.0	.0	.5	.1	.1	.0	.0	.7	.7	.7	.4
200.	*	.0	.0	.0	.1	.0	.1	.0	.4	.1	.1	.0	.0	.7	.7	.7	.3
205.	*	.0	.0	.0	.1	.1	.1	.0	.4	.1	.0	.0	.0	.7	.7	.7	.3

1

JOB: S15 450&410 HBRT 2015AM

RUN: S15 450&410 HBRT 2015AM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.2	.2	.1	.2	.1	.0	.0	.0	.6	.7	.6	.2
215.	*	.0	.0	.0	.3	.3	.3	.1	.1	.0	.0	.0	.0	.4	.4	.4	.2
220.	*	.0	.0	.0	.5	.4	.4	.2	.1	.0	.0	.0	.0	.3	.4	.3	.1
225.	*	.0	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.2	.3	.2	.1
230.	*	.1	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.1	.2	.2	.0
235.	*	.1	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.1	.1	.1	.0
240.	*	.1	.1	.0	.5	.5	.5	.3	.0	.0	.0	.0	.0	.1	.1	.1	.0
245.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
250.	*	.2	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0
255.	*	.2	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.2	.2	.0	.4	.4	.4	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0
310.	*	.3	.4	.1	.4	.4	.4	.3	.1	.1	.1	.2	.2	.0	.0	.0	.0
315.	*	.4	.4	.1	.5	.4	.4	.3	.1	.4	.3	.3	.2	.0	.0	.0	.0
320.	*	.4	.3	.2	.6	.4	.4	.3	.2	.5	.4	.4	.4	.1	.0	.0	.0
325.	*	.5	.3	.3	.7	.5	.4	.3	.3	.6	.4	.5	.5	.1	.0	.0	.0
330.	*	.5	.4	.4	.7	.5	.4	.3	.6	.9	.6	.7	.6	.1	.1	.0	.0
335.	*	.4	.5	.5	.7	.5	.5	.3	.5	1.0	.6	.8	.7	.2	.1	.0	.0
340.	*	.3	.4	.5	.9	.5	.5	.3	.6	1.0	.7	.8	.8	.3	.1	.1	.0
345.	*	.4	.6	.5	.9	.5	.5	.4	.6	.9	.7	.8	.8	.3	.1	.1	.0
350.	*	.5	.7	.5	1.0	.6	.5	.5	.6	.9	.7	.8	.8	.3	.2	.1	.0
355.	*	.6	.8	.4	.9	.6	.5	.5	.6	.8	.7	.8	.8	.3	.2	.1	.0
360.	*	.7	.7	.4	.7	.6	.5	.5	.5	.8	.7	.8	.8	.3	.2	.2	.1

MAX	*	.8	.8	.5	1.0	.6	.5	.5	.8	1.3	1.1	.9	1.0	1.1	1.0	.9	.5
DEGR.	*	15	355	335	350	0	0	0	135	75	130	120	115	105	80	40	50

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 295 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 230 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 75 DEGREES FROM REC29 .

S15 450&410 HBRT 2015PM			60.0321.0.0000.000360.30450000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345222.	468114.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344912.	468132.	5.		
NE 82N	344861.	468167.	5.		
NE 164N	344808.	468234.	5.		
NE 256N	344755.	468300.	5.		
NE MIDN	344597.	468503.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344808.	467971.	5.		
NW 82N	344766.	468057.	5.		
NW 164N	344701.	468137.	5.		
NW 256N	344632.	468229.	5.		
NW MIDN	344512.	468388.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 HBRT 2015PM			46 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	170 3.5 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
100	84	2.0 170 37.8 1770 1 3			
1					
EBT	MD450	AG344936.467959.344859.467847.	1530 3.5 0. 56	29	
2					
EBT	MD450	AG344897.467902.344860.467850.	0. 36 3		
100	61	2.0 1530 37.8 1695 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	585 3.5 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	585 3.5 0. 32	29	
1					
EBALL	MD450	AG344853.467847.344433.467130.	2285 3.5 0. 56	29	
1					
EBDP	MD450	AG345880.468271.345659.468292.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345659.468292.345450.468269.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345450.468269.345248.468198.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345248.468198.345050.468067.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345050.468067.344940.467962.	1935 3.5 0. 56	29	
1					
WBL	MD450	AG344933.467991.345099.468146.	245 3.6 0. 32	26	
2					
WBL	MD450	AG344984.468039.345061.468111.	0. 12 1		
100	88	2.0 245 37.8 1717 1 3			
1					
WBT	MD450	AG344906.468011.345078.468163.	1190 3.6 0. 68	26	
2					
WBT	MD450	AG344962.468061.345064.468150.	0. 48 4		
100	65	2.0 1190 37.8 1695 1 3			
1					
WBR	MD450	AG344908.468064.345062.468182.	145 3.6 0. 32	26	
1					
WBALL	MD450	AG345085.468164.345289.468271.	1580 3.6 0. 68	26	
1					
WBALL	MD450	AG345289.468271.345444.468318.	1580 3.6 0. 56	26	
1					
WBALL	MD450	AG345444.468318.345625.468339.	1580 3.6 0. 56	26	
1					
WBALL	MD450	AG345625.468339.345867.468318.	1580 3.6 0. 56	26	
1					
WBDP	MD450	AG344373.467163.344906.468011.	1920 3.6 0. 56	26	
1					
NBL	MD410	AG344947.467990.345074.467835.	490 4.3 0. 32	50	
2					
NBL	MD410	AG344991.467936.345045.467871.	0. 12 1		
100	73	2.0 490 37.8 1770 1 3			
1					
NBT&R	MD410	AG344969.468004.345090.467849.	915 4.3 0. 56	50	
2					
NBT&R	MD410	AG345015.467946.345074.467870.	0. 36 3		

[illegible]

JOB: S15 450&410 HBRT 2015PM  
DATE: 10/07/2007 TIME: 00:53:02.21

RUN: S15 450&410 HBRT 2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	MD450	* 344576.5	467509.4	344503.6	467394.6	*	136.	212. AG	170.	3.5	.0	32.0	
2. EBL	MD450	* 344542.6	467456.5	344494.1	467378.3	*	92.	212. AG	85.	100.0	.0	12.0	.80 4.7
3. EBT	MD450	* 344596.5	467498.4	344519.6	467386.6	*	136.	215. AG	1530.	3.5	.0	55.9	
4. EBT	MD450	* 344557.6	467441.5	344445.6	467284.0	*	193.	215. AG	186.	100.0	.0	36.0	.86 9.8
5. EBR	MD450	* 344645.5	467381.5	344595.5	467398.6	*	53.	289. AG	585.	3.5	.0	32.0	
6. EBR	MD450	* 344595.5	467398.6	344539.6	467380.6	*	59.	252. AG	585.	3.5	.0	32.0	
7. EBALL	MD450	* 344513.6	467386.6	344094.0	466670.3	*	830.	210. AG	2285.	3.5	.0	55.9	
8. EBDP	MD450	* 345539.6	467810.1	345318.8	467831.1	*	222.	275. AG	1935.	3.5	.0	55.9	
9. EBDP	MD450	* 345318.8	467831.1	345110.0	467808.1	*	210.	264. AG	1935.	3.5	.0	55.9	
10. EBDP	MD450	* 345110.0	467808.1	344908.2	467737.2	*	214.	251. AG	1935.	3.5	.0	55.9	
11. EBDP	MD450	* 344908.2	467737.2	344710.4	467606.3	*	237.	237. AG	1935.	3.5	.0	55.9	
12. EBDP	MD450	* 344710.4	467606.3	344600.5	467501.4	*	152.	226. AG	1935.	3.5	.0	55.9	
13. WBL	MD450	* 344593.5	467530.4	344759.3	467685.3	*	227.	47. AG	245.	3.6	.0	32.0	
14. WBL	MD450	* 344644.5	467578.3	345581.4	468455.0	*	1283.	47. AG	89.	100.0	.0	12.0	1.79 65.2
15. WBT	MD450	* 344566.5	467550.4	344738.4	467702.2	*	229.	49. AG	1190.	3.6	.0	67.9	
16. WBT	MD450	* 344622.5	467600.3	344702.0	467669.7	*	106.	49. AG	264.	100.0	.0	48.0	.57 5.4
17. WBR	MD450	* 344568.5	467603.4	344722.4	467721.2	*	194.	53. AG	145.	3.6	.0	32.0	
18. WBALL	MD450	* 344745.4	467703.2	344949.2	467810.1	*	230.	62. AG	1580.	3.6	.0	67.9	
19. WBALL	MD450	* 344949.2	467810.1	345104.0	467857.1	*	162.	73. AG	1580.	3.6	.0	55.9	
20. WBALL	MD450	* 345104.0	467857.1	345284.8	467878.1	*	182.	83. AG	1580.	3.6	.0	55.9	
21. WBALL	MD450	* 345284.8	467878.1	345526.6	467857.1	*	243.	95. AG	1580.	3.6	.0	55.9	
22. WBDP	MD450	* 344034.1	466703.2	344566.5	467550.4	*	1001.	32. AG	1920.	3.6	.0	55.9	
23. NBL	MD410	* 344607.5	467529.4	344734.4	467374.6	*	200.	141. AG	490.	4.3	.0	32.0	
24. NBL	MD410	* 344651.5	467475.4	345374.0	466605.6	*	1131.	140. AG	74.	100.0	.0	12.0	1.20 57.4
25. NBT&R	MD410	* 344629.5	467543.4	344750.4	467388.6	*	196.	142. AG	915.	4.3	.0	55.9	
26. NBT&R	MD410	* 344675.4	467485.4	344737.8	467405.1	*	102.	142. AG	186.	100.0	.0	36.0	.51 5.2
27. NBR	MD410	* 344681.4	467570.4	344681.4	467487.4	*	83.	180. AG	235.	4.3	.0	32.0	
28. NBALL	MD410	* 344745.4	467378.6	345217.9	466774.2	*	767.	142. AG	1405.	4.3	.0	55.9	
29. NBDP	MD410	* 343974.1	468335.6	344613.5	467537.4	*	1023.	141. AG	995.	4.3	.0	44.0	
30. SBL	MD410	* 344565.5	467516.4	344376.7	467749.2	*	300.	321. AG	170.	4.3	.0	44.0	
31. SBL	MD410	* 344507.6	467588.3	344483.0	467618.6	*	39.	321. AG	170.	100.0	.0	24.0	.45 2.0
32. SBT	MD410	* 344544.6	467500.4	344359.8	467736.2	*	300.	322. AG	900.	4.3	.0	44.0	
33. SBT	MD410	* 344484.6	467578.3	344148.2	468000.1	*	540.	321. AG	146.	100.0	.0	24.0	1.06 27.4
34. SBR	MD410	* 344485.6	467428.5	344485.6	467532.4	*	104.	360. AG	240.	4.3	.0	32.0	
35. SBR	MD410	* 344485.6	467532.4	344452.7	467594.3	*	70.	332. AG	240.	4.3	.0	32.0	
36. SBR	MD410	* 344452.7	467594.3	344347.8	467725.2	*	168.	321. AG	240.	4.3	.0	32.0	
37. SBR	MD410	* 344448.7	467599.4	344389.6	467673.1	*	94.	321. AG	73.	100.0	.0	12.0	.63 4.8
38. SBALL	MD410	* 344359.8	467740.2	343916.2	468290.6	*	707.	321. AG	1310.	4.3	.0	55.9	
39. SBDP	MD410	* 345165.9	466733.2	344563.5	467509.4	*	983.	322. AG	1730.	4.3	.0	44.0	
40. SBT	410BUS	* 344569.5	467540.4	343948.2	468315.7	*	994.	321. AG	34.	1.5	.0	32.0	
41. SBT	410BUS	* 344512.6	467610.3	344504.2	467620.8	*	13.	321. AG	49.	100.0	.0	12.0	.08 .7
42. SBDP	410BUS	* 345190.9	466752.2	344572.5	467535.4	*	998.	322. AG	34.	1.5	.0	32.0	
43. NBT	410BUS	* 344584.5	467540.4	345075.1	466924.0	*	788.	141. AG	34.	1.5	.0	32.0	
44. NBT	410BUS	* 344661.5	467444.5	344668.5	467435.6	*	11.	142. AG	41.	100.0	.0	12.0	.05 .6

JOB: S15 450&410 HBRT 2015PM  
DATE: 10/07/2007 TIME: 00:53:02.21

RUN: S15 450&410 HBRT 2015PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. NBT	410BUS	* 345075.1	466924.0	345200.9	466757.1	*	209.	143. AG	34.	1.5	.0	32.0	
46. NBDP	410BUS	* 343959.1	468324.6	344584.5	467538.4	*	1005.	142. AG	34.	1.5	.0	32.0	

JOB: S15 450&410 HBRT 2015PM  
DATE: 10/07/2007 TIME: 00:53:02.21

RUN: S15 450&410 HBRT 2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 100	84	2.0	170	1770	37.80	1	3
4. EBT	MD450	* 100	61	2.0	1530	1695	37.80	1	3
14. WBL	MD450	* 100	88	2.0	245	1717	37.80	1	3
16. WBT	MD450	* 100	65	2.0	1190	1695	37.80	1	3
24. NBL	MD410	* 100	73	2.0	490	1770	37.80	1	3
26. NBT&R	MD410	* 100	61	2.0	915	1707	37.80	1	3
31. SBL	MD410	* 100	84	2.0	170	1583	37.80	1	3
33. SBT	MD410	* 100	72	2.0	900	1770	37.80	1	3
37. SBR	MD410	* 100	72	2.0	240	1583	37.80	1	3
41. SBT	410BUS	* 100	72	2.0	34	1770	25.30	1	3
44. NBT	410BUS	* 100	61	2.0	34	1770	25.30	1	3



# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SE COR	*	344706.4	467517.4	5.0	*
2. SE 82S	*	344723.4	467468.5	5.0	*
3. SE 164S	*	344772.3	467400.6	5.0	*
4. SE 256S	*	344824.3	467329.6	5.0	*
5. SE MIDS	*	344958.1	467174.7	5.0	*
6. SE 82E	*	344744.4	467567.4	5.0	*
7. SE 164E	*	344811.3	467619.3	5.0	*
8. SE 256E	*	344882.2	467653.3	5.0	*
9. SE MIDE	*	345044.1	467724.2	5.0	*
10. NE COR	*	344572.5	467671.3	5.0	*
11. NE 82N	*	344521.6	467706.2	5.0	*
12. NE 164N	*	344468.6	467773.2	5.0	*
13. NE 256N	*	344415.7	467839.1	5.0	*
14. NE MIDN	*	344257.8	468041.9	5.0	*
15. NE 82E	*	344621.5	467686.2	5.0	*
16. NE 164E	*	344692.4	467742.2	5.0	*
17. NE 256E	*	344758.3	467782.2	5.0	*
18. NE MIDE	*	344938.2	467866.1	5.0	*
19. SW COR	*	344606.5	467375.5	5.0	*
20. SW 82S	*	344646.5	467345.6	5.0	*
21. SW 164S	*	344687.4	467295.6	5.0	*
22. SW 256S	*	344739.4	467227.7	5.0	*
23. SW MIDS	*	344854.3	467076.8	5.0	*
24. SW 82W	*	344531.6	467338.6	5.0	*
25. SW 164W	*	344499.6	467280.6	5.0	*
26. SW 256W	*	344455.7	467207.7	5.0	*
27. SW MIDW	*	344356.8	467021.9	5.0	*
28. NW COR	*	344468.6	467510.4	5.0	*
29. NW 82N	*	344426.7	467596.3	5.0	*
30. NW 164N	*	344361.8	467676.2	5.0	*
31. NW 256N	*	344292.8	467768.2	5.0	*
32. NW MIDN	*	344172.9	467927.0	5.0	*
33. NW 82W	*	344461.6	467440.5	5.0	*
34. NW 164W	*	344424.7	467370.6	5.0	*

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JOB: S15 450&410 HBRT 2015PM  
DATE: 10/07/2007 TIME: 00:53:02.21

RUN: S15 450&410 HBRT 2015PM

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# RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
35. NW 256W	*	344372.7	467291.6	5.0	*
36. NW MIDW	*	344234.9	467103.8	5.0	*

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JOB: S15 450&410 HBRT 2015PM

RUN: S15 450&410 HBRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE (DEGR)	* REC1	* REC2	* REC3	* REC4	* REC5	* REC6	* REC7	* REC8	* REC9	* REC10	* REC11	* REC12	* REC13	* REC14	* REC15	* REC16	* REC17	* REC18	* REC19	* REC20
0.	*	.5	.3	.2	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
5.	*	.4	.3	.2	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
10.	*	.4	.2	.2	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8
15.	*	.4	.2	.1	.0	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
20.	*	.2	.2	.1	.0	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.1	.6	.8
25.	*	.3	.2	.1	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.1	.7	.7
30.	*	.3	.2	.1	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7
35.	*	.2	.2	.0	.0	.0	.4	.4	.2	.4	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7
40.	*	.2	.1	.0	.0	.0	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.3	.7	.7
45.	*	.2	.0	.0	.0	.0	.2	.3	.2	.3	.0	.0	.0	.0	.1	.1	.1	.4	.8	.6
50.	*	.2	.0	.0	.0	.0	.2	.3	.1	.3	.1	.0	.0	.0	.1	.1	.1	.5	.7	.5
55.	*	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.0	.1	.1	.1	.5	.7	.4
60.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.2	.1	.1	.5	.6	.4
65.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.2	.2	.1	.5	.6	.4
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.1	.0	.2	.2	.1	.5	.5	.3
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.1	.0	.3	.2	.2	.4	.5	.4
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.5	.2	.2	.4	.5	.4
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.1	.0	.5	.3	.3	.5	.5	.4
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.6	.3	.3	.6	.3	.4
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.5	.3	.3	.6	.4	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.6	.3	.3	.5	.4	.4
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4	.1	.0	.6	.3	.3	.5	.4	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.0	.7	.3	.3	.6	.4	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.1	.1	.7	.3	.3	.5	.4	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	.1	.1	.7	.3	.3	.5	.4	.5

125.	*	.0	.0	.1	.1	.0	.0	.0	.0	.0	.7	.3	.1	.1	.0	.8	.3	.3	.5	.4	.5
130.	*	.0	.1	.1	.1	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.3	.3	.5	.4	.5
135.	*	.1	.4	.2	.3	.2	.0	.0	.0	.0	.5	.4	.2	.2	.1	.8	.3	.3	.5	.4	.5
140.	*	.3	.4	.3	.3	.2	.0	.0	.0	.0	.7	.6	.4	.2	.1	.8	.3	.3	.5	.2	.4
145.	*	.4	.6	.4	.4	.3	.1	.0	.0	.0	.8	.6	.4	.3	.2	.9	.3	.3	.5	.1	.2
150.	*	.5	.7	.5	.6	.4	.2	.0	.0	.0	.8	.5	.2	.2	.2	1.2	.4	.3	.5	.1	.1
155.	*	.6	.7	.6	.6	.4	.3	.0	.0	.0	.6	.3	.2	.4	.3	1.2	.4	.3	.5	.0	.1
160.	*	.6	.8	.6	.6	.4	.3	.1	.0	.0	.7	.2	.3	.3	.3	1.0	.6	.3	.5	.0	.0
165.	*	.7	.8	.5	.6	.4	.3	.1	.0	.0	.4	.3	.3	.4	.5	.9	.7	.3	.6	.0	.0
170.	*	.7	.9	.4	.5	.4	.4	.3	.0	.0	.3	.4	.5	.4	.4	.8	.7	.3	.6	.0	.0
175.	*	.7	.9	.4	.4	.4	.4	.2	.0	.0	.5	.3	.4	.5	.4	.7	.8	.4	.5	.0	.0
180.	*	.7	.8	.4	.4	.4	.3	.2	.0	.0	.5	.4	.6	.5	.4	.6	.8	.4	.6	.0	.0
185.	*	.7	.9	.4	.4	.4	.3	.1	.0	.0	.3	.5	.6	.5	.4	.6	.9	.5	.6	.0	.0
190.	*	.7	.9	.4	.4	.4	.4	.1	.0	.0	.4	.6	.5	.4	.4	.6	.8	.5	.6	.0	.0
195.	*	.7	.9	.4	.4	.4	.5	.2	.0	.0	.4	.7	.5	.3	.4	.5	.8	.5	.6	.0	.0
200.	*	.7	.9	.4	.4	.4	.5	.2	.0	.0	.4	.6	.5	.3	.4	.6	.9	.4	.6	.0	.0
205.	*	.6	.8	.4	.4	.4	.5	.2	.0	.0	.4	.6	.4	.3	.4	.6	.8	.6	.7	.0	.0

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JOB: S15 450&410 HBRT 2015PM

RUN: S15 450&410 HBRT 2015PM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.7	.8	.3	.4	.4	.5	.2	.1	.0	.5	.5	.4	.3	.4	.4	.7	.7	.7	.1	.0
215.	*	.8	.9	.3	.4	.4	.5	.3	.1	.0	.3	.3	.3	.4	.4	.4	.6	.6	.7	.1	.1
220.	*	.8	.9	.3	.4	.4	.6	.5	.2	.0	.4	.3	.3	.4	.3	.2	.4	.4	.8	.2	.1
225.	*	.8	1.1	.4	.4	.4	.6	.4	.4	.0	.3	.4	.3	.4	.3	.2	.2	.4	.7	.4	.2
230.	*	.8	1.2	.4	.4	.4	.6	.5	.4	.0	.3	.4	.3	.4	.3	.3	.1	.2	.5	.4	.2
235.	*	.8	1.2	.6	.5	.4	.6	.3	.2	.0	.3	.4	.3	.4	.3	.3	.1	.1	.5	.4	.2
240.	*	.7	1.1	.6	.5	.4	.5	.3	.2	.0	.3	.4	.3	.4	.3	.3	.1	.2	.4	.5	.2
245.	*	.6	1.2	.6	.5	.4	.3	.3	.3	.1	.3	.4	.3	.4	.3	.2	.1	.1	.1	.4	.3
250.	*	.6	1.0	.7	.5	.4	.2	.3	.2	.2	.2	.3	.3	.4	.3	.2	.1	.1	.1	.5	.3
255.	*	.6	1.1	.7	.5	.4	.3	.4	.3	.2	.2	.3	.3	.4	.3	.2	.1	.1	.1	.5	.3
260.	*	.4	1.1	.7	.6	.4	.3	.6	.3	.3	.2	.3	.4	.4	.2	.2	.1	.1	.1	.5	.4
265.	*	.4	1.1	.7	.5	.4	.2	.6	.5	.5	.2	.3	.4	.4	.2	.2	.1	.1	.1	.5	.4
270.	*	.3	1.1	.7	.5	.4	.3	.7	.5	.4	.3	.3	.4	.4	.2	.2	.1	.1	.0	.5	.4
275.	*	.3	.9	.8	.5	.4	.5	.8	.5	.4	.3	.3	.4	.4	.2	.2	.1	.1	.0	.5	.4
280.	*	.3	.8	.8	.5	.4	.8	.7	.5	.3	.3	.3	.4	.4	.2	.2	.1	.1	.0	.8	.4
285.	*	.4	.8	.8	.5	.4	.8	.7	.5	.3	.3	.4	.4	.4	.2	.2	.1	.1	.0	.7	.4
290.	*	.4	.8	.7	.6	.5	.8	.7	.5	.3	.3	.5	.5	.5	.2	.2	.1	.0	.0	.7	.3
295.	*	.4	.8	1.0	.6	.4	.8	.7	.4	.4	.4	.5	.5	.4	.2	.3	.1	.0	.0	.7	.3
300.	*	.6	.7	1.0	.6	.4	.8	.6	.4	.4	.3	.5	.4	.4	.2	.3	.0	.0	.0	.7	.4
305.	*	.5	.7	.9	.7	.4	.8	.5	.4	.4	.3	.4	.4	.4	.2	.3	.0	.0	.0	.6	.4
310.	*	.5	.7	.8	.7	.4	.9	.4	.3	.3	.3	.4	.4	.4	.1	.2	.0	.0	.0	.7	.4
315.	*	.6	.7	1.0	.6	.3	.7	.3	.3	.2	.3	.4	.3	.2	.1	.1	.0	.0	.0	.6	.5
320.	*	.7	.6	.8	.7	.2	.7	.3	.4	.3	.1	.1	.1	.1	.1	.0	.0	.0	.0	.5	.5
325.	*	.6	.5	.7	.4	.2	.7	.4	.4	.3	.1	.1	.1	.1	.1	.0	.0	.0	.0	.5	.5
330.	*	.6	.4	.5	.3	.1	.6	.4	.4	.3	.0	.1	.1	.1	.0	.0	.0	.0	.0	.7	.6
335.	*	.6	.4	.3	.2	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4
340.	*	.6	.4	.3	.1	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4
345.	*	.6	.4	.1	.1	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3
350.	*	.5	.4	.2	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3
355.	*	.5	.3	.2	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
360.	*	.5	.3	.2	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
MAX	*	.8	1.2	1.0	.7	.5	.9	.8	.5	.5	.8	.7	.6	.5	.5	1.2	.9	.7	.8	.8	.8
DEGR.	*	215	230	295	305	290	310	275	265	265	145	195	180	175	165	150	185	210	220	280	10

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JOB: S15 450&410 HBRT 2015PM

RUN: S15 450&410 HBRT 2015PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																			
ANGLE *	(PPM)																		
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36			
0.	*	.7	.5	.4	.8	.9	.8	.4	.5	.8	.7	.7	.7	.2	.2	.1	.0		
5.	*	.7	.5	.4	.8	.8	.7	.3	.5	.8	.7	.7	.7	.2	.2	.2	.1		
10.	*	.7	.5	.4	.9	.9	.6	.4	.5	.8	.6	.7	.7	.2	.2	.2	.1		
15.	*	.6	.4	.4	.7	.9	.6	.4	.4	.7	.5	.7	.7	.3	.2	.2	.0		
20.	*	.5	.4	.4	.6	.7	.6	.4	.4	.7	.5	.7	.7	.2	.2	.2	.1		
25.	*	.5	.4	.4	.6	.6	.6	.4	.4	.7	.5	.7	.7	.2	.2	.2	.1		
30.	*	.5	.4	.4	.6	.7	.4	.2	.3	.7	.5	.7	.7	.3	.4	.3	.1		
35.	*	.4	.4	.4	.5	.4	.3	.2	.3	.7	.5	.7	.7	.3	.4	.5	.3		
40.	*	.4	.4	.4	.4	.4	.2	.1	.2	.7	.5	.7	.7	.4	.5	.6	.4		
45.	*	.4	.4	.4	.3	.3	.1	.0	.3	.7	.5	.6	.7	.5	.6	.8	.4		
50.	*	.4	.4	.4	.2	.2	.1	.0	.4	.7	.5	.6	.7	.5	.8	.7	.5		
55.	*	.4	.4	.4	.2	.2	.1	.0	.6	.9	.5	.6	.7	.6	.8	.7	.4		
60.	*	.4	.4	.4	.2	.2	.1	.0	.6	1.0	.5	.7	.7	.7	.8	.7	.4		
65.	*	.4	.4	.4	.2	.1	.1	.0	.6	.9	.5	.7	.7	.6	.9	.7	.3		
70.	*	.4	.4	.4	.2	.1	.1	.0	.6	.9	.6	.7	.7	.5	1.1	.8	.3		
75.	*	.4	.4	.4	.2	.1	.1	.0	.4	.9	.6	.7	.7	.6	1.1	.8	.3		
80.	*	.4	.4	.4	.1	.1	.1	.0	.4	1.0	.6	.7	.7	.7	1.1	.9	.3		

85.	*	.4	.4	.4	.1	.1	.1	.0	.3	1.1	.7	.7	.7	.7	.9	.6	.3
90.	*	.4	.4	.4	.1	.1	.1	.0	.5	.9	.7	.7	.7	.8	.7	.7	.3
95.	*	.4	.4	.4	.3	.1	.1	.0	.4	.8	.8	.7	.7	.8	.7	.7	.3
100.	*	.4	.4	.4	.3	.2	.1	.0	.3	.6	.8	.8	.8	.9	.7	.5	.3
105.	*	.5	.5	.4	.3	.2	.1	.0	.4	.4	.8	.7	.8	.8	.7	.5	.3
110.	*	.5	.5	.5	.3	.2	.1	.0	.5	.4	.8	.7	.8	.9	.7	.5	.3
115.	*	.5	.5	.5	.3	.1	.1	.0	.5	.5	.7	.8	.8	1.0	.8	.4	.3
120.	*	.5	.5	.5	.3	.1	.0	.0	.7	.6	.7	.8	.9	1.0	.8	.3	.3
125.	*	.5	.5	.5	.3	.1	.0	.0	.7	.6	.8	.6	.9	1.0	.8	.3	.3
130.	*	.5	.5	.5	.1	.0	.0	.0	.6	.5	.6	.7	.7	.9	.8	.4	.3
135.	*	.5	.5	.2	.1	.0	.0	.0	.6	.5	.6	.6	.6	.8	.7	.4	.3
140.	*	.4	.2	.2	.0	.0	.0	.0	.6	.4	.5	.5	.6	.8	.7	.4	.3
145.	*	.2	.2	.1	.0	.0	.0	.0	.6	.3	.6	.5	.5	.7	.7	.4	.3
150.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.3	.2	.3	.7	.7	.4	.3
155.	*	.1	.1	.1	.0	.0	.0	.0	.5	.2	.2	.2	.2	.6	.7	.4	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.2	.1	.2	.6	.6	.4	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.0	.0	.7	.7	.5	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.3	.0	.0	.8	.7	.5	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.8	.6	.5	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.7	.6	.5	.3
185.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.0	.0	.7	.6	.5	.3
190.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.0	.0	.6	.6	.5	.3
195.	*	.0	.0	.0	.1	.1	.1	.0	.4	.2	.0	.0	.0	.6	.6	.6	.3
200.	*	.0	.0	.0	.1	.1	.1	.1	.3	.2	.0	.0	.0	.6	.6	.5	.3
205.	*	.0	.0	.0	.2	.1	.1	.1	.3	.1	.0	.0	.0	.4	.5	.5	.3

1

JOB: S15 450&410 HBRT 2015PM

RUN: S15 450&410 HBRT 2015PM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.3	.2	.1	.2	.0	.0	.0	.0	.4	.5	.4	.2
215.	*	.0	.0	.0	.5	.3	.3	.2	.1	.0	.0	.0	.0	.4	.4	.4	.1
220.	*	.0	.0	.0	.5	.4	.4	.3	.1	.0	.0	.0	.0	.2	.3	.2	.1
225.	*	.1	.0	.0	.6	.4	.4	.3	.0	.0	.0	.0	.1	.2	.2	.0	.0
230.	*	.1	.0	.0	.6	.4	.4	.3	.0	.0	.0	.0	.1	.1	.1	.0	.0
235.	*	.2	.1	.0	.7	.4	.4	.3	.0	.0	.0	.0	.1	.1	.1	.0	.0
240.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.1	.1	.0	.0
245.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0
250.	*	.2	.1	.0	.8	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.1	.0	.8	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.1	.0	.8	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.1	.0	.8	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.2	.0	.8	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.2	.0	.8	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.1	.0	.8	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.8	.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.8	.7	.3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0
305.	*	.2	.1	.1	.8	.7	.3	.3	.0	.1	.0	.1	.1	.0	.0	.0	.0
310.	*	.4	.2	.2	.8	.7	.3	.3	.1	.1	.2	.2	.1	.0	.0	.0	.0
315.	*	.4	.3	.2	.9	.7	.3	.3	.1	.3	.2	.2	.2	.0	.0	.0	.0
320.	*	.3	.3	.2	1.0	.7	.3	.3	.2	.4	.3	.4	.3	.1	.0	.0	.0
325.	*	.4	.3	.2	1.0	.7	.3	.3	.3	.6	.5	.5	.4	.1	.0	.0	.0
330.	*	.4	.3	.2	1.0	.8	.3	.3	.4	.7	.5	.5	.5	.2	.1	.0	.0
335.	*	.4	.4	.4	1.0	.8	.4	.3	.7	.8	.7	.8	.5	.3	.1	.0	.0
340.	*	.3	.4	.5	1.0	.8	.5	.3	.6	.9	.7	.7	.7	.2	.1	.0	.0
345.	*	.5	.6	.5	1.0	.8	.5	.3	.6	.8	.7	.7	.7	.2	.1	.1	.0
350.	*	.5	.6	.5	1.0	.8	.6	.3	.5	.8	.7	.7	.7	.2	.1	.1	.0
355.	*	.6	.6	.5	1.0	.8	.7	.3	.5	.8	.7	.7	.7	.3	.1	.1	.0
360.	*	.7	.5	.4	.8	.9	.8	.4	.5	.8	.7	.7	.7	.2	.2	.1	.0

MAX	*	.7	.6	.5	1.0	.9	.8	.4	.7	1.1	.8	.8	.9	1.0	1.1	.9	.5
DEGR.	*	0	345	110	320	15	0	0	335	85	95	115	120	115	70	80	50

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 230 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 150 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 85 DEGREES FROM REC29.

S15 450&410 LLRT			60.0321.0.0000.000360.30480000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345217.	468125.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344925.	468158.	5.		
NE 82N	344898.	468202.	5.		
NE 164N	344846.	468265.	5.		
NE 256N	344789.	468333.	5.		
NE MIDN	344611.	468523.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344529.	468400.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 LLRT			46 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	245 3.5 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
100	84	2.0 245 37.8 1770 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	400 3.5 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	400 3.5 0. 32	29	
1					
EBALL	MD450	AG344859.467845.344399.467145.	1235 3.5 0. 56	29	
1					
EBT	MD450	AG344937.467963.344859.467844.	590 3.5 0. 56	29	
2					
EBT	MD450	AG344909.467920.344868.467859.	0. 36 3		
100	65	2.0 590 37.8 1695 1 3			
1					
EBDP	MD450	AG345883.468265.345717.468296.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345717.468296.345553.468296.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345553.468296.345385.468260.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345385.468260.345252.468209.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345252.468209.345112.468113.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345112.468113.344938.467965.	1135 3.5 0. 56	29	
1					
WBL	MD450	AG344916.468000.345132.468166.	415 3.5 0. 44	26	
2					
WBL	MD450	AG345024.468083.345126.468161.	0. 24 2		
100	80	2.0 415 37.8 1717 1 3			
1					
WBT	MD450	AG344914.468018.344990.468096.	1840 3.5 0. 56	26	
1					
WBT	MD450	AG344990.468096.345114.468193.	1840 3.5 0. 56	26	
2					
WBT	MD450	AG345000.468104.345104.468185.	0. 36 3		
100	61	2.0 1840 37.8 1695 1 3			
1					
WBR	MD450	AG344909.468152.344968.468134.	120 3.5 0. 32	26	
1					
WBR	MD450	AG344968.468134.345095.468204.	120 3.5 0. 32	26	
1					
WBALL	MD450	AG345117.468193.345250.468264.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345250.468264.345440.468317.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345440.468317.345585.468339.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345585.468339.345739.468339.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345739.468339.345867.468320.	2375 3.5 0. 56	26	
1					
WBDP	MD450	AG344359.467173.344913.468000.	2740 3.5 0. 56	26	
1					

NBL	MD410	AG344945.467976.345160.467717.	680	4.3	0.	32	50
2							
NBL	MD410	AG344992.467919.345088.467803.	0.	12	1		
100	70	2.0 680 37.8 1770 1 3					
1							
NBT&R	MD410	AG344972.468023.345034.467910.	1320	4.3	0.	56	50
1							
NBT&R	MD410	AG345033.467910.345178.467731.	1320	4.3	0.	56	50
2							
NBT&R	MD410	AG345044.467897.345138.467781.	0.	36	3		
100	61	2.0 1320 37.8 1707 1 3					
1							
NBR	MD410	AG345037.468044.345025.467973.	385	4.3	0.	32	50
1							
NBR	MD410	AG345025.467973.345057.467903.	385	4.3	0.	32	50
1							
NBALL	MD410	AG345173.467727.345569.467244.	2000	4.3	0.	56	50
1							
NBDP	MD410	AG344323.468807.344502.468586.	1300	4.3	0.	56	50
1							
NBDP	MD410	AG344502.468586.344647.468441.	1300	4.3	0.	56	50
1							
NBDP	MD410	AG344647.468441.344779.468293.	1300	4.3	0.	56	50
1							
NBDP	MD410	AG344779.468293.344966.468047.	1300	4.3	0.	56	50
1							
SBL	MD410	AG344939.467975.344609.468370.	415	4.3	0.	44	50
2							
SBL	MD410	AG344864.468055.344779.468166.	0.	24	2		
100	88	2.0 160 37.8 1717 1 3					
1							
SBT&R	MD410	AG344896.467966.344583.468350.	875	4.3	0.	68	50
2							
SBT&R	MD410	AG344836.468040.344692.468216.	0.	48	4		
100	79	2.0 875 37.8 1707 1 3					
1							
SBR	MD410	AG344828.467881.344811.468027.	220	4.3	0.	32	50
1							
SBR	MD410	AG344811.468027.344753.468131.	220	4.3	0.	32	50
1							
SBALL	MD410	AG344603.468364.344262.468768.	1035	4.3	0.	56	50
1							
SBDP	MD410	AG345520.467202.344896.467969.	1470	4.3	0.	56	50
1.0	04 1000	0Y 5 0 72					

JOB: S15 450&amp;410 LLRT

RUN: S15 450&amp;410 LLRT

DATE: 10/05/2007 TIME: 19:05:21.89

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. EBL	MD450	*	344916.0	467970.0	344843.0	467855.0	*	136.	212. AG	245.	3.5	.0	32.0	
2. EBL	MD450	*	344882.0	467917.0	344608.5	467475.4	*	519.	212. AG	85.	100.0	.0	12.0	1.16 26.4
3. EBR	MD450	*	344985.0	467842.0	344935.0	467859.0	*	53.	289. AG	400.	3.5	.0	32.0	
4. EBR	MD450	*	344935.0	467859.0	344879.0	467841.0	*	59.	252. AG	400.	3.5	.0	32.0	
5. EBALL	MD450	*	344859.0	467845.0	344399.0	467145.0	*	838.	213. AG	1235.	3.5	.0	56.0	
6. EBT	MD450	*	344937.0	467963.0	344859.0	467844.0	*	142.	213. AG	590.	3.5	.0	56.0	
7. EBT	MD450	*	344909.0	467920.0	344870.2	467862.2	*	70.	214. AG	198.	100.0	.0	36.0	.37 3.5
8. EBDP	MD450	*	345883.0	468265.0	345717.0	468296.0	*	169.	281. AG	1135.	3.5	.0	56.0	
9. EBDP	MD450	*	345717.0	468296.0	345553.0	468296.0	*	164.	270. AG	1135.	3.5	.0	56.0	
10. EBDP	MD450	*	345553.0	468296.0	345385.0	468260.0	*	172.	258. AG	1135.	3.5	.0	56.0	
11. EBDP	MD450	*	345385.0	468260.0	345252.0	468209.0	*	142.	249. AG	1135.	3.5	.0	56.0	
12. EBDP	MD450	*	345252.0	468209.0	345112.0	468113.0	*	170.	236. AG	1135.	3.5	.0	56.0	
13. EBDP	MD450	*	345112.0	468113.0	344938.0	467965.0	*	228.	230. AG	1135.	3.5	.0	56.0	
14. WBL	MD450	*	344916.0	468000.0	345132.0	468166.0	*	272.	52. AG	415.	3.5	.0	44.0	
15. WBL	MD450	*	345024.0	468083.0	345102.5	468143.0	*	99.	53. AG	162.	100.0	.0	24.0	.76 5.0
16. WBT	MD450	*	344914.0	468018.0	344990.0	468096.0	*	109.	44. AG	1840.	3.5	.0	56.0	
17. WBT	MD450	*	344990.0	468096.0	345114.0	468193.0	*	157.	52. AG	1840.	3.5	.0	56.0	
18. WBT	MD450	*	345000.0	468104.0	345413.3	468426.0	*	524.	52. AG	186.	100.0	.0	36.0	1.03 26.6
19. WBR	MD450	*	344909.0	468152.0	344968.0	468134.0	*	62.	107. AG	120.	3.5	.0	32.0	
20. WBR	MD450	*	344968.0	468134.0	345095.0	468204.0	*	145.	61. AG	120.	3.5	.0	32.0	
21. WBALL	MD450	*	345117.0	468193.0	345250.0	468264.0	*	151.	62. AG	2375.	3.5	.0	56.0	
22. WBALL	MD450	*	345250.0	468264.0	345440.0	468317.0	*	197.	74. AG	2375.	3.5	.0	56.0	
23. WBALL	MD450	*	345440.0	468317.0	345585.0	468339.0	*	147.	81. AG	2375.	3.5	.0	56.0	
24. WBALL	MD450	*	345585.0	468339.0	345739.0	468339.0	*	154.	90. AG	2375.	3.5	.0	56.0	
25. WBALL	MD450	*	345739.0	468339.0	345867.0	468320.0	*	129.	98. AG	2375.	3.5	.0	56.0	
26. WBDP	MD450	*	344359.0	467173.0	344913.0	468000.0	*	995.	34. AG	2740.	3.5	.0	56.0	
27. NBL	MD410	*	344945.0	467976.0	345160.0	467717.0	*	337.	140. AG	680.	4.3	.0	32.0	
28. NBL	MD410	*	344992.0	467919.0	346636.8	465931.2	*	2580.	140. AG	71.	100.0	.0	12.0	1.48 131.1
29. NBT&R	MD410	*	344972.0	468023.0	345034.0	467910.0	*	129.	151. AG	1320.	4.3	.0	56.0	
30. NBT&R	MD410	*	345033.0	467910.0	345178.0	467731.0	*	230.	141. AG	1320.	4.3	.0	56.0	
31. NBT&R	MD410	*	345044.0	467897.0	345136.4	467783.0	*	147.	141. AG	186.	100.0	.0	36.0	.74 7.5
32. NBR	MD410	*	345037.0	468044.0	345025.0	467973.0	*	72.	190. AG	385.	4.3	.0	32.0	
33. NBR	MD410	*	345025.0	467973.0	345057.0	467903.0	*	77.	155. AG	385.	4.3	.0	32.0	
34. NBALL	MD410	*	345173.0	467727.0	345569.0	467244.0	*	625.	141. AG	2000.	4.3	.0	56.0	
35. NBDP	MD410	*	344323.0	468807.0	344502.0	468586.0	*	284.	141. AG	1300.	4.3	.0	56.0	
36. NBDP	MD410	*	344502.0	468586.0	344647.0	468441.0	*	205.	135. AG	1300.	4.3	.0	56.0	
37. NBDP	MD410	*	344647.0	468441.0	344779.0	468293.0	*	198.	138. AG	1300.	4.3	.0	56.0	
38. NBDP	MD410	*	344779.0	468293.0	344966.0	468047.0	*	309.	143. AG	1300.	4.3	.0	56.0	
39. SBL	MD410	*	344939.0	467975.0	344609.0	468370.0	*	515.	320. AG	415.	4.3	.0	44.0	
40. SBL	MD410	*	344864.0	468055.0	344839.8	468086.6	*	40.	323. AG	178.	100.0	.0	24.0	.58 2.0
41. SBT&R	MD410	*	344896.0	467966.0	344583.0	468350.0	*	495.	321. AG	875.	4.3	.0	68.0	
42. SBT&R	MD410	*	344836.0	468040.0	344771.6	468118.7	*	102.	321. AG	320.	100.0	.0	48.0	.75 5.2
43. SBR	MD410	*	344828.0	467881.0	344811.0	468027.0	*	147.	353. AG	220.	4.3	.0	32.0	
44. SBR	MD410	*	344811.0	468027.0	344753.0	468131.0	*	119.	331. AG	220.	4.3	.0	32.0	

JOB: S15 450&amp;410 LLRT

RUN: S15 450&amp;410 LLRT

DATE: 10/05/2007 TIME: 19:05:21.89

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
45. SBALL	MD410	*	344603.0	468364.0	344262.0	468768.0	*	529.	320. AG	1035.	4.3	.0	56.0	
46. SBDP	MD410	*	345520.0	467202.0	344896.0	467969.0	*	989.	321. AG	1470.	4.3	.0	56.0	

JOB: S15 450&amp;410 LLRT

RUN: S15 450&amp;410 LLRT

DATE: 10/05/2007 TIME: 19:05:21.89

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD450	*	100	84	2.0	245	1770	37.80	1	3
7. EBT	MD450	*	100	65	2.0	590	1695	37.80	1	3
15. WBL	MD450	*	100	80	2.0	415	1717	37.80	1	3
18. WBT	MD450	*	100	61	2.0	1840	1695	37.80	1	3
28. NBL	MD410	*	100	70	2.0	680	1770	37.80	1	3
31. NBT&R	MD410	*	100	61	2.0	1320	1707	37.80	1	3
40. SBL	MD410	*	100	88	2.0	160	1717	37.80	1	3
42. SBT&R	MD410	*	100	79	2.0	875	1707	37.80	1	3

## RECEPTOR LOCATIONS

\* COORDINATES (FT) \*

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	345046.0	467978.0	5.0	*
2. SE 82S	*	345063.0	467929.0	5.0	*
3. SE 164S	*	345112.0	467861.0	5.0	*
4. SE 256S	*	345164.0	467790.0	5.0	*
5. SE MIDS	*	345298.0	467635.0	5.0	*
6. SE 82E	*	345084.0	468028.0	5.0	*
7. SE 164E	*	345151.0	468080.0	5.0	*
8. SE 256E	*	345217.0	468125.0	5.0	*
9. SE MIDE	*	345384.0	468185.0	5.0	*
10. NE COR	*	344925.0	468158.0	5.0	*
11. NE 82N	*	344898.0	468202.0	5.0	*
12. NE 164N	*	344846.0	468265.0	5.0	*
13. NE 256N	*	344789.0	468333.0	5.0	*
14. NE MIDN	*	344611.0	468523.0	5.0	*
15. NE 82E	*	344961.0	468147.0	5.0	*
16. NE 164E	*	345032.0	468203.0	5.0	*
17. NE 256E	*	345098.0	468243.0	5.0	*
18. NE MIDE	*	345278.0	468327.0	5.0	*
19. SW COR	*	344946.0	467836.0	5.0	*
20. SW 82S	*	344986.0	467806.0	5.0	*
21. SW 164S	*	345027.0	467756.0	5.0	*
22. SW 256S	*	345079.0	467688.0	5.0	*
23. SW MIDS	*	345194.0	467537.0	5.0	*
24. SW 82W	*	344871.0	467799.0	5.0	*
25. SW 164W	*	344839.0	467741.0	5.0	*
26. SW 256W	*	344795.0	467668.0	5.0	*
27. SW MIDW	*	344696.0	467482.0	5.0	*
28. NW COR	*	344818.0	467971.0	5.0	*
29. NW 82N	*	344778.0	468064.0	5.0	*
30. NW 164N	*	344713.0	468148.0	5.0	*
31. NW 256N	*	344643.0	468240.0	5.0	*
32. NW MIDN	*	344529.0	468400.0	5.0	*
33. NW 82W	*	344801.0	467901.0	5.0	*
34. NW 164W	*	344764.0	467831.0	5.0	*
35. NW 256W	*	344712.0	467752.0	5.0	*
36. NW MIDW	*	344574.0	467564.0	5.0	*

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JOB: S15 450&410 LLRT

RUN: S15 450&410 LLRT

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.5	.1	.1	.1	.6	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4
5.	*	.5	.3	.1	.1	.1	.5	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
10.	*	.5	.3	.1	.1	.0	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
15.	*	.5	.3	.1	.1	.0	.6	.4	.5	.3	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
20.	*	.4	.2	.1	.1	.0	.6	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.5	.4	.6
25.	*	.4	.2	.1	.0	.0	.5	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.6	.4	.5
30.	*	.4	.1	.1	.0	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.7	.4	.6
35.	*	.2	.1	.0	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.8	.4	.6
40.	*	.1	.1	.0	.0	.0	.3	.3	.3	.2	.0	.0	.0	.0	.0	.1	.1	1.0	.5	.7
45.	*	.1	.1	.0	.0	.0	.2	.3	.3	.2	.0	.0	.0	.0	.0	.1	.1	1.1	.4	.6
50.	*	.1	.0	.0	.0	.0	.1	.2	.2	.2	.1	.0	.0	.0	.0	.2	.2	1.1	.4	.6
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.3	.2	1.2	.4	.6
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.4	.4	1.2	.5	.6
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.6	.5	1.1	.5	.6
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.0	.0	.6	.6	1.1	.6	.6
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.6	.6	1.0	.6	.6
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.7	.6	1.2	.6	.6
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	1.1	.6	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	1.0	.6	.6
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.6	1.0	.6	.6
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.7	.6	.9	.6	.5
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.6	.6	.8	.5	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.6	.5	.6	.8	.7
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.6	.5	.6	.8	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.2	.1	.1	.6	.6	.6	.8	.4
125.	*	.0	.0	.0	.2	.1	.0	.0	.0	.0	.3	.3	.2	.1	.1	.5	.6	.7	.7	.4
130.	*	.0	.2	.2	.2	.1	.0	.0	.0	.0	.3	.3	.2	.2	.3	.5	.6	.7	.7	.4
135.	*	.3	.4	.4	.4	.2	.0	.0	.0	.0	.3	.2	.2	.2	.2	.5	.6	.7	.7	.4
140.	*	.4	.5	.4	.4	.3	.0	.0	.0	.0	.4	.3	.2	.1	.2	.6	.5	.7	.8	.4
145.	*	.5	.8	.7	.5	.4	.2	.0	.0	.0	.4	.3	.2	.3	.2	.7	.6	.6	.8	.1
150.	*	.6	.8	.7	.6	.5	.2	.0	.0	.0	.5	.5	.4	.4	.3	.8	.7	.6	.8	.1
155.	*	.6	.9	.8	.6	.5	.4	.2	.0	.0	.5	.5	.4	.3	.3	.7	.7	.6	.8	.0
160.	*	.7	1.0	.9	.5	.5	.4	.2	.0	.0	.6	.5	.3	.3	.4	.6	.7	.6	.8	.0
165.	*	.6	.9	.9	.6	.5	.5	.2	.1	.0	.4	.4	.3	.3	.3	.5	.9	.6	.9	.0
170.	*	.7	1.0	1.0	.6	.5	.4	.1	.1	.0	.4	.3	.4	.5	.2	.5	.9	.7	.9	.0
175.	*	.7	1.0	1.0	.5	.5	.5	.2	.1	.0	.5	.4	.4	.4	.2	.4	.8	.7	.9	.0
180.	*	.7	1.0	1.0	.5	.5	.5	.2	.0	.0	.5	.3	.5	.4	.2	.3	.8	.7	.8	.0
185.	*	.7	.9	1.1	.5	.5	.5	.2	.0	.0	.5	.4	.5	.4	.2	.4	.7	.7	.8	.0
190.	*	.6	.9	1.1	.5	.5	.4	.2	.1	.0	.4	.5	.5	.4	.2	.5	.5	.6	.9	.0

195.	*	.6	.9	1.0	.4	.5	.4	.1	.1	.0	.5	.6	.5	.4	.3	.4	.5	.6	1.0	.0	.0
200.	*	.5	.8	1.0	.5	.4	.2	.1	.1	.0	.5	.6	.5	.2	.3	.6	.5	.7	1.1	.0	.0
205.	*	.4	.8	1.0	.5	.4	.3	.1	.1	.0	.7	.6	.5	.2	.3	.5	.5	.7	1.2	.0	.0

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RUN: S15 450&410 LLRT

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
-----																					
210.	*	.4	.8	1.0	.5	.4	.2	.1	.1	.0	.5	.5	.3	.1	.3	.5	.4	.6	1.3	.0	.0
215.	*	.5	.7	1.0	.5	.4	.3	.2	.1	.0	.6	.5	.3	.1	.3	.4	.4	.6	1.5	.2	.0
220.	*	.6	.8	1.0	.5	.4	.4	.1	.1	.0	.6	.4	.3	.2	.3	.3	.4	.4	1.7	.3	.1
225.	*	.6	.8	1.0	.5	.4	.5	.1	.1	.0	.5	.5	.2	.2	.3	.4	.3	.5	1.6	.3	.2
230.	*	.6	1.0	1.1	.6	.4	.5	.1	.1	.1	.6	.4	.2	.2	.3	.4	.3	.4	1.5	.3	.2
235.	*	.5	.9	1.1	.6	.4	.5	.2	.1	.1	.6	.4	.2	.2	.3	.4	.2	.2	1.4	.3	.3
240.	*	.5	.9	1.1	.7	.4	.4	.2	.2	.1	.5	.3	.2	.2	.3	.4	.2	.1	1.3	.4	.3
245.	*	.5	.9	1.1	.8	.4	.4	.2	.3	.0	.5	.2	.2	.2	.3	.4	.2	.1	1.1	.4	.3
250.	*	.4	.8	1.1	.8	.4	.3	.2	.2	.1	.4	.2	.2	.2	.3	.3	.2	.1	.9	.3	.3
255.	*	.4	.8	1.1	.9	.4	.3	.2	.5	.1	.4	.1	.1	.2	.3	.3	.2	.1	.7	.3	.3
260.	*	.5	.6	1.1	.9	.4	.4	.3	.5	.1	.3	.2	.2	.2	.3	.3	.2	.0	.6	.3	.3
265.	*	.3	.6	1.1	1.0	.5	.3	.3	.5	.1	.3	.2	.2	.2	.3	.2	.1	.0	.5	.3	.3
270.	*	.3	.6	1.3	1.0	.5	.3	.4	.6	.3	.3	.2	.2	.2	.3	.2	.1	.0	.4	.2	.2
275.	*	.4	.6	1.2	1.1	.5	.3	.5	.5	.3	.2	.2	.2	.2	.3	.2	.1	.0	.4	.3	.2
280.	*	.4	.5	1.2	1.1	.5	.4	.7	.5	.3	.2	.2	.1	.2	.3	.1	.1	.0	.4	.3	.2
285.	*	.4	.6	1.2	1.2	.5	.4	.8	.5	.4	.2	.2	.2	.2	.3	.1	.0	.0	.3	.3	.3
290.	*	.6	.5	1.2	1.2	.5	.4	.7	.4	.4	.2	.2	.2	.2	.3	.1	.0	.0	.3	.4	.3
295.	*	.6	.5	1.1	1.2	.5	.4	.6	.4	.4	.2	.2	.2	.2	.3	.4	.1	.0	.3	.4	.3
300.	*	.7	.5	.9	1.1	.6	.4	.6	.4	.5	.2	.2	.2	.3	.4	.1	.0	.0	.3	.4	.3
305.	*	.6	.6	.7	1.2	.6	.4	.6	.4	.4	.2	.3	.2	.3	.3	.1	.0	.0	.3	.4	.2
310.	*	.6	.6	.6	.9	.6	.5	.5	.4	.4	.2	.2	.2	.3	.2	.1	.0	.0	.3	.6	.4
315.	*	.5	.7	.5	.8	.6	.5	.5	.4	.4	.2	.2	.2	.1	.2	.1	.0	.0	.3	.6	.4
320.	*	.5	.5	.3	.6	.4	.5	.5	.4	.4	.1	.2	.2	.1	.2	.0	.0	.0	.3	.6	.4
325.	*	.4	.4	.3	.5	.2	.6	.5	.4	.4	.1	.1	.1	.1	.2	.0	.0	.0	.3	.6	.6
330.	*	.5	.3	.1	.3	.2	.6	.5	.4	.4	.1	.0	.0	.1	.0	.0	.0	.0	.3	.6	.6
335.	*	.4	.3	.1	.3	.1	.6	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.5
340.	*	.5	.3	.1	.3	.1	.6	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.4
345.	*	.5	.3	.2	.2	.1	.6	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.2
350.	*	.6	.3	.2	.1	.1	.6	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.2
355.	*	.5	.4	.2	.1	.1	.6	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
360.	*	.5	.5	.1	.1	.1	.6	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4
-----																					
MAX	*	.7	1.0	1.3	1.2	.6	.6	.8	.6	.5	.7	.6	.5	.5	.4	.8	.9	.8	1.7	.6	.7
DEGR.	*	160	230	270	285	300	0	285	270	300	205	195	180	170	160	150	165	85	220	70	110

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JOB: S15 450&410 LLRT

RUN: S15 450&410 LLRT

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																	
ANGLE *	(PPM)																
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
-----																	
0.	*	.5	.7	.5	.7	.6	.5	.4	.7	.9	.2	.1	.3	.3	.1	.0	
5.	*	.6	.7	.5	.6	.6	.5	.4	.7	1.0	.2	.1	.3	.3	.1	.0	
10.	*	.7	.7	.5	.5	.5	.5	.3	.7	1.1	.2	.2	.2	.3	.2	.0	
15.	*	.7	.7	.4	.7	.4	.4	.3	.6	1.1	.1	.2	.2	.3	.2	.0	
20.	*	.7	.7	.4	.5	.5	.5	.3	.5	1.1	.1	.2	.2	.2	.3	.1	
25.	*	.7	.7	.4	.5	.4	.5	.3	.5	1.1	.1	.2	.2	.3	.3	.1	
30.	*	.7	.5	.4	.4	.3	.4	.4	.4	1.1	.1	.2	.2	.4	.4	.2	
35.	*	.7	.5	.4	.3	.3	.1	.1	.5	1.1	.2	.2	.2	.4	.5	.5	
40.	*	.6	.5	.4	.3	.3	.1	.0	.4	1.2	.2	.2	.2	.3	.5	.5	
45.	*	.6	.4	.4	.2	.2	.1	.0	.5	1.2	.2	.2	.2	.4	.6	.7	
50.	*	.6	.4	.4	.2	.2	.1	.0	.4	1.3	.2	.2	.2	.5	.7	.6	
55.	*	.6	.4	.4	.2	.2	.1	.0	.5	1.4	.2	.2	.2	.4	.7	.6	
60.	*	.6	.4	.4	.2	.2	.1	.0	.6	1.5	.3	.1	.2	.5	.8	.6	
65.	*	.6	.4	.4	.2	.2	.1	.0	.5	1.4	.3	.1	.2	.6	.7	.5	
70.	*	.6	.4	.4	.2	.2	.1	.0	.5	1.4	.3	.1	.1	.5	.7	.5	
75.	*	.5	.4	.4	.2	.2	.0	.0	.4	1.4	.3	.2	.1	.5	.8	.5	
80.	*	.5	.4	.4	.2	.2	.0	.0	.4	1.5	.3	.3	.2	.7	.7	.5	
85.	*	.5	.4	.4	.2	.2	.0	.0	.3	1.4	.4	.3	.2	.8	.8	.5	
90.	*	.5	.4	.4	.2	.1	.0	.0	.4	1.5	.4	.3	.2	.8	.8	.5	
95.	*	.5	.4	.4	.3	.1	.2	.0	.4	1.2	.4	.3	.3	.8	.7	.5	
100.	*	.4	.4	.4	.3	.2	.2	.0	.4	1.1	.5	.3	.3	.8	.7	.5	
105.	*	.4	.4	.4	.2	.2	.2	.0	.4	1.1	.7	.4	.3	.9	.6	.5	
110.	*	.5	.5	.4	.3	.2	.1	.0	.5	1.0	.6	.4	.3	.9	.6	.5	
115.	*	.5	.6	.4	.3	.2	.0	.0	.6	1.0	.7	.4	.2	.9	.7	.5	
120.	*	.5	.5	.4	.3	.3	.0	.0	.7	1.1	.8	.3	.2	.8	.8	.5	
125.	*	.5	.5	.4	.3	.2	.0	.0	.9	1.1	.9	.4	.2	.8	.7	.5	
130.	*	.5	.5	.4	.3	.0	.0	.0	.9	1.0	.9	.4	.3	.8	.5	.5	
135.	*	.5	.4	.4	.2	.0	.0	.0	.8	1.0	1.0	.6	.3	.7	.5	.5	
140.	*	.4	.4	.2	.0	.0	.0	.0	.7	.8	.9	.6	.3	.4	.5	.5	
145.	*	.3	.3	.1	.0	.0	.0	.0	.6	.7	.6	.4	.2	.5	.5	.5	
150.	*	.1	.1	.1	.0	.0	.0	.0	.6	.6	.5	.3	.2	.5	.5	.5	



155.	*	.1	.1	.0	.0	.0	.0	.0	.4	.4	.3	.1	.5	.5	.5	.5
160.	*	.1	.0	.0	.0	.0	.0	.0	.5	.4	.3	.2	.0	.5	.5	.4
165.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.2	.0	.5	.5	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.5	.6	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.5	.6	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.5	.6	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.6	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.6	.6	.5
195.	*	.0	.0	.0	.0	.0	.0	.0	.5	.1	.1	.0	.0	.6	.7	.5
200.	*	.0	.0	.0	.1	.0	.0	.0	.4	.1	.1	.0	.0	.6	.7	.5
205.	*	.0	.0	.0	.1	.1	.1	.0	.4	.1	.0	.0	.0	.6	.7	.4

1

JOB: S15 450&410 LLRT

RUN: S15 450&410 LLRT

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.2	.2	.0	.2	.1	.0	.0	.0	.5	.6	.3
215.	*	.0	.0	.0	.4	.3	.2	.1	.1	.0	.0	.0	.0	.3	.4	.2
220.	*	.0	.0	.0	.5	.3	.3	.2	.1	.0	.0	.0	.0	.2	.3	.2
225.	*	.0	.0	.0	.5	.5	.4	.2	.1	.0	.0	.0	.0	.1	.2	.1
230.	*	.1	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.1	.1	.1
235.	*	.1	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.1	.0
240.	*	.1	.1	.0	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.1	.0
245.	*	.1	.1	.0	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.1	.1	.0	.5	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.1	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.2	.1	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0
295.	*	.1	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.4	.4	.4	.3	.0	.1	.1	.1	.0	.0	.0	.0
305.	*	.3	.1	.0	.4	.4	.4	.3	.0	.2	.1	.1	.0	.0	.0	.0
310.	*	.3	.2	.1	.4	.4	.4	.3	.0	.2	.1	.1	.1	.0	.0	.0
315.	*	.4	.3	.1	.4	.4	.4	.3	.0	.3	.1	.1	.1	.0	.0	.0
320.	*	.5	.4	.1	.4	.4	.4	.3	.1	.4	.1	.2	.1	.0	.0	.0
325.	*	.5	.3	.2	.4	.4	.4	.3	.3	.6	.2	.2	.2	.0	.0	.0
330.	*	.5	.3	.3	.5	.4	.4	.3	.3	.6	.2	.2	.2	.0	.0	.0
335.	*	.3	.2	.4	.5	.4	.4	.3	.4	.7	.2	.2	.3	.1	.0	.0
340.	*	.3	.5	.4	.6	.5	.4	.3	.5	.8	.2	.3	.3	.1	.0	.0
345.	*	.3	.4	.4	.6	.5	.4	.3	.5	.8	.2	.3	.3	.2	.0	.0
350.	*	.3	.6	.6	.7	.5	.5	.4	.6	.9	.2	.2	.2	.3	.1	.0
355.	*	.5	.7	.6	.7	.5	.5	.4	.6	1.0	.3	.2	.3	.3	.1	.0
360.	*	.5	.7	.5	.7	.6	.5	.4	.7	.9	.2	.1	.3	.3	.1	.0

MAX	*	.7	.7	.6	.7	.6	.5	.4	.9	1.5	1.0	.6	.3	.9	.8	.7
DEGR.	*	10	0	350	0	0	0	0	125	60	135	135	0	105	60	45

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 220 DEGREES FROM REC18.

THE 2ND HIGHEST CONCENTRATION IS 1.50 PPM AT 60 DEGREES FROM REC29.

THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 270 DEGREES FROM REC3 .

S15 450&410 LLRT 2015PM			60.0321.0.0000.000360.30480000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345217.	468125.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344925.	468158.	5.		
NE 82N	344898.	468202.	5.		
NE 164N	344846.	468265.	5.		
NE 256N	344789.	468333.	5.		
NE MIDN	344611.	468523.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344529.	468400.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 LLRT			46 1 0		
1					
EBL MD450	AG344916.467970.344843.467855.	170 3.6 0. 32	29		
2					
EBL MD450	AG344882.467917.344851.467867.	0. 12 1			
90 77	2.0 170 37.8 1770 1 3				
1					
EBR MD450	AG344985.467842.344935.467859.	585 3.6 0. 32	29		
1					
EBR MD450	AG344935.467859.344879.467841.	585 3.6 0. 32	29		
1					
EBALL MD450	AG344859.467845.344399.467145.	2285 3.6 0. 56	29		
1					
EBT MD450	AG344937.467963.344859.467844.	1530 3.6 0. 56	29		
2					
EBT MD450	AG344909.467920.344868.467859.	0. 36 3			
90 55	2.0 1530 37.8 1695 1 3				
1					
EBDP MD450	AG345883.468265.345717.468296.	1935 3.6 0. 56	29		
1					
EBDP MD450	AG345717.468296.345553.468296.	1935 3.6 0. 56	29		
1					
EBDP MD450	AG345553.468296.345385.468260.	1935 3.6 0. 56	29		
1					
EBDP MD450	AG345385.468260.345252.468209.	1935 3.6 0. 56	29		
1					
EBDP MD450	AG345252.468209.345112.468113.	1935 3.6 0. 56	29		
1					
EBDP MD450	AG345112.468113.344938.467965.	1935 3.6 0. 56	29		
1					
WBL MD450	AG344916.468000.345132.468166.	245 3.6 0. 44	26		
2					
WBL MD450	AG345024.468083.345126.468161.	0. 24 2			
90 78	2.0 245 37.8 1717 1 3				
1					
WBT MD450	AG344914.468018.344990.468096.	1190 3.6 0. 56	26		
1					
WBT MD450	AG344990.468096.345114.468193.	1190 3.6 0. 56	26		
2					
WBT MD450	AG345000.468104.345104.468185.	0. 36 3			
90 56	2.0 1190 37.8 1695 1 3				
1					
WBR MD450	AG344909.468152.344968.468134.	145 3.6 0. 32	26		
1					
WBR MD450	AG344968.468134.345095.468204.	145 3.6 0. 32	26		
1					
WBALL MD450	AG345117.468193.345250.468264.	1580 3.6 0. 56	26		
1					
WBALL MD450	AG345250.468264.345440.468317.	1580 3.6 0. 56	26		
1					
WBALL MD450	AG345440.468317.345585.468339.	1580 3.6 0. 56	26		
1					
WBALL MD450	AG345585.468339.345739.468339.	1580 3.6 0. 56	26		
1					
WBALL MD450	AG345739.468339.345867.468320.	1580 3.6 0. 56	26		
1					
WBDP MD450	AG344359.467173.344913.468000.	1920 3.6 0. 56	26		
1					

NBL	MD410	AG344945.467976.345160.467717.	490	4.3	0.	32	50
2							
NBL	MD410	AG344992.467919.345088.467803.	0.	12	1		
90	66	2.0 490 37.8 1770 1 3					
1							
NBT&R	MD410	AG344972.468023.345034.467910.	915	4.3	0.	56	50
1							
NBT&R	MD410	AG345033.467910.345178.467731.	915	4.3	0.	56	50
2							
NBT&R	MD410	AG345044.467897.345138.467781.	0.	36	3		
90	55	2.0 915 37.8 1707 1 3					
1							
NBR	MD410	AG345037.468044.345025.467973.	235	4.3	0.	32	50
1							
NBR	MD410	AG345025.467973.345057.467903.	235	4.3	0.	32	50
1							
NBALL	MD410	AG345173.467727.345569.467244.	1405	4.3	0.	56	50
1							
NBDP	MD410	AG344323.468807.344502.468586.	1095	4.3	0.	56	50
1							
NBDP	MD410	AG344502.468586.344647.468441.	1095	4.3	0.	56	50
1							
NBDP	MD410	AG344647.468441.344779.468293.	1095	4.3	0.	56	50
1							
NBDP	MD410	AG344779.468293.344966.468047.	1095	4.3	0.	56	50
1							
SBL	MD410	AG344939.467975.344609.468370.	170	4.3	0.	44	50
2							
SBL	MD410	AG344864.468055.344779.468166.	0.	24	2		
90	76	2.0 170 37.8 1717 1 3					
1							
SBT&R	MD410	AG344896.467966.344583.468350.	1140	4.3	0.	68	50
2							
SBT&R	MD410	AG344836.468040.344692.468216.	0.	48	4		
90	65	2.0 1140 37.8 1707 1 3					
1							
SBR	MD410	AG344828.467881.344811.468027.	240	4.3	0.	32	50
1							
SBR	MD410	AG344811.468027.344753.468131.	240	4.3	0.	32	50
1							
SBALL	MD410	AG344603.468364.344262.468768.	1310	4.3	0.	56	50
1							
SBDP	MD410	AG345520.467202.344896.467969.	1730	4.3	0.	56	50
1.0	04	1000 0Y 5 0 72					

JOB: S15 450&410 LLRT 2015PM  
DATE: 10/07/2007 TIME: 09:51:46.42

RUN: S15 450&410 LLRT

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD450	*	344916.0	467970.0	344843.0	467855.0	*	136.	212. AG	170.	3.6	.0	32.0		
2. EBL	MD450	*	344882.0	467917.0	344817.5	467812.9	*	122.	212. AG	87.	100.0	.0	12.0	.97	6.2
3. EBR	MD450	*	344985.0	467842.0	344935.0	467859.0	*	53.	289. AG	585.	3.6	.0	32.0		
4. EBR	MD450	*	344935.0	467859.0	344879.0	467841.0	*	59.	252. AG	585.	3.6	.0	32.0		
5. EBALL	MD450	*	344859.0	467845.0	344399.0	467145.0	*	838.	213. AG	2285.	3.6	.0	56.0		
6. EBT	MD450	*	344937.0	467963.0	344859.0	467844.0	*	142.	213. AG	1530.	3.6	.0	56.0		
7. EBT	MD450	*	344909.0	467920.0	344807.3	467768.6	*	182.	214. AG	186.	100.0	.0	36.0	.87	9.3
8. EBDP	MD450	*	345883.0	468265.0	345717.0	468296.0	*	169.	281. AG	1935.	3.6	.0	56.0		
9. EBDP	MD450	*	345717.0	468296.0	345553.0	468296.0	*	164.	270. AG	1935.	3.6	.0	56.0		
10. EBDP	MD450	*	345553.0	468296.0	345385.0	468260.0	*	172.	258. AG	1935.	3.6	.0	56.0		
11. EBDP	MD450	*	345385.0	468260.0	345252.0	468209.0	*	142.	249. AG	1935.	3.6	.0	56.0		
12. EBDP	MD450	*	345252.0	468209.0	345112.0	468113.0	*	170.	236. AG	1935.	3.6	.0	56.0		
13. EBDP	MD450	*	345112.0	468113.0	344938.0	467965.0	*	228.	230. AG	1935.	3.6	.0	56.0		
14. WBL	MD450	*	344916.0	468000.0	345132.0	468166.0	*	272.	52. AG	245.	3.6	.0	44.0		
15. WBL	MD450	*	345024.0	468083.0	345076.3	468123.0	*	66.	53. AG	176.	100.0	.0	24.0	.80	3.3
16. WBT	MD450	*	344914.0	468018.0	344990.0	468096.0	*	109.	44. AG	1190.	3.6	.0	56.0		
17. WBT	MD450	*	344990.0	468096.0	345114.0	468193.0	*	157.	52. AG	1190.	3.6	.0	56.0		
18. WBT	MD450	*	345000.0	468104.0	345095.7	468178.5	*	121.	52. AG	189.	100.0	.0	36.0	.70	6.2
19. WBR	MD450	*	344909.0	468152.0	344968.0	468134.0	*	62.	107. AG	145.	3.6	.0	32.0		
20. WBR	MD450	*	344968.0	468134.0	345095.0	468204.0	*	145.	61. AG	145.	3.6	.0	32.0		
21. WBALL	MD450	*	345117.0	468193.0	345250.0	468264.0	*	151.	62. AG	1580.	3.6	.0	56.0		
22. WBALL	MD450	*	345250.0	468264.0	345440.0	468317.0	*	197.	74. AG	1580.	3.6	.0	56.0		
23. WBALL	MD450	*	345440.0	468317.0	345585.0	468339.0	*	147.	81. AG	1580.	3.6	.0	56.0		
24. WBALL	MD450	*	345585.0	468339.0	345739.0	468339.0	*	154.	90. AG	1580.	3.6	.0	56.0		
25. WBALL	MD450	*	345739.0	468339.0	345867.0	468320.0	*	129.	98. AG	1580.	3.6	.0	56.0		
26. WBDP	MD450	*	344359.0	467173.0	344913.0	468000.0	*	995.	34. AG	1920.	3.6	.0	56.0		
27. NBL	MD410	*	344945.0	467976.0	345160.0	467717.0	*	337.	140. AG	490.	4.3	.0	32.0		
28. NBL	MD410	*	344992.0	467919.0	345790.2	466954.4	*	1252.	140. AG	74.	100.0	.0	12.0	1.25	63.6
29. NBT&R	MD410	*	344972.0	468023.0	345034.0	467910.0	*	129.	151. AG	915.	4.3	.0	56.0		
30. NBT&R	MD410	*	345033.0	467910.0	345178.0	467731.0	*	230.	141. AG	915.	4.3	.0	56.0		
31. NBT&R	MD410	*	345044.0	467897.0	345101.8	467825.7	*	92.	141. AG	186.	100.0	.0	36.0	.52	4.7
32. NBR	MD410	*	345037.0	468044.0	345025.0	467973.0	*	72.	190. AG	235.	4.3	.0	32.0		
33. NBR	MD410	*	345025.0	467973.0	345057.0	467903.0	*	77.	155. AG	235.	4.3	.0	32.0		
34. NBALL	MD410	*	345173.0	467727.0	345569.0	467244.0	*	625.	141. AG	1405.	4.3	.0	56.0		
35. NBDP	MD410	*	344323.0	468807.0	344502.0	468586.0	*	284.	141. AG	1095.	4.3	.0	56.0		
36. NBDP	MD410	*	344502.0	468586.0	344647.0	468441.0	*	205.	135. AG	1095.	4.3	.0	56.0		
37. NBDP	MD410	*	344647.0	468441.0	344779.0	468293.0	*	198.	138. AG	1095.	4.3	.0	56.0		
38. NBDP	MD410	*	344779.0	468293.0	344966.0	468047.0	*	309.	143. AG	1095.	4.3	.0	56.0		
39. SBL	MD410	*	344939.0	467975.0	344609.0	468370.0	*	515.	320. AG	170.	4.3	.0	44.0		
40. SBL	MD410	*	344864.0	468055.0	344842.5	468083.1	*	35.	323. AG	171.	100.0	.0	24.0	.45	1.8
41. SBT&R	MD410	*	344896.0	467966.0	344583.0	468350.0	*	495.	321. AG	1140.	4.3	.0	68.0		
42. SBT&R	MD410	*	344836.0	468040.0	344770.0	468120.6	*	104.	321. AG	293.	100.0	.0	48.0	.72	5.3
43. SBR	MD410	*	344828.0	467881.0	344811.0	468027.0	*	147.	353. AG	240.	4.3	.0	32.0		
44. SBR	MD410	*	344811.0	468027.0	344753.0	468131.0	*	119.	331. AG	240.	4.3	.0	32.0		

JOB: S15 450&410 LLRT 2015PM  
DATE: 10/07/2007 TIME: 09:51:46.42

RUN: S15 450&410 LLRT

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBALL	MD410	*	344603.0	468364.0	344262.0	468768.0	*	529.	320. AG	1310.	4.3	.0	56.0		
46. SBDP	MD410	*	345520.0	467202.0	344896.0	467969.0	*	989.	321. AG	1730.	4.3	.0	56.0		

JOB: S15 450&410 LLRT 2015PM  
DATE: 10/07/2007 TIME: 09:51:46.42

RUN: S15 450&410 LLRT

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD450	*	90	77	2.0	170	1770	37.80	1	3
7. EBT	MD450	*	90	55	2.0	1530	1695	37.80	1	3
15. WBL	MD450	*	90	78	2.0	245	1717	37.80	1	3
18. WBT	MD450	*	90	56	2.0	1190	1695	37.80	1	3
28. NBL	MD410	*	90	66	2.0	490	1770	37.80	1	3
31. NBT&R	MD410	*	90	55	2.0	915	1707	37.80	1	3
40. SBL	MD410	*	90	76	2.0	170	1717	37.80	1	3
42. SBT&R	MD410	*	90	65	2.0	1140	1707	37.80	1	3

#### RECEPTOR LOCATIONS

\* COORDINATES (FT) \*

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	345046.0	467978.0	5.0	*
2. SE 82S	*	345063.0	467929.0	5.0	*
3. SE 164S	*	345112.0	467861.0	5.0	*
4. SE 256S	*	345164.0	467790.0	5.0	*
5. SE MIDS	*	345298.0	467635.0	5.0	*
6. SE 82E	*	345084.0	468028.0	5.0	*
7. SE 164E	*	345151.0	468080.0	5.0	*
8. SE 256E	*	345217.0	468125.0	5.0	*
9. SE MIDE	*	345384.0	468185.0	5.0	*
10. NE COR	*	344925.0	468158.0	5.0	*
11. NE 82N	*	344898.0	468202.0	5.0	*
12. NE 164N	*	344846.0	468265.0	5.0	*
13. NE 256N	*	344789.0	468333.0	5.0	*
14. NE MIDN	*	344611.0	468523.0	5.0	*
15. NE 82E	*	344961.0	468147.0	5.0	*
16. NE 164E	*	345032.0	468203.0	5.0	*
17. NE 256E	*	345098.0	468243.0	5.0	*
18. NE MIDE	*	345278.0	468327.0	5.0	*
19. SW COR	*	344946.0	467836.0	5.0	*
20. SW 82S	*	344986.0	467806.0	5.0	*
21. SW 164S	*	345027.0	467756.0	5.0	*
22. SW 256S	*	345079.0	467688.0	5.0	*
23. SW MIDS	*	345194.0	467537.0	5.0	*
24. SW 82W	*	344871.0	467799.0	5.0	*
25. SW 164W	*	344839.0	467741.0	5.0	*
26. SW 256W	*	344795.0	467668.0	5.0	*
27. SW MIDW	*	344696.0	467482.0	5.0	*
28. NW COR	*	344818.0	467971.0	5.0	*
29. NW 82N	*	344778.0	468064.0	5.0	*
30. NW 164N	*	344713.0	468148.0	5.0	*
31. NW 256N	*	344643.0	468240.0	5.0	*
32. NW MIDN	*	344529.0	468400.0	5.0	*
33. NW 82W	*	344801.0	467901.0	5.0	*
34. NW 164W	*	344764.0	467831.0	5.0	*
35. NW 256W	*	344712.0	467752.0	5.0	*
36. NW MIDW	*	344574.0	467564.0	5.0	*

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JOB: S15 450&410 LLRT 2015PM

RUN: S15 450&410 LLRT

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.3	.1	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
5.	*	.5	.3	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
10.	*	.3	.3	.0	.0	.0	.4	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
15.	*	.3	.2	.0	.0	.0	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
20.	*	.3	.0	.0	.0	.0	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
25.	*	.3	.1	.0	.0	.0	.2	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
30.	*	.2	.1	.0	.0	.0	.2	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
35.	*	.2	.0	.0	.0	.0	.2	.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
40.	*	.1	.0	.0	.0	.0	.1	.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
45.	*	.1	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
50.	*	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
55.	*	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
60.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.5	.6
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.5	.6
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	.1	.1	.0	.6	.6
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	.1	.2	.0	.7	.6
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.5	.1	.2	.0	.7	.5
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.5	.1	.3	.1	.7	.5
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.6	.3	.2	.2	.6	.5
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.7	.4	.2	.2	.5	.5
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.7	.4	.2	.2	.5	.5
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.6	.3	.2	.2	.4	.4
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.6	.4	.2	.2	.3	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.7	.4	.2	.2	.4	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.7	.5	.2	.3	.5	.5
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	.1	.6	.5	.2	.3	.5	.5
130.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.3	.3	.1	.2	.1	.5	.5	.2	.5	.5
135.	*	.0	.4	.3	.3	.2	.0	.0	.0	.0	.3	.3	.2	.2	.2	.5	.5	.2	.4	.5
140.	*	.3	.5	.4	.4	.2	.0	.0	.0	.0	.3	.3	.2	.1	.2	.5	.5	.2	.3	.4
145.	*	.5	.6	.4	.5	.3	.0	.0	.0	.0	.5	.4	.2	.2	.2	.5	.6	.2	.2	.1
150.	*	.5	.6	.4	.5	.4	.2	.0	.0	.0	.5	.4	.3	.2	.2	.4	.7	.2	.2	.1
155.	*	.6	.7	.4	.5	.4	.3	.0	.0	.0	.5	.4	.3	.3	.4	.6	.7	.2	.2	.1
160.	*	.5	.7	.5	.5	.4	.2	.0	.0	.0	.5	.2	.3	.4	.4	.5	.9	.2	.2	.0
165.	*	.5	.7	.5	.4	.4	.3	.1	.0	.0	.4	.2	.3	.2	.3	.5	.9	.4	.2	.0
170.	*	.5	.7	.4	.4	.4	.3	.1	.0	.0	.5	.2	.4	.3	.2	.4	.8	.4	.2	.0
175.	*	.5	.7	.4	.4	.4	.3	.1	.0	.0	.5	.3	.5	.4	.3	.4	.7	.4	.2	.0
180.	*	.6	.7	.5	.4	.4	.4	.1	.0	.0	.5	.3	.6	.5	.2	.4	.7	.6	.2	.0
185.	*	.6	.7	.5	.3	.4	.3	.2	.0	.0	.5	.4	.8	.5	.1	.5	.7	.6	.2	.0
190.	*	.4	.7	.5	.3	.4	.3	.2	.0	.0	.5	.5	.7	.5	.2	.5	.7	.7	.3	.0

195.	*	.4	.7	.6	.3	.4	.3	.2	.0	.0	.4	.7	.6	.4	.2	.6	.7	.6	.3	.0	.0
200.	*	.4	.6	.6	.3	.4	.3	.2	.0	.0	.4	.8	.5	.3	.2	.5	.7	.6	.3	.0	.0
205.	*	.3	.6	.7	.3	.4	.2	.2	.1	.0	.7	.7	.4	.2	.2	.5	.6	.8	.3	.0	.0

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JOB: S15 450&410 LLRT 2015PM

RUN: S15 450&410 LLRT

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.4	.6	.7	.3	.4	.2	.2	.1	.0	.6	.5	.3	.2	.2	.4	.4	.9	.3	.1	.0
215.	*	.6	.6	.7	.3	.4	.4	.3	.1	.0	.5	.4	.3	.2	.2	.5	.4	.8	.3	.1	.1
220.	*	.5	.6	.8	.3	.4	.5	.4	.1	.0	.6	.4	.3	.2	.2	.4	.1	.4	.3	.2	.1
225.	*	.5	.7	.9	.3	.4	.5	.4	.3	.0	.5	.4	.2	.2	.2	.5	.3	.4	.3	.3	.2
230.	*	.6	.7	.9	.3	.4	.6	.4	.4	.0	.6	.4	.2	.2	.2	.5	.2	.2	.2	.4	.2
235.	*	.7	.7	1.0	.4	.4	.6	.3	.3	.0	.5	.4	.2	.2	.2	.5	.2	.2	.2	.4	.2
240.	*	.7	.7	1.0	.4	.4	.5	.3	.3	.0	.5	.3	.2	.2	.2	.5	.2	.1	.2	.4	.2
245.	*	.5	.7	1.0	.4	.4	.5	.4	.1	.0	.4	.3	.2	.2	.2	.4	.2	.1	.1	.5	.2
250.	*	.6	.7	1.1	.4	.4	.5	.2	.3	.1	.4	.3	.2	.2	.2	.4	.2	.1	.0	.5	.3
255.	*	.6	.7	1.1	.4	.4	.3	.3	.5	.2	.4	.2	.2	.2	.2	.4	.2	.1	.0	.5	.3
260.	*	.6	.6	1.1	.4	.4	.2	.4	.5	.2	.3	.2	.2	.2	.2	.4	.2	.0	.0	.5	.3
265.	*	.4	.5	1.0	.5	.4	.3	.5	.5	.2	.3	.2	.2	.1	.3	.3	.1	.0	.0	.6	.4
270.	*	.3	.5	1.1	.4	.4	.3	.5	.5	.3	.3	.2	.2	.2	.3	.3	.1	.0	.0	.6	.4
275.	*	.5	.4	1.0	.5	.4	.4	.5	.5	.2	.3	.2	.2	.2	.3	.3	.1	.0	.0	.8	.4
280.	*	.4	.3	1.0	.6	.4	.4	.5	.5	.2	.3	.2	.1	.2	.3	.2	.0	.0	.0	.8	.4
285.	*	.4	.5	.9	.6	.4	.5	.5	.3	.2	.3	.2	.2	.3	.3	.2	.0	.0	.0	.7	.4
290.	*	.4	.4	.9	.7	.4	.5	.5	.3	.1	.3	.1	.2	.3	.3	.1	.0	.0	.0	.7	.4
295.	*	.4	.4	.8	.7	.4	.4	.5	.3	.1	.2	.1	.2	.3	.3	.1	.0	.0	.0	.7	.4
300.	*	.5	.4	.8	.6	.4	.5	.6	.3	.1	.2	.1	.3	.3	.3	.1	.0	.0	.0	.7	.5
305.	*	.5	.4	.6	.7	.4	.5	.6	.3	.2	.2	.1	.3	.3	.3	.1	.0	.0	.0	.7	.5
310.	*	.4	.4	.7	.7	.3	.5	.6	.3	.2	.2	.2	.2	.2	.2	.1	.0	.0	.0	.7	.5
315.	*	.3	.4	.6	.5	.4	.4	.5	.3	.2	.1	.1	.2	.1	.2	.1	.0	.0	.0	.9	.7
320.	*	.2	.3	.3	.3	.2	.6	.4	.3	.2	.1	.1	.1	.1	.2	.0	.0	.0	.0	.6	.7
325.	*	.2	.3	.3	.3	.1	.7	.3	.3	.2	.1	.0	.1	.1	.1	.0	.0	.0	.0	.7	.7
330.	*	.3	.3	.1	.2	.0	.7	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
335.	*	.2	.3	.2	.2	.0	.7	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
340.	*	.3	.2	.2	.1	.0	.7	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4
345.	*	.4	.3	.2	.1	.0	.7	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3
350.	*	.4	.3	.2	.0	.0	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
355.	*	.5	.3	.1	.0	.0	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
360.	*	.5	.3	.1	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
MAX	*	.7	.7	1.1	.7	.4	.7	.6	.5	.3	.7	.8	.8	.5	.4	.7	.9	.9	.3	.9	.7
DEGR.	*	235	155	250	290	150	325	300	255	0	205	200	185	180	155	95	160	210	120	315	315

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JOB: S15 450&410 LLRT 2015PM

RUN: S15 450&410 LLRT

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																	
ANGLE *	(PPM)																
(DEGR)*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																
0.	*	.7	.6	.4	1.0	1.0	.5	.3	.6	1.1	.2	.2	.3	.3	.2	.0	.0
5.	*	.6	.5	.4	1.0	1.1	.6	.3	.6	1.1	.2	.2	.3	.3	.2	.1	.0
10.	*	.5	.5	.4	1.0	1.0	.6	.3	.5	1.0	.2	.2	.3	.3	.2	.2	.0
15.	*	.5	.5	.4	.8	.9	.6	.4	.6	1.1	.2	.2	.3	.3	.3	.2	.0
20.	*	.6	.5	.4	.8	.8	.5	.4	.5	1.1	.2	.3	.3	.2	.2	.2	.1
25.	*	.6	.4	.4	.8	.6	.5	.3	.5	1.0	.2	.2	.3	.2	.2	.3	.1
30.	*	.6	.4	.4	.6	.5	.3	.2	.3	1.0	.1	.2	.3	.3	.3	.3	.1
35.	*	.6	.4	.4	.4	.3	.2	.2	.3	1.0	.1	.2	.3	.2	.2	.4	.4
40.	*	.6	.4	.4	.4	.2	.3	.0	.2	1.2	.1	.2	.3	.3	.4	.4	.4
45.	*	.5	.4	.4	.1	.2	.2	.0	.2	1.2	.2	.2	.3	.5	.4	.6	.5
50.	*	.5	.3	.4	.1	.1	.1	.0	.2	1.2	.3	.2	.3	.4	.7	.7	.5
55.	*	.5	.3	.4	.2	.2	.1	.0	.2	1.2	.3	.1	.3	.5	.9	.7	.5
60.	*	.5	.3	.4	.2	.2	.1	.0	.4	1.4	.2	.1	.2	.4	.8	.8	.5
65.	*	.4	.3	.4	.2	.2	.1	.0	.4	1.3	.2	.1	.2	.6	.9	.7	.4
70.	*	.4	.4	.4	.2	.2	.1	.0	.3	1.2	.2	.1	.2	.6	1.0	.7	.4
75.	*	.4	.4	.4	.2	.1	.1	.0	.3	1.2	.3	.1	.2	.5	1.0	.8	.4
80.	*	.4	.4	.4	.2	.1	.1	.0	.3	1.3	.3	.2	.2	.7	1.0	.7	.4
85.	*	.4	.4	.4	.3	.1	.1	.0	.4	1.3	.5	.2	.3	.7	.9	.6	.3
90.	*	.3	.4	.4	.3	.1	.1	.0	.4	1.3	.5	.3	.3	.8	.8	.6	.3
95.	*	.4	.4	.4	.2	.1	.1	.0	.4	1.3	.5	.3	.3	.8	.8	.6	.3
100.	*	.4	.5	.4	.2	.1	.1	.0	.4	1.2	.6	.3	.3	1.0	.8	.5	.3
105.	*	.5	.5	.4	.2	.1	.1	.0	.4	1.2	.5	.3	.3	1.0	.8	.5	.3
110.	*	.5	.5	.5	.2	.1	.1	.0	.7	1.1	.5	.3	.2	.9	.8	.5	.3
115.	*	.5	.5	.5	.2	.1	.1	.0	.7	1.0	.6	.3	.2	.9	.8	.5	.3
120.	*	.5	.5	.5	.3	.1	.0	.0	.7	.9	.7	.3	.2	.9	.8	.4	.3
125.	*	.5	.5	.5	.2	.1	.0	.0	.7	1.1	.8	.4	.2	.9	.8	.4	.3
130.	*	.5	.5	.4	.1	.0	.0	.0	.7	1.0	.9	.6	.3	1.0	.7	.4	.3
135.	*	.5	.5	.3	.1	.0	.0	.0	.8	1.0	.8	.6	.3	.8	.6	.4	.3
140.	*	.4	.3	.2	.0	.0	.0	.0	.7	.9	.8	.5	.3	.8	.6	.4	.3
145.	*	.2	.2	.1	.0	.0	.0	.0	.6	.6	.8	.5	.3	.7	.6	.4	.3
150.	*	.2	.1	.1	.0	.0	.0	.0	.6	.5	.6	.4	.1	.7	.5	.4	.3

155.	*	.1	.1	.0	.0	.0	.0	.0	.6	.5	.4	.3	.1	.7	.5	.4	.3
160.	*	.1	.0	.0	.0	.0	.0	.0	.6	.4	.4	.1	.1	.7	.5	.4	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.3	.1	.0	.6	.4	.4	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.7	.4	.2	.1	.0	.7	.5	.5	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.6	.5	.5	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.6	.5	.5	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.2	.0	.0	.6	.5	.5	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.2	.0	.0	.6	.5	.5	.5
195.	*	.0	.0	.0	.1	.0	.0	.0	.4	.2	.0	.0	.0	.5	.5	.5	.4
200.	*	.0	.0	.0	.1	.1	.1	.0	.3	.2	.0	.0	.0	.5	.6	.6	.4
205.	*	.0	.0	.0	.2	.1	.1	.0	.3	.1	.0	.0	.0	.4	.5	.4	.3

1

JOB: S15 450&410 LLRT 2015PM

RUN: S15 450&410 LLRT

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.2	.1	.1	.2	.0	.0	.0	.0	.3	.4	.4	.3
215.	*	.0	.0	.0	.4	.3	.3	.1	.2	.0	.0	.0	.0	.3	.4	.4	.2
220.	*	.0	.0	.0	.5	.4	.3	.1	.1	.0	.0	.0	.0	.1	.3	.3	.1
225.	*	.1	.0	.0	.6	.4	.4	.3	.0	.0	.0	.0	.0	.1	.2	.2	.1
230.	*	.1	.0	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.1	.1	.1	.0
235.	*	.2	.0	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
240.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.1	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.2	.1	.0	.9	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.1	.0	.9	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.1	.0	.8	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.1	.0	.8	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.2	.0	.9	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.2	.0	.9	.4	.3	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.9	.4	.3	.3	.0	.1	.1	.1	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.9	.4	.3	.3	.0	.2	.1	.1	.0	.0	.0	.0	.0
305.	*	.3	.2	.0	.9	.5	.3	.3	.0	.2	.1	.1	.1	.0	.0	.0	.0
310.	*	.3	.2	.2	.9	.5	.3	.3	.0	.2	.1	.1	.1	.0	.0	.0	.0
315.	*	.4	.2	.2	.9	.6	.3	.3	.0	.4	.2	.2	.1	.0	.0	.0	.0
320.	*	.4	.4	.2	.9	.6	.3	.3	.2	.5	.3	.3	.2	.0	.0	.0	.0
325.	*	.5	.4	.2	.9	.6	.3	.3	.2	.5	.3	.3	.2	.0	.0	.0	.0
330.	*	.5	.4	.3	1.0	.7	.3	.3	.3	.6	.3	.3	.2	.0	.0	.0	.0
335.	*	.4	.3	.4	1.2	.7	.3	.3	.4	.7	.3	.3	.2	.2	.0	.0	.0
340.	*	.3	.5	.4	1.2	.9	.3	.3	.5	.7	.2	.3	.2	.2	.0	.0	.0
345.	*	.3	.5	.4	1.2	.9	.3	.3	.6	.9	.2	.3	.2	.2	.0	.0	.0
350.	*	.4	.5	.4	1.1	1.0	.4	.3	.6	1.0	.2	.2	.2	.3	.1	.0	.0
355.	*	.6	.5	.4	1.1	1.0	.5	.3	.6	1.0	.2	.2	.2	.3	.2	.0	.0
360.	*	.7	.6	.4	1.0	1.0	.5	.3	.6	1.1	.2	.2	.3	.3	.2	.0	.0

MAX	*	.7	.6	.5	1.2	1.1	.6	.4	.8	1.4	.9	.6	.3	1.0	1.0	.8	.5
DEGR.	*	0	0	110	335	5	5	15	135	60	130	130	0	100	70	75	45

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 60 DEGREES FROM REC29.

THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 335 DEGREES FROM REC24.

THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 250 DEGREES FROM REC3 .

S15 450&410 HLRT 2015AM			60.0321.0.0000.000360.30480000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345217.	468125.	5.		
SE MIDE	345365.	468217.	5.		
NE COR	344925.	468158.	5.		
NE 82N	344898.	468202.	5.		
NE 164N	344846.	468265.	5.		
NE 256N	344789.	468333.	5.		
NE MIDN	344611.	468523.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344529.	468400.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 HLRT 2015AM			45 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	245 3.5 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
110	93	2.0 245 37.8 1770 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	400 3.5 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	400 3.5 0. 32	29	
1					
EBALL	MD450	AG344859.467845.344399.467145.	1235 3.5 0. 56	29	
1					
EBT	MD450	AG344937.467963.344859.467844.	590 3.5 0. 56	29	
2					
EBT	MD450	AG344909.467920.344868.467859.	0. 36 3		
110	72	2.0 590 37.8 1695 1 3			
1					
EBDP	MD450	AG345883.468265.345717.468296.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345717.468296.345553.468296.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345553.468296.345385.468260.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345385.468260.345252.468209.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345252.468209.345112.468113.	1135 3.5 0. 56	29	
1					
EBDP	MD450	AG345112.468113.344938.467965.	1135 3.5 0. 56	29	
1					
WBL	MD450	AG344916.468000.345132.468166.	415 3.5 0. 44	26	
2					
WBL	MD450	AG345024.468083.345126.468161.	0. 24 2		
110	88	2.0 415 37.8 1717 1 3			
1					
WBT	MD450	AG344914.468018.344990.468096.	1840 3.5 0. 56	26	
1					
WBT	MD450	AG344990.468096.345114.468193.	1840 3.5 0. 56	26	
2					
WBT	MD450	AG345000.468104.345104.468185.	0. 36 3		
110	67	2.0 1840 37.8 1695 1 3			
1					
WBR	MD450	AG344909.468152.344968.468134.	120 3.5 0. 32	26	
1					
WBR	MD450	AG344968.468134.345095.468204.	120 3.5 0. 32	26	
1					
WBALL	MD450	AG345117.468193.345250.468264.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345250.468264.345440.468317.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345440.468317.345585.468339.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345585.468339.345739.468339.	2375 3.5 0. 56	26	
1					
WBALL	MD450	AG345739.468339.345867.468320.	2375 3.5 0. 56	26	
1					
WBDP	MD450	AG344359.467173.344913.468000.	2740 3.5 0. 56	26	
1					



NBR	MD410	AG345037.468044.345025.467973.	385	4.3	0.	32	50
1							
NBR	MD410	AG345025.467973.345057.467903.	385	4.3	0.	32	50
1							
SBL	MD410	AG344939.467975.344609.468370.	160	4.3	0.	44	50
2							
SBL	MD410	AG344864.468055.344779.468166.	0.	24	2		
110	94	2.0 160 37.8 1717 1 3					
1							
SBT&R	MD410	AG344896.467966.344583.468350.	875	4.3	0.	68	50
2							
SBT&R	MD410	AG344836.468040.344692.468216.	0.	48	4		
110	88	2.0 875 37.8 1707 1 3					
1							
SBR	MD410	AG344855.467917.344814.468066.	220	4.3	0.	32	50
1							
SBALL	MD410	AG344603.468364.344262.468768.	1035	4.3	0.	56	50
1							
SBDP	MD410	AG345520.467202.344896.467969.	1470	4.3	0.	56	50
1							
NBT&R	MD410	AG344970.468008.345213.467696.	1320	4.3	0.	56	50
2							
NBT&R	MD410	AG345019.467944.345124.467810.	0.	36	3		
110	70	2.0 1320 37.8 1707 1 3					
1							
NBL	MD410	AG344965.467976.345197.467681.	680	4.3	0.	32	50
2							
NBL	MD410	AG345002.467930.345081.467829.	0.	12	1		
110	76	2.0 680 37.8 1770 1 3					
1							
NBALL	MD410	AG345210.467693.345411.467444.	2000	4.3	0.	68	50
1							
NBALL	MD410	AG345411.467444.345563.467237.	2000	4.3	0.	68	50
1							
NBDP	MD410	AG344322.468804.344503.468583.	1300	4.3	0.	56	50
1							
NBDP	MD410	AG344503.468583.344664.468430.	1300	4.3	0.	56	50
1							
NBDP	MD410	AG344664.468430.344843.468219.	1300	4.3	0.	56	50
1							
NBDP	MD410	AG344843.468219.344970.468013.	1300	4.3	0.	56	50
1.0	04 1000	OY 5 0 72					

JOB: S15 450&410 HLRT 2015AM  
DATE: 10/07/2007 TIME: 10:54:49.79

RUN: S15 450&410 HLRT 2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	MD450	* 344916.0	467970.0	344843.0	467855.0	*	136.	212. AG	245.	3.5	.0	32.0	
2. EBL	MD450	* 344882.0	467917.0	344586.3	467439.7	*	562.	212. AG	86.	100.0	.0	12.0	1.17 28.5
3. EBR	MD450	* 344985.0	467842.0	344935.0	467859.0	*	53.	289. AG	400.	3.5	.0	32.0	
4. EBR	MD450	* 344935.0	467859.0	344879.0	467841.0	*	59.	252. AG	400.	3.5	.0	32.0	
5. EBALL	MD450	* 344859.0	467845.0	344399.0	467145.0	*	838.	213. AG	1235.	3.5	.0	56.0	
6. EBT	MD450	* 344937.0	467963.0	344859.0	467844.0	*	142.	213. AG	590.	3.5	.0	56.0	
7. EBT	MD450	* 344909.0	467920.0	344865.9	467856.0	*	77.	214. AG	199.	100.0	.0	36.0	.37 3.9
8. EBDP	MD450	* 345883.0	468265.0	345717.0	468296.0	*	169.	281. AG	1135.	3.5	.0	56.0	
9. EBDP	MD450	* 345717.0	468296.0	345553.0	468296.0	*	164.	270. AG	1135.	3.5	.0	56.0	
10. EBDP	MD450	* 345553.0	468296.0	345385.0	468260.0	*	172.	258. AG	1135.	3.5	.0	56.0	
11. EBDP	MD450	* 345385.0	468260.0	345252.0	468209.0	*	142.	249. AG	1135.	3.5	.0	56.0	
12. EBDP	MD450	* 345252.0	468209.0	345112.0	468113.0	*	170.	236. AG	1135.	3.5	.0	56.0	
13. EBDP	MD450	* 345112.0	468113.0	344938.0	467965.0	*	228.	230. AG	1135.	3.5	.0	56.0	
14. WBL	MD450	* 344916.0	468000.0	345132.0	468166.0	*	272.	52. AG	415.	3.5	.0	44.0	
15. WBL	MD450	* 345024.0	468083.0	345108.2	468147.4	*	106.	53. AG	162.	100.0	.0	24.0	.74 5.4
16. WBT	MD450	* 344914.0	468018.0	344990.0	468096.0	*	109.	44. AG	1840.	3.5	.0	56.0	
17. WBT	MD450	* 344990.0	468096.0	345114.0	468193.0	*	157.	52. AG	1840.	3.5	.0	56.0	
18. WBT	MD450	* 345000.0	468104.0	345374.1	468395.5	*	474.	52. AG	185.	100.0	.0	36.0	1.02 24.1
19. WBR	MD450	* 344909.0	468152.0	344968.0	468134.0	*	62.	107. AG	120.	3.5	.0	32.0	
20. WBR	MD450	* 344968.0	468134.0	345095.0	468204.0	*	145.	61. AG	120.	3.5	.0	32.0	
21. WBALL	MD450	* 345117.0	468193.0	345250.0	468264.0	*	151.	62. AG	2375.	3.5	.0	56.0	
22. WBALL	MD450	* 345250.0	468264.0	345440.0	468317.0	*	197.	74. AG	2375.	3.5	.0	56.0	
23. WBALL	MD450	* 345440.0	468317.0	345585.0	468339.0	*	147.	81. AG	2375.	3.5	.0	56.0	
24. WBALL	MD450	* 345585.0	468339.0	345739.0	468339.0	*	154.	90. AG	2375.	3.5	.0	56.0	
25. WBALL	MD450	* 345739.0	468339.0	345867.0	468320.0	*	129.	98. AG	2375.	3.5	.0	56.0	
26. WBDP	MD450	* 344359.0	467173.0	344913.0	468000.0	*	995.	34. AG	2740.	3.5	.0	56.0	
27. NBR	MD410	* 345037.0	468044.0	345025.0	467973.0	*	72.	190. AG	385.	4.3	.0	32.0	
28. NBR	MD410	* 345025.0	467973.0	345057.0	467903.0	*	77.	155. AG	385.	4.3	.0	32.0	
29. SBL	MD410	* 344939.0	467975.0	344609.0	468370.0	*	515.	320. AG	160.	4.3	.0	44.0	
30. SBL	MD410	* 344864.0	468055.0	344839.0	468087.7	*	41.	323. AG	173.	100.0	.0	24.0	.43 2.1
31. SBT&R	MD410	* 344896.0	467966.0	344583.0	468350.0	*	495.	321. AG	875.	4.3	.0	68.0	
32. SBT&R	MD410	* 344836.0	468040.0	344762.8	468129.5	*	116.	321. AG	324.	100.0	.0	48.0	.78 5.9
33. SBR	MD410	* 344855.0	467917.0	344814.0	468066.0	*	155.	345. AG	220.	4.3	.0	32.0	
34. SBALL	MD410	* 344603.0	468364.0	344262.0	468768.0	*	529.	320. AG	1035.	4.3	.0	56.0	
35. SBDP	MD410	* 345520.0	467202.0	344896.0	467969.0	*	989.	321. AG	1470.	4.3	.0	56.0	
36. NBT&R	MD410	* 344970.0	468008.0	345213.0	467696.0	*	395.	142. AG	1320.	4.3	.0	56.0	
37. NBT&R	MD410	* 345019.0	467944.0	345126.7	467806.6	*	175.	142. AG	194.	100.0	.0	36.0	.79 8.9
38. NBL	MD410	* 344965.0	467976.0	345197.0	467681.0	*	375.	142. AG	680.	4.3	.0	32.0	
39. NBL	MD410	* 345002.0	467930.0	346469.7	466053.8	*	2382.	142. AG	70.	100.0	.0	12.0	1.41 121.0
40. NBALL	MD410	* 345210.0	467693.0	345411.0	467444.0	*	320.	141. AG	2000.	4.3	.0	68.0	
41. NBALL	MD410	* 345411.0	467444.0	345563.0	467237.0	*	257.	144. AG	2000.	4.3	.0	68.0	
42. NBDP	MD410	* 344322.0	468804.0	344503.0	468583.0	*	286.	141. AG	1300.	4.3	.0	56.0	
43. NBDP	MD410	* 344503.0	468583.0	344664.0	468430.0	*	222.	134. AG	1300.	4.3	.0	56.0	
44. NBDP	MD410	* 344664.0	468430.0	344843.0	468219.0	*	277.	140. AG	1300.	4.3	.0	56.0	

JOB: S15 450&410 HLRT 2015AM  
DATE: 10/07/2007 TIME: 10:54:49.79

RUN: S15 450&410 HLRT 2015AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. NBDP	MD410	* 344843.0	468219.0	344970.0	468013.0	*	242.	148. AG	1300.	4.3	.0	56.0	

JOB: S15 450&410 HLRT 2015AM  
DATE: 10/07/2007 TIME: 10:54:49.79

RUN: S15 450&410 HLRT 2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 110	93	2.0	245	1770	37.80	1	3
7. EBT	MD450	* 110	72	2.0	590	1695	37.80	1	3
15. WBL	MD450	* 110	88	2.0	415	1717	37.80	1	3
18. WBT	MD450	* 110	67	2.0	1840	1695	37.80	1	3
30. SBL	MD410	* 110	94	2.0	160	1717	37.80	1	3
32. SBT&R	MD410	* 110	88	2.0	875	1707	37.80	1	3
37. NBT&R	MD410	* 110	70	2.0	1320	1707	37.80	1	3
39. NBL	MD410	* 110	76	2.0	680	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR \* COORDINATES (FT) \*  
\* X Y Z \*

1. SE COR	*	345046.0	467978.0	5.0	*
2. SE 82S	*	345063.0	467929.0	5.0	*
3. SE 164S	*	345112.0	467861.0	5.0	*
4. SE 256S	*	345164.0	467790.0	5.0	*
5. SE MIDS	*	345298.0	467635.0	5.0	*
6. SE 82E	*	345084.0	468028.0	5.0	*
7. SE 164E	*	345151.0	468080.0	5.0	*
8. SE 256E	*	345217.0	468125.0	5.0	*
9. SE MIDE	*	345365.0	468217.0	5.0	*
10. NE COR	*	344925.0	468158.0	5.0	*
11. NE 82N	*	344898.0	468202.0	5.0	*
12. NE 164N	*	344846.0	468265.0	5.0	*
13. NE 256N	*	344789.0	468333.0	5.0	*
14. NE MIDN	*	344611.0	468523.0	5.0	*
15. NE 82E	*	344961.0	468147.0	5.0	*
16. NE 164E	*	345032.0	468203.0	5.0	*
17. NE 256E	*	345098.0	468243.0	5.0	*
18. NE MIDE	*	345278.0	468327.0	5.0	*
19. SW COR	*	344946.0	467836.0	5.0	*
20. SW 82S	*	344986.0	467806.0	5.0	*
21. SW 164S	*	345027.0	467756.0	5.0	*
22. SW 256S	*	345079.0	467688.0	5.0	*
23. SW MIDS	*	345194.0	467537.0	5.0	*
24. SW 82W	*	344871.0	467799.0	5.0	*
25. SW 164W	*	344839.0	467741.0	5.0	*
26. SW 256W	*	344795.0	467668.0	5.0	*
27. SW MIDW	*	344696.0	467482.0	5.0	*
28. NW COR	*	344818.0	467971.0	5.0	*
29. NW 82N	*	344778.0	468064.0	5.0	*
30. NW 164N	*	344713.0	468148.0	5.0	*
31. NW 256N	*	344643.0	468240.0	5.0	*
32. NW MIDN	*	344529.0	468400.0	5.0	*
33. NW 82W	*	344801.0	467901.0	5.0	*
34. NW 164W	*	344764.0	467831.0	5.0	*
35. NW 256W	*	344712.0	467752.0	5.0	*
36. NW MIDW	*	344574.0	467564.0	5.0	*

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JOB: S15 450&410 HLRT 2015AM

RUN: S15 450&410 HLRT 2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.5	.1	.2	.1	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5
5.	*	.5	.3	.1	.1	.0	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5
10.	*	.5	.3	.1	.1	.0	.5	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.5
15.	*	.5	.3	.1	.1	.0	.6	.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
20.	*	.4	.2	.1	.1	.0	.5	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.5	.4	.7
25.	*	.4	.2	.1	.0	.0	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.6	.5	.7
30.	*	.4	.1	.1	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.7	.5	.7
35.	*	.2	.1	.0	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.8	.5	.7
40.	*	.1	.1	.0	.0	.0	.2	.3	.3	.4	.0	.0	.0	.0	.0	.1	.0	.9	.5	.7
45.	*	.1	.0	.0	.0	.0	.2	.3	.2	.4	.0	.0	.0	.0	.0	.1	.1	1.0	.7	.6
50.	*	.1	.0	.0	.0	.0	.1	.1	.2	.2	.1	.0	.0	.0	.0	.2	.1	.2	1.1	.6
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.2	.2	.2	1.1	.6
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.4	.4	.3	1.1	.6
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.0	.0	.0	.6	.4	.6	1.1	.6
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.1	.1	.0	.0	.6	.6	.6	1.0	.6
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.2	.1	.0	.0	.6	.6	.6	1.0	.6
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.2	.1	.1	.0	.7	.6	.7	1.1	.6
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.8	1.1	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.7	1.0	.6
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.6	.7	1.0	.5
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.1	.1	.0	.7	.6	.6	.9	.5
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.6	.6	.6	.8	.5
110.	*	.0	.0	.1	.1	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.6	.5	.6	.8	.5
115.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.4	.4	.1	.1	.1	.6	.6	.6	.8	.4
120.	*	.0	.2	.2	.1	.1	.0	.0	.0	.0	.4	.4	.2	.1	.1	.6	.6	.6	.7	.4
125.	*	.0	.2	.2	.2	.1	.0	.0	.0	.0	.3	.3	.2	.1	.2	.5	.5	.7	.7	.4
130.	*	.0	.3	.3	.2	.2	.0	.0	.0	.0	.3	.3	.2	.2	.3	.5	.6	.7	.7	.4
135.	*	.3	.5	.6	.4	.4	.0	.0	.0	.0	.3	.2	.2	.2	.2	.5	.6	.7	.7	.3
140.	*	.3	.7	.6	.4	.5	.0	.0	.0	.0	.5	.4	.2	.2	.2	.7	.6	.7	.8	.3
145.	*	.6	1.0	.8	.6	.5	.1	.0	.0	.0	.5	.4	.4	.3	.3	.8	.6	.6	.8	.1
150.	*	.8	1.1	1.0	.7	.6	.1	.0	.0	.0	.6	.6	.5	.5	.4	.8	.7	.6	.8	.1
155.	*	.8	1.3	1.2	.6	.6	.3	.1	.0	.0	.6	.6	.6	.5	.4	.8	.7	.6	.8	.0
160.	*	.8	1.3	1.3	.6	.7	.4	.1	.0	.0	.6	.6	.4	.4	.4	.6	.8	.6	.8	.0
165.	*	1.0	1.3	1.2	.5	.6	.4	.1	.0	.0	.6	.5	.4	.4	.3	.5	.9	.7	.8	.0
170.	*	1.0	1.3	1.2	.6	.5	.5	.1	.0	.0	.5	.3	.4	.5	.2	.5	1.0	.7	.9	.0
175.	*	1.1	1.2	1.2	.5	.5	.5	.1	.0	.0	.5	.4	.4	.5	.2	.5	.9	.7	.9	.0
180.	*	1.1	1.2	1.2	.5	.5	.5	.2	.0	.0	.6	.3	.5	.5	.2	.3	.9	.7	.8	.0
185.	*	1.1	1.2	1.2	.5	.5	.5	.3	.0	.0	.5	.4	.5	.5	.2	.4	.8	.8	.8	.0
190.	*	1.0	1.2	1.2	.5	.5	.5	.3	.0	.0	.4	.5	.5	.4	.2	.5	.6	.8	.9	.0
195.	*	1.0	1.1	1.2	.5	.5	.5	.2	.1	.0	.6	.6	.5	.4	.3	.5	.5	.8	1.0	.0

200. \* 1.0 1.1 1.1 .5 .5 .5 .2 .1 .0 .6 .6 .5 .3 .3 .6 .5 .7 1.1 .0 .0  
 205. \* .8 1.1 1.1 .5 .5 .4 .2 .1 .0 .7 .6 .4 .2 .3 .6 .5 .7 1.2 .0 .0  
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RUN: S15 450&410 HLRT 2015AM

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WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.7	1.2	1.1	.5	.4	.4	.2	.1	.0	.5	.7	.4	.2	.3	.5	.5	.6	1.3	.0	.0
215.	*	.8	1.2	1.1	.5	.4	.4	.3	.1	.1	.6	.6	.3	.2	.3	.4	.4	.6	1.5	.2	.0
220.	*	.8	1.3	1.1	.5	.5	.5	.3	.2	.1	.6	.5	.3	.2	.3	.3	.4	.4	1.7	.3	.1
225.	*	.9	1.4	1.1	.5	.5	.6	.3	.2	.2	.6	.5	.3	.2	.3	.4	.3	.5	1.7	.3	.2
230.	*	.8	1.5	1.3	.5	.5	.6	.2	.2	.1	.6	.5	.2	.2	.3	.4	.3	.4	1.5	.3	.2
235.	*	.7	1.5	1.3	.5	.5	.5	.2	.1	.1	.6	.4	.2	.2	.3	.4	.2	.2	1.4	.3	.3
240.	*	.6	1.5	1.2	.6	.5	.4	.2	.2	.1	.5	.4	.2	.2	.3	.4	.2	.1	1.4	.4	.3
245.	*	.5	1.5	1.2	.6	.5	.4	.2	.3	.2	.5	.3	.2	.2	.3	.5	.2	.1	1.3	.4	.3
250.	*	.4	1.5	1.3	.6	.4	.3	.2	.2	.2	.5	.3	.2	.2	.3	.4	.2	.1	.9	.3	.3
255.	*	.4	1.5	1.3	.6	.4	.3	.2	.5	.3	.3	.2	.2	.2	.3	.3	.2	.1	.7	.3	.3
260.	*	.5	1.4	1.2	.6	.5	.3	.3	.5	.4	.3	.1	.2	.2	.3	.3	.2	.1	.6	.3	.3
265.	*	.3	1.4	1.4	.7	.5	.3	.3	.5	.4	.3	.1	.2	.2	.3	.3	.1	.0	.5	.3	.3
270.	*	.3	1.3	1.4	.7	.5	.4	.4	.6	.4	.3	.1	.2	.2	.3	.2	.0	.0	.4	.3	.2
275.	*	.4	1.2	1.4	.7	.5	.4	.5	.6	.4	.3	.2	.2	.2	.3	.2	.0	.0	.4	.3	.2
280.	*	.4	1.1	1.4	.8	.5	.4	.6	.5	.4	.2	.2	.2	.2	.3	.2	.0	.0	.4	.3	.2
285.	*	.4	1.2	1.5	.9	.5	.4	.7	.5	.5	.2	.2	.2	.2	.3	.1	.1	.0	.3	.4	.3
290.	*	.8	.9	1.7	1.1	.5	.4	.6	.5	.5	.2	.2	.2	.2	.3	.1	.1	.0	.3	.4	.3
295.	*	.8	.9	1.6	1.1	.6	.4	.6	.4	.5	.3	.2	.2	.3	.4	.1	.1	.0	.3	.4	.3
300.	*	.7	.8	1.5	1.2	.7	.5	.6	.4	.4	.3	.2	.2	.3	.4	.2	.0	.0	.3	.5	.3
305.	*	.6	1.0	1.4	1.2	.7	.4	.6	.4	.4	.2	.2	.2	.4	.3	.2	.0	.0	.3	.5	.3
310.	*	.6	.8	1.1	1.1	.6	.5	.5	.4	.4	.2	.2	.2	.3	.2	.2	.0	.0	.3	.6	.5
315.	*	.5	.9	1.0	1.0	.6	.4	.6	.4	.4	.2	.1	.2	.2	.2	.1	.0	.0	.3	.6	.5
320.	*	.4	.8	.9	.9	.5	.5	.5	.4	.4	.2	.1	.2	.1	.2	.1	.0	.0	.3	.6	.4
325.	*	.4	.6	.6	.7	.4	.6	.5	.4	.4	.2	.1	.1	.1	.1	.0	.0	.0	.3	.6	.6
330.	*	.5	.4	.5	.5	.3	.6	.5	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	.3	.6	.6
335.	*	.3	.3	.4	.5	.2	.6	.5	.4	.5	.0	.0	.1	.0	.0	.0	.0	.0	.3	.6	.5
340.	*	.5	.4	.4	.3	.2	.6	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.4
345.	*	.5	.4	.4	.3	.2	.6	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.2
350.	*	.6	.3	.4	.2	.1	.6	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.2
355.	*	.5	.4	.3	.2	.1	.6	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.2
360.	*	.5	.5	.1	.2	.1	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5
MAX	*	1.1	1.5	1.7	1.2	.7	.6	.7	.6	.5	.7	.7	.6	.5	.4	.8	1.0	.8	1.7	.7	.7
DEGR.	*	175	230	290	300	160	0	285	270	285	205	210	155	150	150	145	170	185	220	45	20

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.7	.7	.6	.8	.6	.5	.4	.7	1.2	.2	.1	.3	.4	.1	.1	.0
5.	*	.7	.7	.5	.7	.6	.5	.4	.6	1.2	.2	.1	.3	.4	.2	.2	.0
10.	*	.7	.7	.4	.5	.5	.6	.3	.6	1.2	.2	.1	.2	.3	.3	.2	.0
15.	*	.7	.7	.4	.7	.4	.4	.3	.6	1.1	.2	.2	.2	.3	.2	.2	.0
20.	*	.7	.6	.4	.6	.5	.5	.3	.5	1.1	.2	.2	.2	.2	.2	.3	.1
25.	*	.7	.6	.4	.5	.4	.5	.3	.5	1.0	.2	.2	.2	.3	.3	.3	.1
30.	*	.7	.5	.4	.4	.3	.4	.4	.4	1.0	.2	.2	.2	.4	.4	.5	.2
35.	*	.6	.4	.4	.3	.3	.2	.1	.5	1.1	.2	.2	.2	.2	.4	.5	.4
40.	*	.6	.4	.4	.4	.4	.2	.0	.4	1.2	.2	.2	.2	.3	.6	.7	.5
45.	*	.6	.4	.4	.3	.3	.2	.0	.5	1.2	.2	.2	.2	.3	.6	.7	.7
50.	*	.6	.4	.4	.3	.2	.1	.0	.5	1.3	.1	.2	.2	.4	.7	.7	.6
55.	*	.6	.4	.4	.3	.2	.1	.0	.6	1.4	.1	.2	.2	.4	.7	.7	.6
60.	*	.5	.4	.4	.3	.2	.1	.0	.7	1.4	.1	.2	.2	.5	.9	.8	.6
65.	*	.5	.4	.4	.3	.2	.1	.0	.5	1.4	.2	.2	.2	.6	.9	.8	.5
70.	*	.5	.4	.4	.2	.2	.0	.0	.5	1.4	.2	.2	.2	.5	.9	.7	.5
75.	*	.5	.4	.4	.3	.2	.0	.0	.3	1.5	.3	.3	.1	.6	.8	.7	.5
80.	*	.4	.4	.4	.3	.2	.0	.0	.4	1.5	.4	.3	.1	.9	.7	.6	.5
85.	*	.4	.4	.4	.3	.1	.0	.0	.3	1.5	.4	.3	.1	.9	.8	.5	.5
90.	*	.4	.4	.4	.2	.1	.0	.0	.6	1.5	.5	.2	.2	.9	.8	.5	.5
95.	*	.4	.4	.4	.2	.1	.1	.0	.6	1.4	.5	.2	.3	1.0	.7	.5	.5
100.	*	.4	.4	.4	.1	.1	.1	.0	.5	1.1	.6	.2	.3	1.0	.6	.6	.5
105.	*	.5	.4	.4	.2	.1	.1	.0	.5	1.1	.8	.3	.3	1.0	.6	.6	.5
110.	*	.5	.4	.4	.2	.1	.0	.0	.6	1.1	.8	.4	.3	.9	.6	.5	.5
115.	*	.5	.5	.5	.2	.1	.0	.0	.7	1.2	.9	.3	.3	.8	.6	.5	.5
120.	*	.5	.5	.5	.2	.1	.0	.0	.8	1.2	1.0	.3	.2	.8	.6	.5	.5
125.	*	.5	.5	.4	.2	.1	.0	.0	.8	1.2	1.2	.4	.2	.8	.6	.5	.5
130.	*	.5	.5	.4	.2	.0	.0	.0	.7	1.1	1.1	.4	.3	.7	.5	.5	.5
135.	*	.5	.4	.3	.1	.0	.0	.0	.7	1.1	1.2	.5	.3	.7	.5	.5	.5
140.	*	.3	.3	.2	.0	.0	.0	.0	.7	.9	1.0	.5	.3	.5	.5	.5	.5
145.	*	.3	.3	.1	.0	.0	.0	.0	.6	.6	.7	.5	.2	.5	.5	.5	.5
150.	*	.1	.1	.1	.0	.0	.0	.0	.6	.6	.6	.3	.2	.5	.5	.5	.5
155.	*	.1	.1	.0	.0	.0	.0	.0	.4	.4	.4	.3	.1	.5	.5	.5	.5

160.	*	.1	.0	.0	.0	.0	.0	.0	.4	.4	.3	.3	.0	.5	.5	.5	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.2	.0	.5	.5	.5	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.5	.6	.6	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.5	.6	.6	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.5	.6	.6	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.6	.6	.6	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.6	.6	.6	.5
195.	*	.0	.0	.0	.0	.0	.0	.0	.5	.1	.1	.0	.0	.6	.7	.7	.5
200.	*	.0	.0	.0	.1	.0	.0	.0	.4	.1	.1	.0	.0	.6	.7	.7	.5
205.	*	.0	.0	.0	.1	.1	.1	.0	.4	.1	.0	.0	.0	.6	.7	.7	.4

1

JOB: S15 450&410 HLRT 2015AM

RUN: S15 450&410 HLRT 2015AM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.2	.2	.0	.2	.1	.0	.0	.0	.5	.6	.6	.3
215.	*	.0	.0	.0	.4	.3	.3	.1	.1	.0	.0	.0	.0	.3	.4	.4	.2
220.	*	.0	.0	.0	.5	.3	.3	.2	.1	.0	.0	.0	.0	.2	.3	.3	.2
225.	*	.0	.0	.0	.5	.5	.4	.2	.1	.0	.0	.0	.0	.1	.2	.2	.1
230.	*	.1	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.1	.1	.1	.1
235.	*	.1	.0	.0	.5	.5	.5	.2	.0	.0	.0	.0	.0	.0	.1	.1	.0
240.	*	.1	.1	.0	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.1	.1	.0
245.	*	.1	.1	.0	.5	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.1	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.4	.4	.4	.3	.0	.1	.1	.1	.0	.0	.0	.0	.0
305.	*	.3	.1	.0	.4	.4	.4	.3	.0	.2	.1	.1	.0	.0	.0	.0	.0
310.	*	.3	.3	.1	.4	.4	.4	.3	.0	.3	.1	.1	.1	.0	.0	.0	.0
315.	*	.4	.3	.1	.4	.4	.4	.3	.1	.3	.1	.1	.1	.0	.0	.0	.0
320.	*	.5	.5	.1	.4	.4	.4	.3	.1	.4	.1	.2	.1	.0	.0	.0	.0
325.	*	.5	.3	.2	.4	.4	.4	.3	.3	.7	.2	.2	.2	.0	.0	.0	.0
330.	*	.5	.3	.3	.5	.4	.4	.3	.4	.8	.2	.2	.2	.0	.0	.0	.0
335.	*	.3	.3	.5	.6	.4	.4	.3	.4	.8	.2	.2	.3	.1	.0	.0	.0
340.	*	.4	.5	.5	.6	.5	.4	.3	.5	.9	.2	.3	.3	.1	.0	.0	.0
345.	*	.4	.5	.5	.7	.5	.4	.3	.6	1.0	.2	.3	.3	.1	.0	.0	.0
350.	*	.4	.7	.6	.7	.5	.5	.4	.6	1.2	.2	.2	.2	.3	.1	.0	.0
355.	*	.5	.7	.6	.7	.6	.5	.4	.6	1.2	.2	.2	.3	.3	.1	.0	.0
360.	*	.7	.7	.6	.8	.6	.5	.4	.7	1.2	.2	.1	.3	.4	.1	.1	.0
MAX	*	.7	.7	.6	.8	.6	.6	.4	.8	1.5	1.2	.5	.3	1.0	.9	.8	.7
DEGR.	*	0	0	0	0	0	10	0	120	75	125	135	0	95	65	60	45

THE HIGHEST CONCENTRATION IS 1.70 PPM AT 290 DEGREES FROM REC3 .

THE 2ND HIGHEST CONCENTRATION IS 1.70 PPM AT 220 DEGREES FROM REC18.

THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 230 DEGREES FROM REC2 .

S15 450&410 HLRT 2015PM		60.0321.0.0000.000360.30480000		1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345217.	468125.	5.		
SE MIDE	345365.	468217.	5.		
NE COR	344925.	468158.	5.		
NE 82N	344898.	468202.	5.		
NE 164N	344846.	468265.	5.		
NE 256N	344789.	468333.	5.		
NE MIDN	344611.	468523.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344529.	468400.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 HLRT 2015PM		45 1 0			
1					
EBL	MD450	AG344916.467970.344843.467855.	170 3.5 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
100	84	2.0 170 37.8 1770 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	585 3.5 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	585 3.5 0. 32	29	
1					
EBALL	MD450	AG344859.467845.344399.467145.	2285 3.5 0. 56	29	
1					
EBT	MD450	AG344937.467963.344859.467844.	1530 3.5 0. 56	29	
2					
EBT	MD450	AG344909.467920.344868.467859.	0. 36 3		
100	61	2.0 1530 37.8 1695 1 3			
1					
EBDP	MD450	AG345883.468265.345717.468296.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345717.468296.345553.468296.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345553.468296.345385.468260.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345385.468260.345252.468209.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345252.468209.345112.468113.	1935 3.5 0. 56	29	
1					
EBDP	MD450	AG345112.468113.344938.467965.	1935 3.5 0. 56	29	
1					
WBL	MD450	AG344916.468000.345132.468166.	245 3.6 0. 44	26	
2					
WBL	MD450	AG345024.468083.345126.468161.	0. 24 2		
100	88	2.0 245 37.8 1717 1 3			
1					
WBT	MD450	AG344914.468018.344990.468096.	1190 3.6 0. 56	26	
1					
WBT	MD450	AG344990.468096.345114.468193.	1190 3.6 0. 56	26	
2					
WBT	MD450	AG345000.468104.345104.468185.	0. 36 3		
100	65	2.0 1190 37.8 1695 1 3			
1					
WBR	MD450	AG344909.468152.344968.468134.	145 3.6 0. 32	26	
1					
WBR	MD450	AG344968.468134.345095.468204.	145 3.6 0. 32	26	
1					
WBALL	MD450	AG345117.468193.345250.468264.	1580 3.6 0. 56	26	
1					
WBALL	MD450	AG345250.468264.345440.468317.	1580 3.6 0. 56	26	
1					
WBALL	MD450	AG345440.468317.345585.468339.	1580 3.6 0. 56	26	
1					
WBALL	MD450	AG345585.468339.345739.468339.	1580 3.6 0. 56	26	
1					
WBALL	MD450	AG345739.468339.345867.468320.	1580 3.6 0. 56	26	
1					
WBDP	MD450	AG344359.467173.344913.468000.	1920 3.6 0. 56	26	
1					

SBL		MD410	AG344939.467975.344609.468370.	170	4.3	0.	44	50
2								
SBL		MD410	AG344864.468055.344779.468166.	0.	24	2		
100		84	2.0 170 37.8 1717 1 3					
1								
SBT&R		MD410	AG344896.467966.344583.468350.	1140	4.3	0.	68	50
2								
SBT&R		MD410	AG344836.468040.344692.468216.	0.	48	4		
100		72	2.0 1140 37.8 1707 1 3					
1								
SBR		MD410	AG344855.467917.344814.468066.	240	4.3	0.	32	50
1								
SBALL		MD410	AG344603.468364.344262.468768.	1310	4.3	0.	56	50
1								
SBDP		MD410	AG345520.467202.344896.467969.	1730	4.3	0.	56	50
1								
NBT&R		MD410	AG344970.468008.345213.467696.	915	4.3	0.	56	50
2								
NBT&R		MD410	AG345019.467944.345124.467810.	0.	36	3		
100		61	2.0 915 37.8 1707 1 3					
1								
NBL		MD410	AG344965.467976.345197.467681.	490	4.3	0.	32	50
2								
NBL		MD410	AG345002.467930.345081.467829.	0.	12	1		
100		73	2.0 490 37.8 1770 1 3					
1								
NBALL		MD410	AG345210.467693.345411.467444.	1405	4.3	0.	68	50
1								
NBALL		MD410	AG345411.467444.345563.467237.	1405	4.3	0.	68	50
1								
NBR		MD410	AG345037.468044.345025.467973.	235	4.3	0.	32	50
1								
NBR		MD410	AG345025.467973.345057.467903.	235	4.3	0.	32	50
1								
NBDP		MD410	AG344322.468804.344503.468583.	995	4.3	0.	56	50
1								
NBDP		MD410	AG344503.468583.344664.468430.	995	4.3	0.	56	50
1								
NBDP		MD410	AG344664.468430.344843.468219.	995	4.3	0.	56	50
1								
NBDP		MD410	AG344843.468219.344970.468013.	995	4.3	0.	56	50
1.0	04	1000	0Y 5 0 72					

JOB: S15 450&410 HLRT 2015PM  
 DATE: 10/07/2007 TIME: 12:01:20.40

RUN: S15 450&410 HLRT 2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	MD450	* 344916.0	467970.0	344843.0	467855.0	*	136.	212. AG	170.	3.5	.0	32.0	
2. EBL	MD450	* 344882.0	467917.0	344833.5	467838.8	*	92.	212. AG	85.	100.0	.0	12.0	.80 4.7
3. EBR	MD450	* 344985.0	467842.0	344935.0	467859.0	*	53.	289. AG	585.	3.5	.0	32.0	
4. EBR	MD450	* 344935.0	467859.0	344879.0	467841.0	*	59.	252. AG	585.	3.5	.0	32.0	
5. EBALL	MD450	* 344859.0	467845.0	344399.0	467145.0	*	838.	213. AG	2285.	3.5	.0	56.0	
6. EBT	MD450	* 344937.0	467963.0	344859.0	467844.0	*	142.	213. AG	1530.	3.5	.0	56.0	
7. EBT	MD450	* 344909.0	467920.0	344801.2	467759.7	*	193.	214. AG	186.	100.0	.0	36.0	.86 9.8
8. EBDP	MD450	* 345883.0	468265.0	345717.0	468296.0	*	169.	281. AG	1935.	3.5	.0	56.0	
9. EBDP	MD450	* 345717.0	468296.0	345553.0	468296.0	*	164.	270. AG	1935.	3.5	.0	56.0	
10. EBDP	MD450	* 345553.0	468296.0	345385.0	468260.0	*	172.	258. AG	1935.	3.5	.0	56.0	
11. EBDP	MD450	* 345385.0	468260.0	345252.0	468209.0	*	142.	249. AG	1935.	3.5	.0	56.0	
12. EBDP	MD450	* 345252.0	468209.0	345112.0	468113.0	*	170.	236. AG	1935.	3.5	.0	56.0	
13. EBDP	MD450	* 345112.0	468113.0	344938.0	467965.0	*	228.	230. AG	1935.	3.5	.0	56.0	
14. WBL	MD450	* 344916.0	468000.0	345132.0	468166.0	*	272.	52. AG	245.	3.6	.0	44.0	
15. WBL	MD450	* 345024.0	468083.0	345091.9	468134.9	*	85.	53. AG	178.	100.0	.0	24.0	.89 4.3
16. WBT	MD450	* 344914.0	468018.0	344990.0	468096.0	*	109.	44. AG	1190.	3.6	.0	56.0	
17. WBT	MD450	* 344990.0	468096.0	345114.0	468193.0	*	157.	52. AG	1190.	3.6	.0	56.0	
18. WBT	MD450	* 345000.0	468104.0	345113.3	468192.3	*	144.	52. AG	198.	100.0	.0	36.0	.75 7.3
19. WBR	MD450	* 344909.0	468152.0	344968.0	468134.0	*	62.	107. AG	145.	3.6	.0	32.0	
20. WBR	MD450	* 344968.0	468134.0	345095.0	468204.0	*	145.	61. AG	145.	3.6	.0	32.0	
21. WBALL	MD450	* 345117.0	468193.0	345250.0	468264.0	*	151.	62. AG	1580.	3.6	.0	56.0	
22. WBALL	MD450	* 345250.0	468264.0	345440.0	468317.0	*	197.	74. AG	1580.	3.6	.0	56.0	
23. WBALL	MD450	* 345440.0	468317.0	345585.0	468339.0	*	147.	81. AG	1580.	3.6	.0	56.0	
24. WBALL	MD450	* 345585.0	468339.0	345739.0	468339.0	*	154.	90. AG	1580.	3.6	.0	56.0	
25. WBALL	MD450	* 345739.0	468339.0	345867.0	468320.0	*	129.	98. AG	1580.	3.6	.0	56.0	
26. WBDP	MD450	* 344359.0	467173.0	344913.0	468000.0	*	995.	34. AG	1920.	3.6	.0	56.0	
27. SBL	MD410	* 344939.0	467975.0	344609.0	468370.0	*	515.	320. AG	170.	4.3	.0	44.0	
28. SBL	MD410	* 344864.0	468055.0	344840.3	468086.0	*	39.	323. AG	170.	100.0	.0	24.0	.41 2.0
29. SBT&R	MD410	* 344896.0	467966.0	344583.0	468350.0	*	495.	321. AG	1140.	4.3	.0	68.0	
30. SBT&R	MD410	* 344836.0	468040.0	344764.6	468127.4	*	113.	321. AG	292.	100.0	.0	48.0	.70 5.7
31. SBR	MD410	* 344855.0	467917.0	344814.0	468066.0	*	155.	345. AG	240.	4.3	.0	32.0	
32. SBALL	MD410	* 344603.0	468364.0	344262.0	468768.0	*	529.	320. AG	1310.	4.3	.0	56.0	
33. SBDP	MD410	* 345520.0	467202.0	344896.0	467969.0	*	989.	321. AG	1730.	4.3	.0	56.0	
34. NBT&R	MD410	* 344970.0	468008.0	345213.0	467696.0	*	395.	142. AG	915.	4.3	.0	56.0	
35. NBT&R	MD410	* 345019.0	467944.0	345081.7	467863.9	*	102.	142. AG	186.	100.0	.0	36.0	.51 5.2
36. NBL	MD410	* 344965.0	467976.0	345197.0	467681.0	*	375.	142. AG	490.	4.3	.0	32.0	
37. NBL	MD410	* 345002.0	467930.0	345698.7	467039.3	*	1131.	142. AG	74.	100.0	.0	12.0	1.20 57.4
38. NBALL	MD410	* 345210.0	467693.0	345411.0	467444.0	*	320.	141. AG	1405.	4.3	.0	68.0	
39. NBALL	MD410	* 345411.0	467444.0	345563.0	467237.0	*	257.	144. AG	1405.	4.3	.0	68.0	
40. NBR	MD410	* 345037.0	468044.0	345025.0	467973.0	*	72.	190. AG	235.	4.3	.0	32.0	
41. NBR	MD410	* 345025.0	467973.0	345057.0	467903.0	*	77.	155. AG	235.	4.3	.0	32.0	
42. NBDP	MD410	* 344322.0	468804.0	344503.0	468583.0	*	286.	141. AG	995.	4.3	.0	56.0	
43. NBDP	MD410	* 344503.0	468583.0	344664.0	468430.0	*	222.	134. AG	995.	4.3	.0	56.0	
44. NBDP	MD410	* 344664.0	468430.0	344843.0	468219.0	*	277.	140. AG	995.	4.3	.0	56.0	

JOB: S15 450&410 HLRT 2015PM  
 DATE: 10/07/2007 TIME: 12:01:20.40

RUN: S15 450&410 HLRT 2015PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. NBDP	MD410	* 344843.0	468219.0	344970.0	468013.0	*	242.	148. AG	995.	4.3	.0	56.0	

JOB: S15 450&410 HLRT 2015PM  
 DATE: 10/07/2007 TIME: 12:01:20.40

RUN: S15 450&410 HLRT 2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 100	84	2.0	170	1770	37.80	1	3
7. EBT	MD450	* 100	61	2.0	1530	1695	37.80	1	3
15. WBL	MD450	* 100	88	2.0	245	1717	37.80	1	3
18. WBT	MD450	* 100	65	2.0	1190	1695	37.80	1	3
28. SBL	MD410	* 100	84	2.0	170	1717	37.80	1	3
30. SBT&R	MD410	* 100	72	2.0	1140	1707	37.80	1	3
35. NBT&R	MD410	* 100	61	2.0	915	1707	37.80	1	3
37. NBL	MD410	* 100	73	2.0	490	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR \* \*  
 \* X Y Z \*



1.	SE COR	*	345046.0	467978.0	5.0	*
2.	SE 82S	*	345063.0	467929.0	5.0	*
3.	SE 164S	*	345112.0	467861.0	5.0	*
4.	SE 256S	*	345164.0	467790.0	5.0	*
5.	SE MIDS	*	345298.0	467635.0	5.0	*
6.	SE 82E	*	345084.0	468028.0	5.0	*
7.	SE 164E	*	345151.0	468080.0	5.0	*
8.	SE 256E	*	345217.0	468125.0	5.0	*
9.	SE MIDE	*	345365.0	468217.0	5.0	*
10.	NE COR	*	344925.0	468158.0	5.0	*
11.	NE 82N	*	344898.0	468202.0	5.0	*
12.	NE 164N	*	344846.0	468265.0	5.0	*
13.	NE 256N	*	344789.0	468333.0	5.0	*
14.	NE MIDN	*	344611.0	468523.0	5.0	*
15.	NE 82E	*	344961.0	468147.0	5.0	*
16.	NE 164E	*	345032.0	468203.0	5.0	*
17.	NE 256E	*	345098.0	468243.0	5.0	*
18.	NE MIDE	*	345278.0	468327.0	5.0	*
19.	SW COR	*	344946.0	467836.0	5.0	*
20.	SW 82S	*	344986.0	467806.0	5.0	*
21.	SW 164S	*	345027.0	467756.0	5.0	*
22.	SW 256S	*	345079.0	467688.0	5.0	*
23.	SW MIDS	*	345194.0	467537.0	5.0	*
24.	SW 82W	*	344871.0	467799.0	5.0	*
25.	SW 164W	*	344839.0	467741.0	5.0	*
26.	SW 256W	*	344795.0	467668.0	5.0	*
27.	SW MIDW	*	344696.0	467482.0	5.0	*
28.	NW COR	*	344818.0	467971.0	5.0	*
29.	NW 82N	*	344778.0	468064.0	5.0	*
30.	NW 164N	*	344713.0	468148.0	5.0	*
31.	NW 256N	*	344643.0	468240.0	5.0	*
32.	NW MIDN	*	344529.0	468400.0	5.0	*
33.	NW 82W	*	344801.0	467901.0	5.0	*
34.	NW 164W	*	344764.0	467831.0	5.0	*
35.	NW 256W	*	344712.0	467752.0	5.0	*
36.	NW MIDW	*	344574.0	467564.0	5.0	*

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JOB: S15 450&410 HLRT 2015PM

RUN: S15 450&410 HLRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.3	.1	.0	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
5.	*	.4	.3	.1	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
10.	*	.4	.3	.0	.0	.0	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
15.	*	.3	.3	.0	.0	.0	.4	.3	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7
20.	*	.3	.1	.0	.0	.0	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8
25.	*	.4	.1	.0	.0	.0	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
30.	*	.3	.1	.0	.0	.0	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
35.	*	.2	.0	.0	.0	.0	.2	.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
40.	*	.1	.0	.0	.0	.0	.1	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
45.	*	.1	.0	.0	.0	.0	.1	.2	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6
50.	*	.0	.0	.0	.0	.0	.1	.2	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6
55.	*	.0	.0	.0	.0	.0	.1	.0	.1	.4	.0	.0	.0	.0	.0	.1	.0	.0	.7	.5
60.	*	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.1	.0	.0	.0	.7	.5
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.2	.1	.0	.0	.7	.5
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	.1	.1	.0	.5	.5
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.4	.1	.2	.0	.6	.4
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.5	.2	.2	.0	.6	.4
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.6	.2	.3	.1	.6	.4
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.7	.4	.2	.1	.5	.4
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.7	.5	.2	.2	.4	.5
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.7	.5	.1	.2	.4	.5
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.8	.5	.2	.2	.3	.4
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.7	.5	.2	.2	.3	.4
115.	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.7	.5	.2	.2	.4
120.	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.5	.3	.1	.1	.0	.7	.5	.2	.3	.4
125.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.3	.2	.2	.1	.1	.7	.6	.2	.2	.4
130.	*	.0	.2	.1	.2	.1	.0	.0	.0	.0	.3	.3	.2	.1	.1	.6	.7	.2	.2	.4
135.	*	.0	.3	.2	.3	.1	.0	.0	.0	.0	.3	.3	.1	.2	.2	.5	.7	.2	.2	.3
140.	*	.3	.6	.5	.4	.3	.0	.0	.0	.0	.2	.2	.2	.1	.2	.5	.6	.2	.2	.3
145.	*	.4	.6	.5	.5	.4	.0	.0	.0	.0	.5	.4	.2	.3	.2	.5	.7	.3	.2	.1
150.	*	.5	.7	.5	.5	.5	.1	.0	.0	.0	.7	.5	.3	.3	.3	.5	.8	.3	.2	.1
155.	*	.5	.8	.6	.6	.4	.2	.0	.0	.0	.7	.5	.3	.3	.4	.7	.8	.3	.2	.1
160.	*	.6	.8	.5	.6	.5	.2	.0	.0	.0	.7	.2	.3	.4	.3	.6	1.0	.4	.2	.0
165.	*	.6	.9	.4	.6	.4	.3	.2	.0	.0	.5	.2	.3	.2	.2	.6	1.0	.5	.2	.0
170.	*	.7	.9	.4	.4	.4	.4	.2	.0	.0	.4	.2	.4	.3	.3	.4	1.0	.6	.2	.0
175.	*	.7	1.0	.5	.4	.4	.4	.2	.0	.0	.4	.3	.5	.4	.2	.4	1.0	.7	.2	.0
180.	*	.7	1.0	.5	.4	.4	.4	.1	.0	.0	.4	.3	.7	.5	.1	.4	.8	.7	.2	.0
185.	*	.7	1.0	.5	.3	.4	.5	.1	.0	.0	.4	.4	.7	.4	.1	.5	.8	.8	.2	.0
190.	*	.7	.9	.3	.3	.4	.5	.1	.0	.0	.4	.6	.7	.4	.2	.5	.7	.8	.3	.0
195.	*	.7	.9	.3	.3	.4	.5	.2	.0	.0	.4	.7	.7	.3	.2	.6	.8	.7	.2	.0

200. \* .6 .9 .3 .3 .4 .5 .2 .0 .0 .4 .8 .5 .3 .2 .5 .7 .7 .3 .0 .0  
 205. \* .6 .9 .3 .3 .4 .4 .2 .0 .0 .7 .7 .4 .2 .2 .5 .6 .9 .3 .0 .0  
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JOB: S15 450&410 HLRT 2015PM

RUN: S15 450&410 HLRT 2015PM

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WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.7	.9	.3	.3	.4	.5	.2	.1	.0	.6	.6	.4	.2	.2	.4	.4	1.0	.3	.1	.0
215.	*	.8	1.0	.3	.3	.4	.6	.3	.1	.0	.5	.5	.3	.2	.2	.5	.4	.8	.4	.1	.1
220.	*	.7	1.0	.3	.3	.4	.6	.5	.2	.0	.6	.5	.3	.2	.2	.4	.2	.4	.3	.2	.1
225.	*	.7	1.2	.4	.3	.4	.6	.5	.4	.0	.5	.5	.3	.2	.2	.5	.2	.4	.3	.4	.2
230.	*	.7	1.2	.4	.3	.4	.7	.5	.4	.0	.6	.4	.2	.2	.2	.5	.1	.2	.2	.4	.2
235.	*	.8	1.2	.5	.4	.4	.6	.3	.3	.0	.6	.4	.2	.2	.2	.5	.1	.2	.2	.4	.2
240.	*	.8	1.2	.5	.4	.4	.5	.3	.3	.2	.5	.4	.2	.2	.2	.5	.1	.1	.2	.5	.2
245.	*	.5	1.3	.6	.4	.4	.4	.4	.2	.3	.5	.3	.2	.2	.2	.5	.1	.1	.1	.5	.3
250.	*	.6	1.2	.7	.4	.4	.4	.2	.3	.3	.4	.3	.2	.2	.2	.4	.1	.1	.0	.4	.3
255.	*	.6	1.2	.7	.4	.4	.3	.3	.5	.4	.4	.3	.2	.2	.2	.4	.1	.1	.0	.5	.3
260.	*	.5	1.1	.8	.4	.4	.2	.4	.5	.4	.4	.2	.2	.2	.2	.4	.1	.0	.0	.5	.3
265.	*	.4	1.1	.7	.5	.4	.3	.5	.5	.5	.3	.2	.2	.1	.2	.4	.0	.0	.0	.5	.4
270.	*	.3	1.1	.8	.4	.4	.3	.5	.6	.5	.3	.2	.2	.1	.2	.3	.0	.0	.0	.5	.4
275.	*	.5	.9	.8	.5	.4	.4	.6	.6	.3	.3	.2	.2	.1	.3	.3	.0	.0	.0	.6	.4
280.	*	.4	.9	1.1	.6	.4	.5	.6	.6	.3	.2	.3	.2	.2	.3	.2	.0	.0	.0	.8	.4
285.	*	.4	1.0	1.0	.6	.4	.5	.6	.5	.3	.2	.3	.2	.3	.3	.2	.0	.0	.0	.7	.4
290.	*	.4	.9	1.0	.7	.4	.5	.6	.4	.3	.2	.2	.2	.3	.2	.1	.0	.0	.0	.7	.3
295.	*	.5	.9	1.0	.7	.5	.4	.6	.4	.3	.1	.2	.2	.3	.2	.1	.0	.0	.0	.7	.3
300.	*	.5	.8	1.0	.6	.5	.6	.7	.3	.3	.2	.2	.3	.3	.3	.1	.0	.0	.0	.7	.4
305.	*	.5	.8	1.0	.6	.5	.4	.7	.3	.3	.2	.2	.3	.2	.3	.2	.0	.0	.0	.7	.5
310.	*	.3	.7	.9	.7	.5	.4	.6	.4	.3	.2	.1	.2	.2	.2	.1	.0	.0	.0	.8	.6
315.	*	.2	.6	.8	.6	.5	.4	.6	.4	.3	.2	.1	.1	.1	.2	.1	.0	.0	.0	.8	.7
320.	*	.2	.4	.7	.5	.3	.6	.5	.3	.3	.2	.1	.1	.1	.2	.0	.0	.0	.0	.6	.7
325.	*	.2	.4	.6	.3	.2	.7	.5	.3	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	.7	.7
330.	*	.2	.2	.4	.3	.1	.7	.3	.3	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7	.7
335.	*	.2	.3	.5	.3	.1	.7	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6
340.	*	.3	.4	.4	.2	.1	.7	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4
345.	*	.3	.3	.5	.2	.0	.7	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3
350.	*	.4	.3	.3	.2	.0	.7	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
355.	*	.4	.3	.2	.0	.0	.7	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
360.	*	.4	.3	.1	.0	.0	.6	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
MAX	*	.8	1.3	1.1	.7	.5	.7	.7	.6	.5	.7	.8	.7	.5	.4	.8	1.0	1.0	.4	.8	.8
DEGR.	*	235	245	280	290	150	230	300	270	265	150	200	180	180	155	105	160	210	215	280	20

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JOB: S15 450&410 HLRT 2015PM

RUN: S15 450&410 HLRT 2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.8	.6	.3	1.0	1.0	.6	.3	.6	1.0	.2	.2	.2	.3	.2	.1	.0
5.	*	.8	.5	.4	1.0	1.0	.6	.3	.6	1.1	.2	.2	.3	.3	.2	.1	.0
10.	*	.7	.5	.4	1.0	1.0	.7	.3	.5	1.1	.2	.2	.3	.3	.2	.2	.0
15.	*	.6	.4	.4	.8	.9	.6	.4	.5	1.1	.2	.2	.3	.3	.3	.2	.0
20.	*	.5	.4	.4	.8	.7	.6	.4	.4	1.1	.2	.2	.3	.2	.2	.2	.1
25.	*	.5	.4	.4	.7	.6	.5	.3	.4	.9	.2	.1	.3	.2	.2	.3	.1
30.	*	.5	.4	.4	.6	.5	.3	.2	.3	.9	.1	.1	.3	.3	.3	.3	.1
35.	*	.5	.4	.4	.5	.3	.3	.2	.3	.9	.1	.2	.3	.3	.2	.4	.4
40.	*	.4	.4	.4	.5	.3	.2	.0	.2	1.1	.1	.2	.3	.3	.5	.4	.4
45.	*	.4	.4	.4	.2	.3	.2	.0	.2	1.1	.1	.2	.3	.5	.5	.5	.5
50.	*	.4	.4	.4	.2	.2	.1	.0	.2	1.2	.2	.2	.3	.4	.7	.6	.5
55.	*	.4	.4	.4	.2	.2	.1	.0	.2	1.2	.2	.2	.3	.5	.9	.7	.5
60.	*	.4	.4	.4	.2	.2	.1	.0	.5	1.4	.1	.2	.3	.4	.8	.7	.4
65.	*	.4	.4	.4	.2	.2	.1	.0	.4	1.3	.1	.2	.2	.6	.9	.8	.4
70.	*	.4	.3	.4	.2	.1	.1	.0	.4	1.2	.1	.1	.2	.6	1.1	.8	.4
75.	*	.4	.3	.4	.2	.1	.1	.0	.3	1.2	.2	.1	.2	.6	1.1	.7	.4
80.	*	.4	.3	.4	.1	.1	.1	.0	.3	1.3	.4	.2	.2	.8	1.0	.7	.3
85.	*	.4	.3	.4	.1	.1	.1	.0	.4	1.3	.4	.2	.2	.8	.9	.7	.3
90.	*	.4	.3	.4	.1	.1	.1	.0	.5	1.4	.4	.2	.2	.8	.7	.6	.3
95.	*	.4	.4	.4	.2	.1	.1	.0	.5	1.3	.5	.2	.3	.8	.7	.6	.3
100.	*	.4	.5	.4	.2	.1	.1	.0	.5	1.2	.6	.3	.3	.9	.7	.6	.3
105.	*	.4	.5	.4	.2	.1	.1	.0	.4	1.2	.5	.3	.3	.9	.7	.5	.3
110.	*	.4	.5	.5	.2	.1	.1	.0	.7	1.1	.6	.3	.3	.9	.7	.5	.3
115.	*	.5	.5	.5	.2	.1	.1	.0	.7	1.1	.7	.3	.2	.9	.7	.5	.3
120.	*	.5	.5	.4	.2	.1	.0	.0	.7	1.0	.8	.3	.2	.9	.8	.4	.3
125.	*	.5	.5	.4	.2	.1	.0	.0	.7	1.2	.9	.5	.2	.9	.8	.4	.3
130.	*	.5	.5	.3	.1	.0	.0	.0	.7	1.0	.8	.6	.3	.9	.8	.4	.3
135.	*	.4	.4	.3	.1	.0	.0	.0	.8	1.0	.9	.6	.3	.8	.7	.4	.3
140.	*	.4	.3	.2	.0	.0	.0	.0	.6	.9	.8	.5	.3	.8	.6	.4	.3
145.	*	.2	.2	.1	.0	.0	.0	.0	.6	.6	.8	.6	.3	.7	.6	.4	.3
150.	*	.2	.1	.1	.0	.0	.0	.0	.6	.5	.6	.4	.2	.7	.6	.4	.3
155.	*	.1	.1	.0	.0	.0	.0	.0	.5	.5	.5	.3	.1	.6	.5	.4	.3

160.	*	.1	.0	.0	.0	.0	.0	.0	.5	.4	.4	.2	.1	.6	.5	.4	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.4	.1	.0	.6	.5	.4	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.3	.1	.0	.6	.6	.5	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.6	.5	.5	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.6	.5	.5	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.0	.0	.6	.5	.5	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2	.0	.0	.6	.5	.5	.4
195.	*	.0	.0	.0	.1	.0	.0	.0	.4	.2	.0	.0	.0	.6	.5	.5	.4
200.	*	.0	.0	.0	.1	.1	.1	.0	.3	.2	.0	.0	.0	.5	.6	.6	.4
205.	*	.0	.0	.0	.2	.1	.1	.0	.3	.1	.0	.0	.0	.4	.5	.4	.3

1

JOB: S15 450&410 HLRT 2015PM

RUN: S15 450&410 HLRT 2015PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.2	.1	.1	.2	.0	.0	.0	.0	.3	.4	.4	.3
215.	*	.0	.0	.0	.5	.3	.3	.1	.2	.0	.0	.0	.0	.3	.4	.4	.2
220.	*	.0	.0	.0	.5	.4	.3	.1	.1	.0	.0	.0	.0	.1	.3	.2	.1
225.	*	.1	.0	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.1	.2	.2	.1
230.	*	.1	.0	.0	.7	.4	.4	.3	.0	.0	.0	.0	.0	.1	.1	.1	.0
235.	*	.2	.0	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
240.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.1	.0	.8	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.1	.0	.9	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.1	.0	.9	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.1	.0	.9	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.1	.0	.8	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.1	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.2	.0	.8	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.2	.0	.8	.5	.3	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.8	.5	.3	.3	.0	.1	.1	.0	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.8	.6	.3	.3	.0	.2	.1	.1	.0	.0	.0	.0	.0
305.	*	.3	.2	.1	.8	.6	.3	.3	.0	.2	.1	.1	.0	.0	.0	.0	.0
310.	*	.3	.2	.2	.8	.6	.3	.3	.0	.2	.1	.1	.0	.0	.0	.0	.0
315.	*	.4	.2	.2	.9	.7	.3	.3	.1	.4	.2	.2	.1	.0	.0	.0	.0
320.	*	.4	.4	.2	.9	.7	.3	.3	.2	.5	.3	.3	.2	.0	.0	.0	.0
325.	*	.5	.4	.2	.9	.7	.3	.3	.3	.6	.3	.3	.2	.0	.0	.0	.0
330.	*	.5	.4	.2	1.0	.7	.3	.3	.3	.7	.3	.3	.2	.0	.0	.0	.0
335.	*	.4	.4	.4	1.2	.7	.3	.3	.4	.8	.3	.3	.2	.2	.0	.0	.0
340.	*	.3	.4	.4	1.2	.8	.3	.3	.5	.8	.2	.3	.2	.2	.0	.0	.0
345.	*	.4	.5	.4	1.1	.9	.4	.3	.5	.9	.2	.3	.2	.3	.0	.0	.0
350.	*	.4	.6	.4	1.1	.9	.5	.3	.6	.9	.2	.2	.2	.3	.1	.0	.0
355.	*	.7	.6	.3	1.1	.9	.5	.3	.6	1.0	.2	.2	.2	.3	.2	.0	.0
360.	*	.8	.6	.3	1.0	1.0	.6	.3	.6	1.0	.2	.2	.2	.3	.2	.1	.0
MAX	*	.8	.6	.5	1.2	1.0	.7	.4	.8	1.4	.9	.6	.3	.9	1.1	.8	.5
DEGR.	*	0	0	110	335	0	10	15	135	60	125	130	5	100	70	65	45

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 60 DEGREES FROM REC29.

THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 245 DEGREES FROM REC2 .

THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 335 DEGREES FROM REC24.

Site 15

MD 410 at MD 450

2030

[illegible]

WBALL	MD450	AG	1445.	1129.	1629.	1179.	2695	3.2	0	56	30
1											
WBALL	MD450	AG	1629.	1179.	1806.	1194.	2695	3.2	0	56	30
1											
WBALL	MD450	AG	1806.	1194.	2009.	1175.	2695	3.2	0	56	30
1											
WBDP	MD450	AG	562.	-19.	962.	726.	2710	3.2	0	56	30
1											
WBDP	MD450	AG	962.	726.	1059.	871.	2710	3.2	0	56	30
1											
NBL	MD410	AG	1081.	839.	1454.	370.	770	3.7	0	32	50
2											
NBL	MD410	AG	1124.	785.	1226.	657.	0.	12	1		
100	69		2.0	770	32.1	1770	1	3			
1											
NBT	MD410	AG	1100.	858.	1470.	388.	1065	3.7	0	44	50
2											
NBT	MD410	AG	1143.	803.	1297.	608.	0.	24	2		
100	61		2.0	1065	32.1	1770	1	3			
1											
NBR	MD410	AG	1173.	903.	1162.	808.	440	3.7	0	32	50
1											
NBR	MD410	AG	1162.	808.	1264.	665.	440	3.7	0	32	50
2											
NBR	MD410	AG	1164.	805.	1223.	722.	0.	12	1		
100	61		2.0	440	32.1	1783	1	3			
1											
NBR	MD410	AG	1264.	665.	1480.	395.	440	3.7	0	32	50
1											
NBALL	MD410	AG	1471.	387.	1707.	72.	2275	3.7	0	56	50
1											
NBDP	MD410	AG	465.	1643.	672.	1384.	1480	3.7	0	44	50
1											
NBDP	MD410	AG	673.	1385.	1097.	857.	1480	3.7	0	56	50
1											
SBL	MD410	AG	1068.	841.	757.	1226.	180	3.7	0	44	50
2											
SBL	MD410	AG	1011.	911.	896.	1054.	0.	24	2		
100	89		2.0	180	32.1	1583	1	3			
1											
SBT	MD410	AG	1058.	809.	737.	1210.	745	3.7	0	44	50
2											
SBT	MD410	AG	993.	890.	861.	1055.	0.	24	2		
100	79		2.0	745	32.1	1770	1	3			
1											
SBR	MD410	AG	970.	742.	978.	871.	250	3.7	0	32	50
1											
SBR	MD410	AG	978.	872.	730.	1202.	250	3.7	0	32	50
2											
SBR	MD410	AG	967.	887.	898.	978.	0.	12	1		
100	79		2.0	250	32.1	1583	1	3			
1											
SBALL	MD410	AG	743.	1217.	568.	1428.	1175	3.7	0	44	50
1											
SBALL	MD410	AG	569.	1426.	423.	1608.	1175	3.7	0	56	50
1											
SBDP	MD410	AG	1658.	38.	1061.	808.	1670	3.7	0	56	50
1.0	04	1000	0Y	5	0	72					

JOB: S15 MD450&MD410 NB30AM  
 DATE: 09/22/2007 TIME: 01:21:35.01

RUN: MD450&MD410

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD450	*	1069.0	845.0	958.0	670.0	*	207.	212. AG	280.	3.0	.0	32.0		
2. EBL	MD450	*	1017.0	764.0	542.1	9.3	*	892.	212. AG	72.	100.0	.0	12.0	1.32	45.3
3. EBL	MD450	*	958.0	670.0	859.0	473.0	*	220.	207. AG	280.	3.0	.0	32.0		
4. EBT	MD450	*	1095.0	823.0	995.0	696.0	*	162.	218. AG	670.	3.0	.0	56.0		
5. EBT	MD450	*	1042.0	755.0	992.1	691.8	*	80.	218. AG	170.	100.0	.0	36.0	.44	4.1
6. EBT&R	MD450	*	995.0	696.0	874.0	467.0	*	259.	208. AG	1125.	3.0	.0	56.0		
7. EBR	MD450	*	1133.0	691.0	1074.0	714.0	*	63.	291. AG	455.	3.0	.0	32.0		
8. EBR	MD450	*	1073.0	714.0	995.0	693.0	*	81.	255. AG	455.	3.0	.0	32.0		
9. EBALL	MD450	*	874.0	465.0	608.0	-42.0	*	573.	208. AG	1405.	3.0	.0	56.0		
10. EBDP	MD450	*	2028.0	1122.0	1847.0	1144.0	*	182.	277. AG	1290.	3.0	.0	56.0		
11. EBDP	MD450	*	1847.0	1144.0	1674.0	1135.0	*	173.	267. AG	1290.	3.0	.0	56.0		
12. EBDP	MD450	*	1674.0	1135.0	1483.0	1091.0	*	196.	257. AG	1290.	3.0	.0	56.0		
13. EBDP	MD450	*	1483.0	1091.0	1261.0	980.0	*	248.	243. AG	1290.	3.0	.0	56.0		
14. EBDP	MD450	*	1261.0	980.0	1089.0	833.0	*	226.	229. AG	1290.	3.0	.0	56.0		
15. WBLT	MD450	*	1081.0	856.0	1199.0	972.0	*	165.	45. AG	470.	3.2	.0	44.0		
16. WBL	MD450	*	1124.0	898.0	1200.7	974.7	*	108.	45. AG	134.	100.0	.0	24.0	.76	5.5
17. WBLT	MD450	*	1199.0	972.0	1305.0	1046.0	*	129.	55. AG	470.	3.2	.0	44.0		
18. WBLT	MD450	*	1305.0	1046.0	1446.0	1109.0	*	154.	66. AG	470.	3.2	.0	44.0		
19. WBT	MD450	*	1059.0	870.0	1183.0	994.0	*	175.	45. AG	2090.	3.2	.0	56.0		
20. WBT	MD450	*	1103.0	914.0	1960.1	1771.1	*	1212.	45. AG	155.	100.0	.0	36.0	1.14	61.6
21. WBT	MD450	*	1183.0	994.0	1322.0	1084.0	*	166.	57. AG	2090.	3.2	.0	56.0		
22. WBT	MD450	*	1322.0	1084.0	1443.0	1129.0	*	129.	70. AG	2225.	3.2	.0	56.0		
23. WBR	MD450	*	991.0	1004.0	1055.0	961.0	*	77.	124. AG	135.	3.2	.0	32.0		
24. WBR	MD450	*	1055.0	961.0	1126.0	978.0	*	73.	77. AG	135.	3.2	.0	32.0		
25. WBR	MD450	*	1126.0	978.0	1222.0	1050.0	*	120.	53. AG	135.	3.2	.0	32.0		
26. WBR	MD450	*	1222.0	1050.0	1321.0	1085.0	*	105.	71. AG	135.	3.2	.0	32.0		
27. WBALL	MD450	*	1445.0	1129.0	1629.0	1179.0	*	191.	75. AG	2695.	3.2	.0	56.0		
28. WBALL	MD450	*	1629.0	1179.0	1806.0	1194.0	*	178.	85. AG	2695.	3.2	.0	56.0		
29. WBALL	MD450	*	1806.0	1194.0	2009.0	1175.0	*	204.	95. AG	2695.	3.2	.0	56.0		
30. WBDP	MD450	*	562.0	-19.0	962.0	726.0	*	846.	28. AG	2710.	3.2	.0	56.0		
31. WBDP	MD450	*	962.0	726.0	1059.0	871.0	*	174.	34. AG	2710.	3.2	.0	56.0		
32. NBL	MD410	*	1081.0	839.0	1454.0	370.0	*	599.	142. AG	770.	3.7	.0	32.0		
33. NBL	MD410	*	1124.0	785.0	3209.3	-1831.8	*	3346.	141. AG	59.	100.0	.0	12.0	1.61	170.0
34. NBT	MD410	*	1100.0	858.0	1470.0	388.0	*	598.	142. AG	1065.	3.7	.0	44.0		
35. NBT	MD410	*	1143.0	803.0	1267.1	645.9	*	200.	142. AG	105.	100.0	.0	24.0	.86	10.2
36. NBR	MD410	*	1173.0	903.0	1162.0	808.0	*	96.	187. AG	440.	3.7	.0	32.0		
37. NBR	MD410	*	1162.0	808.0	1264.0	665.0	*	176.	145. AG	440.	3.7	.0	32.0		
38. NBR	MD410	*	1164.0	805.0	1249.0	685.4	*	147.	145. AG	53.	100.0	.0	12.0	.71	7.5
39. NBR	MD410	*	1264.0	665.0	1480.0	395.0	*	346.	141. AG	440.	3.7	.0	32.0		
40. NBALL	MD410	*	1471.0	387.0	1707.0	72.0	*	394.	143. AG	2275.	3.7	.0	56.0		
41. NBDP	MD410	*	465.0	1643.0	672.0	1384.0	*	332.	141. AG	1480.	3.7	.0	44.0		
42. NBDP	MD410	*	673.0	1385.0	1097.0	857.0	*	677.	141. AG	1480.	3.7	.0	56.0		
43. SBL	MD410	*	1068.0	841.0	757.0	1226.0	*	495.	321. AG	180.	3.7	.0	44.0		
44. SBL	MD410	*	1011.0	911.0	974.4	956.6	*	58.	321. AG	153.	100.0	.0	24.0	.82	3.0

JOB: S15 MD450&MD410 NB30AM  
 DATE: 09/22/2007 TIME: 01:21:35.01

RUN: MD450&MD410

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD410	*	1058.0	809.0	737.0	1210.0	*	514.	321. AG	745.	3.7	.0	44.0		
46. SBT	MD410	*	993.0	890.0	384.5	1650.6	*	974.	321. AG	136.	100.0	.0	24.0	1.24	49.5
47. SBR	MD410	*	970.0	742.0	978.0	871.0	*	129.	4. AG	250.	3.7	.0	32.0		
48. SBR	MD410	*	978.0	872.0	730.0	1202.0	*	413.	323. AG	250.	3.7	.0	32.0		
49. SBR	MD410	*	967.0	887.0	874.7	1008.8	*	153.	323. AG	68.	100.0	.0	12.0	.93	7.8
50. SBALL	MD410	*	743.0	1217.0	568.0	1428.0	*	274.	320. AG	1175.	3.7	.0	44.0		
51. SBALL	MD410	*	569.0	1426.0	423.0	1608.0	*	233.	321. AG	1175.	3.7	.0	56.0		
52. SBDP	MD410	*	1658.0	38.0	1061.0	808.0	*	974.	322. AG	1670.	3.7	.0	56.0		

JOB: S15 MD450&MD410 NB30AM  
 DATE: 09/22/2007 TIME: 01:21:35.01

RUN: MD450&MD410

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD450	*	100	84	2.0	280	1770	32.10	1	3
5. EBT	MD450	*	100	66	2.0	670	1695	32.10	1	3
16. WBL	MD450	*	100	78	2.0	470	1717	32.10	1	3
20. WBT	MD450	*	100	60	2.0	2090	1695	32.10	1	3
33. NBL	MD410	*	100	69	2.0	770	1770	32.10	1	3
35. NBT	MD410	*	100	61	2.0	1065	1770	32.10	1	3

38.	NBR	MD410	*	100	61	2.0	440	1783	32.10	1	3
44.	SBL	MD410	*	100	89	2.0	180	1583	32.10	1	3
46.	SBT	MD410	*	100	79	2.0	745	1770	32.10	1	3
49.	SBR	MD410	*	100	79	2.0	250	1583	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1190.0	858.0	5.0	*
2. SE 82E	*	1218.0	900.0	5.0	*
3. SE 164E	*	1282.0	952.0	5.0	*
4. SE 256E	*	1361.0	998.0	5.0	*
5. SE MIDE	*	1519.0	1066.0	5.0	*
6. SE 82S	*	1189.0	806.0	5.0	*
7. SE 164S	*	1243.0	737.0	5.0	*
8. SE 256S	*	1302.0	659.0	5.0	*
9. SE MIDS	*	1392.0	547.0	5.0	*
10. NE COR	*	1066.0	988.0	5.0	*
11. NE 82N	*	1004.0	1024.0	5.0	*
12. NE 164N	*	952.0	1086.0	5.0	*
13. NE 256N	*	898.0	1154.0	5.0	*
14. NE MIDN	*	757.0	1338.0	5.0	*
15. NE 82E	*	1115.0	1003.0	5.0	*
16. NE 164E	*	1181.0	1050.0	5.0	*
17. NE 256E	*	1255.0	1089.0	5.0	*
18. NE MIDE	*	1519.0	1186.0	5.0	*
19. SW COR	*	1069.0	692.0	5.0	*
20. SW 82S	*	1120.0	667.0	5.0	*
21. SW 164S	*	1172.0	602.0	5.0	*
22. SW 256S	*	1225.0	536.0	5.0	*
23. SW MIDS	*	1293.0	449.0	5.0	*
24. SW 82W	*	1013.0	662.0	5.0	*
25. SW 164W	*	976.0	589.0	5.0	*
26. SW 256W	*	926.0	497.0	5.0	*
27. SW MIDW	*	852.0	357.0	5.0	*
28. NW COR	*	955.0	836.0	5.0	*
29. NW 82N	*	931.0	911.0	5.0	*
30. NW 164N	*	879.0	975.0	5.0	*
31. NW 256N	*	818.0	1052.0	5.0	*
32. NW MIDN	*	635.0	1305.0	5.0	*
33. NW 82W	*	950.0	775.0	5.0	*
34. NW 164W	*	903.0	691.0	5.0	*
35. NW 256W	*	856.0	596.0	5.0	*

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JOB: S15 MD450&MD410 NB30AM  
DATE: 09/22/2007 TIME: 01:21:35.01

RUN: MD450&MD410

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# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
36. NW MIDW	*	761.0	411.0	5.0	*

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JOB: S15 MD450&MD410 NB30AM

RUN: MD450&MD410

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.5	.4	.4	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.2	.4	.3
5.	*	.5	.4	.4	.4	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.2	.3	.4
10.	*	.5	.5	.4	.4	.5	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.2	.3	.5
15.	*	.5	.5	.4	.4	.4	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.3	.6
20.	*	.5	.5	.6	.4	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2	.4	.7
25.	*	.5	.5	.5	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4	.7
30.	*	.4	.6	.4	.6	.3	.2	.1	.1	.0	.0	.0	.0	.0	.1	.1	.4	.2	.3	.6
35.	*	.3	.5	.4	.6	.3	.2	.1	.0	.0	.1	.0	.0	.0	.1	.2	.6	.2	.4	.6
40.	*	.3	.4	.4	.4	.3	.1	.1	.0	.0	.1	.0	.0	.0	.2	.2	.8	.1	.3	.6
45.	*	.1	.3	.2	.4	.3	.1	.0	.0	.0	.2	.1	.0	.0	.3	.3	.9	.1	.3	.6
50.	*	.1	.3	.3	.3	.3	.1	.0	.0	.0	.2	.1	.1	.0	.3	.4	1.0	.1	.3	.5
55.	*	.0	.2	.2	.2	.3	.0	.0	.0	.0	.3	.1	.1	.0	.5	.5	1.0	.0	.2	.5
60.	*	.0	.0	.1	.2	.2	.0	.0	.0	.0	.4	.2	.1	.1	.5	.6	1.1	.0	.3	.5
65.	*	.0	.0	.1	.1	.2	.0	.0	.0	.0	.4	.2	.1	.1	.5	.7	1.0	.1	.3	.5
70.	*	.0	.0	.1	.1	.2	.0	.0	.0	.0	.4	.2	.1	.1	.5	.7	1.2	.2	.3	.5
75.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.4	.2	.1	.1	.5	.7	1.1	.2	.3	.5
80.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.2	.1	.1	.5	.6	1.1	.3	.3	.5
85.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.5	.3	.1	.1	.5	.6	1.0	.3	.3	.5
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.1	.5	.7	.8	.3	.3	.5
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.1	.5	.7	.8	.3	.4	.5





60.	*	.5	.4	.4	.2	.2	.0	.0	.7	1.1	.8	.6	.6	.5	.6	.5	.6
65.	*	.5	.4	.4	.2	.2	.0	.0	.7	1.1	.8	.6	.6	.4	.5	.6	.6
70.	*	.4	.4	.4	.2	.1	.0	.0	.6	1.2	.9	.6	.6	.3	.6	.5	.6
75.	*	.4	.4	.4	.2	.1	.0	.0	.5	1.3	.8	.6	.6	.3	.7	.5	.6
80.	*	.4	.4	.4	.2	.1	.0	.0	.3	1.3	.8	.6	.7	.4	.7	.5	.6
85.	*	.4	.4	.4	.2	.1	.0	.0	.2	1.2	.8	.6	.7	.5	.7	.5	.5
90.	*	.4	.4	.4	.2	.1	.0	.0	.2	1.1	.9	.6	.8	.6	.5	.5	.5
95.	*	.4	.4	.3	.1	.1	.0	.0	.2	1.0	.9	.6	.9	.5	.5	.5	.5
100.	*	.4	.4	.3	.1	.1	.0	.0	.4	.8	1.0	.6	.9	.5	.5	.4	.5
105.	*	.4	.4	.4	.1	.1	.0	.0	.4	.7	.9	.7	.9	.6	.6	.5	.5
110.	*	.4	.4	.4	.1	.1	.0	.0	.5	.6	.8	.7	.9	.8	.6	.5	.5
115.	*	.4	.3	.4	.2	.1	.0	.0	.6	.5	.8	.7	.9	.7	.6	.5	.5
120.	*	.3	.4	.4	.2	.1	.0	.0	.6	.7	.8	.6	.9	.7	.6	.5	.5
125.	*	.4	.5	.5	.2	.0	.0	.0	.5	.8	.7	.6	.9	.7	.6	.5	.5
130.	*	.4	.5	.5	.2	.0	.0	.0	.5	.7	.8	.5	.8	.7	.4	.5	.5
135.	*	.3	.4	.4	.2	.0	.0	.0	.5	.5	.7	.6	.7	.7	.4	.5	.5
140.	*	.3	.3	.4	.0	.0	.0	.0	.5	.4	.5	.6	.7	.6	.4	.5	.5
145.	*	.2	.3	.3	.0	.0	.0	.0	.4	.4	.3	.5	.5	.4	.5	.5	.5
150.	*	.1	.1	.1	.0	.0	.0	.0	.4	.3	.3	.2	.4	.5	.5	.5	.5
155.	*	.1	.1	.1	.0	.0	.0	.0	.4	.2	.1	.0	.2	.5	.5	.5	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.1	.5	.5	.5	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.1	.5	.5	.4	.6
170.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.5	.5	.4	.6
175.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.5	.5	.4	.7
180.	*	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.5	.5	.6	.7
185.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.5	.6	.7
190.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.5	.6	.7
195.	*	.0	.0	.0	.0	.0	.0	.1	.3	.2	.1	.0	.0	.5	.5	.6	.7
200.	*	.0	.0	.0	.1	.0	.1	.1	.3	.1	.1	.0	.0	.5	.5	.6	.7
205.	*	.0	.0	.0	.2	.3	.2	.1	.3	.1	.0	.0	.0	.4	.4	.5	.6

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JOB: S15 MD450&MD410 NB30AM

RUN: MD450&MD410

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.3	.4	.2	.3	.2	.1	.0	.0	.3	.4	.4	.4
215.	*	.0	.0	.0	.3	.4	.3	.3	.1	.0	.0	.0	.3	.3	.3	.4
220.	*	.0	.0	.0	.4	.5	.5	.4	.0	.0	.0	.0	.1	.1	.2	.3
225.	*	.0	.0	.0	.4	.5	.5	.5	.0	.0	.0	.0	.1	.1	.1	.1
230.	*	.1	.0	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.1	.1
235.	*	.1	.0	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1
240.	*	.1	.1	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.1	.1	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.1	.1	.0	.4	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.1	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.1	.0	.0	.3	.4	.4	.4	.0	.0	.0	.1	.0	.0	.0	.0
305.	*	.1	.0	.0	.4	.4	.4	.4	.0	.1	.1	.1	.0	.0	.0	.0
310.	*	.3	.1	.1	.4	.4	.4	.4	.1	.2	.1	.1	.2	.0	.0	.0
315.	*	.4	.2	.2	.5	.4	.4	.4	.1	.3	.2	.2	.4	.0	.0	.0
320.	*	.4	.2	.2	.7	.4	.4	.4	.1	.5	.3	.3	.5	.1	.0	.0
325.	*	.3	.3	.3	.7	.4	.4	.4	.2	.6	.4	.3	.7	.1	.0	.0
330.	*	.4	.3	.3	.8	.5	.4	.4	.3	.9	.6	.5	.8	.2	.1	.0
335.	*	.4	.3	.4	.7	.4	.5	.4	.6	.9	.6	.6	.9	.2	.1	.0
340.	*	.4	.3	.5	.7	.4	.5	.4	.6	.9	.8	.6	.9	.2	.1	.0
345.	*	.2	.5	.6	.8	.4	.5	.5	.6	.9	.7	.6	.9	.3	.1	.0
350.	*	.4	.6	.6	.8	.5	.5	.5	.6	.9	.7	.6	.9	.4	.1	.1
355.	*	.6	.6	.6	.9	.6	.5	.5	.6	.8	.7	.6	.8	.4	.1	.1
360.	*	.6	.6	.5	.9	.6	.4	.5	.6	.8	.7	.6	.8	.4	.1	.1
MAX	*	.6	.6	.6	.9	.6	.6	.5	.7	1.3	1.0	.7	.9	.8	.7	.7
DEGR.	*	0	0	345	0	0	20	0	45	75	100	105	115	110	75	40

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 205 DEGREES FROM REC17.  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 75 DEGREES FROM REC29.  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 155 DEGREES FROM REC15.

S15	MD450&MD410	NB30PM			60.0321.0.0000.000360.30480000				1	1	
SE	COR		1190.	858.	5.0						
SE	82E		1218.	900.	5.0						
SE	164E		1282.	952.	5.0						
SE	256E		1361.	998.	5.0						
SE	MIDE		1519.	1066.	5.0						
SE	82S		1189.	806.	5.0						
SE	164S		1243.	737.	5.0						
SE	256S		1302.	659.	5.0						
SE	MIDS		1392.	547.	5.0						
NE	COR		1066.	988.	5.0						
NE	82N		1004.	1024.	5.0						
NE	164N		952.	1086.	5.0						
NE	256N		898.	1154.	5.0						
NE	MIDN		757.	1338.	5.0						
NE	82E		1115.	1003.	5.0						
NE	164E		1181.	1050.	5.0						
NE	256E		1255.	1089.	5.0						
NE	MIDE		1519.	1186.	5.0						
SW	COR		1069.	692.	5.0						
SW	82S		1120.	667.	5.0						
SW	164S		1172.	602.	5.0						
SW	256S		1225.	536.	5.0						
SW	MIDS		1293.	449.	5.0						
SW	82W		1013.	662.	5.0						
SW	164W		976.	589.	5.0						
SW	256W		926.	497.	5.0						
SW	MIDW		852.	357.	5.0						
NW	COR		955.	836.	5.0						
NW	82N		931.	911.	5.0						
NW	164N		879.	975.	5.0						
NW	256N		818.	1052.	5.0						
NW	MIDN		635.	1305.	5.0						
NW	82W		950.	775.	5.0						
NW	164W		903.	691.	5.0						
NW	256W		856.	596.	5.0						
NW	MIDW		761.	411.	5.0						
MD450&MD410					52	1	0				
EBL	MD450	AG	1069.	845.	958.	670.	195	3.1	0	32	32
EBL	MD450	AG	1017.	764.	961.	675.	0.	12	1		
EBT	MD450	AG	1095.	823.	995.	696.	1740	3.1	0	56	32
EBT	MD450	AG	1042.	755.	997.	698.	0.	36	3		
EBT&R	MD450	AG	995.	696.	874.	467.	2405	3.1	0	56	32
EBR	MD450	AG	1133.	691.	1074.	714.	665	3.1	0	32	32
EBR	MD450	AG	1073.	714.	995.	693.	665	3.1	0	32	32
EBALL	MD450	AG	874.	465.	608.	-42.	2600	3.1	0	56	32
EBDP	MD450	AG	2028.	1122.	1847.	1144.	2200	3.1	0	56	32
EBDP	MD450	AG	1847.	1144.	1674.	1135.	2200	3.1	0	56	32
EBDP	MD450	AG	1674.	1135.	1483.	1091.	2200	3.1	0	56	32
EBDP	MD450	AG	1483.	1091.	1261.	980.	2200	3.1	0	56	32
EBDP	MD450	AG	1261.	980.	1089.	833.	2200	3.1	0	56	32
WBLT	MD450	AG	1081.	856.	1199.	972.	280	3.1	0	44	30
WBL	MD450	AG	1124.	898.	1194.	968.	0.	24	2		
WBLT	MD450	AG	1199.	972.	1305.	1046.	280	3.1	0	44	30
W											

WBALL	MD450	AG	1445.	1129.	1629.	1179.	1800	3.1	0	56	30
1											
WBALL	MD450	AG	1629.	1179.	1806.	1194.	1800	3.1	0	56	30
1											
WBALL	MD450	AG	1806.	1194.	2009.	1175.	1800	3.1	0	56	30
1											
WBDP	MD450	AG	562.	-19.	962.	726.	2185	3.1	0	56	30
1											
WBDP	MD450	AG	962.	726.	1059.	871.	2185	3.1	0	56	30
1											
NBL	MD410	AG	1081.	839.	1454.	370.	555	3.7	0	32	50
2											
NBL	MD410	AG	1124.	785.	1226.	657.	0.	12	1		
90	67		2.0	555	32.1	1770	1	3			
1											
NBT	MD410	AG	1100.	858.	1470.	388.	775	3.7	0	44	50
2											
NBT	MD410	AG	1143.	803.	1297.	608.	0.	24	2		
90	55		2.0	775	32.1	1770	1	3			
1											
NBR	MD410	AG	1173.	903.	1162.	808.	235	3.7	0	32	50
1											
NBR	MD410	AG	1162.	808.	1264.	665.	235	3.7	0	32	50
2											
NBR	MD410	AG	1164.	805.	1223.	722.	0.	12	1		
90	54		2.0	235	32.1	1783	1	3			
1											
NBR	MD410	AG	1264.	665.	1480.	395.	265	3.7	0	32	50
1											
NBALL	MD410	AG	1471.	387.	1707.	72.	1595	3.7	0	56	50
1											
NBDP	MD410	AG	465.	1643.	672.	1384.	1135	3.7	0	44	50
1											
NBDP	MD410	AG	673.	1385.	1097.	857.	1135	3.7	0	56	50
1											
SBL	MD410	AG	1068.	841.	757.	1226.	195	3.7	0	44	50
2											
SBL	MD410	AG	1011.	911.	896.	1054.	0.	24	2		
90	78		2.0	195	32.1	1583	1	3			
1											
SBT	MD410	AG	1058.	809.	737.	1210.	1025	3.7	0	44	50
2											
SBT	MD410	AG	993.	890.	861.	1055.	0.	24	2		
90	65		2.0	1025	32.1	1770	1	3			
1											
SBR	MD410	AG	970.	742.	978.	871.	275	3.7	0	32	50
1											
SBR	MD410	AG	978.	872.	730.	1202.	275	3.7	0	32	50
2											
SBR	MD410	AG	967.	887.	898.	978.	0.	12	1		
90	65		2.0	275	32.1	1583	1	3			
1											
SBALL	MD410	AG	743.	1217.	568.	1428.	1495	3.7	0	44	50
1											
SBALL	MD410	AG	569.	1426.	423.	1608.	1495	3.7	0	56	50
1											
SBDP	MD410	AG	1658.	38.	1061.	808.	1970	3.7	0	56	50
1.0	04	1000	0Y	5	0	72					

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RUN: MD450&MD410

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
1. EBL	MD450	*	1069.0	845.0	958.0	670.0	*	207.	212. AG	195.	3.1	.0	32.0		
2. EBL	MD450	*	1017.0	764.0	835.4	475.4	*	341.	212. AG	74.	100.0	.0	12.0	1.11	17.3
3. EBL	MD450	*	958.0	670.0	859.0	473.0	*	220.	207. AG	195.	3.1	.0	32.0		
4. EBT	MD450	*	1095.0	823.0	995.0	696.0	*	162.	218. AG	1740.	3.1	.0	56.0		
5. EBT	MD450	*	1042.0	755.0	885.4	556.7	*	253.	218. AG	155.	100.0	.0	36.0	.96	12.8
6. EBT&R	MD450	*	995.0	696.0	874.0	467.0	*	259.	208. AG	2405.	3.1	.0	56.0		
7. EBR	MD450	*	1133.0	691.0	1074.0	714.0	*	63.	291. AG	665.	3.1	.0	32.0		
8. EBR	MD450	*	1073.0	714.0	995.0	693.0	*	81.	255. AG	665.	3.1	.0	32.0		
9. EBALL	MD450	*	874.0	465.0	608.0	-42.0	*	573.	208. AG	2600.	3.1	.0	56.0		
10. EBDP	MD450	*	2028.0	1122.0	1847.0	1144.0	*	182.	277. AG	2200.	3.1	.0	56.0		
11. EBDP	MD450	*	1847.0	1144.0	1674.0	1135.0	*	173.	267. AG	2200.	3.1	.0	56.0		
12. EBDP	MD450	*	1674.0	1135.0	1483.0	1091.0	*	196.	257. AG	2200.	3.1	.0	56.0		
13. EBDP	MD450	*	1483.0	1091.0	1261.0	980.0	*	248.	243. AG	2200.	3.1	.0	56.0		
14. EBDP	MD450	*	1261.0	980.0	1089.0	833.0	*	226.	229. AG	2200.	3.1	.0	56.0		
15. WBLT	MD450	*	1081.0	856.0	1199.0	972.0	*	165.	45. AG	280.	3.1	.0	44.0		
16. WBL	MD450	*	1124.0	898.0	1190.7	964.7	*	94.	45. AG	149.	100.0	.0	24.0	.92	4.8
17. WBLT	MD450	*	1199.0	972.0	1305.0	1046.0	*	129.	55. AG	280.	3.1	.0	44.0		
18. WBLT	MD450	*	1305.0	1046.0	1446.0	1109.0	*	154.	66. AG	280.	3.1	.0	44.0		
19. WBT	MD450	*	1059.0	870.0	1183.0	994.0	*	175.	45. AG	1355.	3.1	.0	56.0		
20. WBT	MD450	*	1103.0	914.0	1207.3	1018.3	*	147.	45. AG	161.	100.0	.0	36.0	.80	7.5
21. WBT	MD450	*	1183.0	994.0	1322.0	1084.0	*	166.	57. AG	1355.	3.1	.0	56.0		
22. WBT	MD450	*	1322.0	1084.0	1443.0	1129.0	*	129.	70. AG	1520.	3.1	.0	56.0		
23. WBR	MD450	*	991.0	1004.0	1055.0	961.0	*	77.	124. AG	165.	3.1	.0	32.0		
24. WBR	MD450	*	1055.0	961.0	1126.0	978.0	*	73.	77. AG	165.	3.1	.0	32.0		
25. WBR	MD450	*	1126.0	978.0	1222.0	1050.0	*	120.	53. AG	165.	3.1	.0	32.0		
26. WBR	MD450	*	1222.0	1050.0	1321.0	1085.0	*	105.	71. AG	165.	3.1	.0	32.0		
27. WBALL	MD450	*	1445.0	1129.0	1629.0	1179.0	*	191.	75. AG	1800.	3.1	.0	56.0		
28. WBALL	MD450	*	1629.0	1179.0	1806.0	1194.0	*	178.	85. AG	1800.	3.1	.0	56.0		
29. WBALL	MD450	*	1806.0	1194.0	2009.0	1175.0	*	204.	95. AG	1800.	3.1	.0	56.0		
30. WBDP	MD450	*	562.0	-19.0	962.0	726.0	*	846.	28. AG	2185.	3.1	.0	56.0		
31. WBDP	MD450	*	962.0	726.0	1059.0	871.0	*	174.	34. AG	2185.	3.1	.0	56.0		
32. NBL	MD410	*	1081.0	839.0	1454.0	370.0	*	599.	142. AG	555.	3.7	.0	32.0		
33. NBL	MD410	*	1124.0	785.0	2454.4	-884.5	*	2135.	141. AG	64.	100.0	.0	12.0	1.49	108.4
34. NBT	MD410	*	1100.0	858.0	1470.0	388.0	*	598.	142. AG	775.	3.7	.0	44.0		
35. NBT	MD410	*	1143.0	803.0	1215.1	711.7	*	116.	142. AG	105.	100.0	.0	24.0	.64	5.9
36. NBR	MD410	*	1173.0	903.0	1162.0	808.0	*	96.	187. AG	235.	3.7	.0	32.0		
37. NBR	MD410	*	1162.0	808.0	1264.0	665.0	*	176.	145. AG	235.	3.7	.0	32.0		
38. NBR	MD410	*	1164.0	805.0	1204.2	748.4	*	69.	145. AG	52.	100.0	.0	12.0	.37	3.5
39. NBR	MD410	*	1264.0	665.0	1480.0	395.0	*	346.	141. AG	265.	3.7	.0	32.0		
40. NBALL	MD410	*	1471.0	387.0	1707.0	72.0	*	394.	143. AG	1595.	3.7	.0	56.0		
41. NBDP	MD410	*	465.0	1643.0	672.0	1384.0	*	332.	141. AG	1135.	3.7	.0	44.0		
42. NBDP	MD410	*	673.0	1385.0	1097.0	857.0	*	677.	141. AG	1135.	3.7	.0	56.0		
43. SBL	MD410	*	1068.0	841.0	757.0	1226.0	*	495.	321. AG	195.	3.7	.0	44.0		
44. SBL	MD410	*	1011.0	911.0	981.9	947.2	*	46.	321. AG	149.	100.0	.0	24.0	.69	2.4

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#### LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)		(VEH)
45. SBT	MD410	*	1058.0	809.0	737.0	1210.0	*	514.	321. AG	1025.	3.7	.0	44.0		
46. SBT	MD410	*	993.0	890.0	187.6	1896.7	*	1289.	321. AG	124.	100.0	.0	24.0	1.24	65.5
47. SBR	MD410	*	970.0	742.0	978.0	871.0	*	129.	4. AG	275.	3.7	.0	32.0		
48. SBR	MD410	*	978.0	872.0	730.0	1202.0	*	413.	323. AG	275.	3.7	.0	32.0		
49. SBR	MD410	*	967.0	887.0	904.4	969.5	*	104.	323. AG	62.	100.0	.0	12.0	.75	5.3
50. SBALL	MD410	*	743.0	1217.0	568.0	1428.0	*	274.	320. AG	1495.	3.7	.0	44.0		
51. SBALL	MD410	*	569.0	1426.0	423.0	1608.0	*	233.	321. AG	1495.	3.7	.0	56.0		
52. SBDP	MD410	*	1658.0	38.0	1061.0	808.0	*	974.	322. AG	1970.	3.7	.0	56.0		

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. EBL	MD450	*	90	77	2.0	195	1770	32.10	1	3
5. EBT	MD450	*	90	54	2.0	1740	1695	32.10	1	3
16. WBL	MD450	*	90	78	2.0	280	1717	32.10	1	3
20. WBT	MD450	*	90	56	2.0	1355	1695	32.10	1	3
33. NBL	MD410	*	90	67	2.0	555	1770	32.10	1	3
35. NBT	MD410	*	90	55	2.0	775	1770	32.10	1	3

38.	NBR	MD410	*	90	54	2.0	235	1783	32.10	1	3
44.	SBL	MD410	*	90	78	2.0	195	1583	32.10	1	3
46.	SBT	MD410	*	90	65	2.0	1025	1770	32.10	1	3
49.	SBR	MD410	*	90	65	2.0	275	1583	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	1190.0	858.0	5.0	*
2. SE 82E	*	1218.0	900.0	5.0	*
3. SE 164E	*	1282.0	952.0	5.0	*
4. SE 256E	*	1361.0	998.0	5.0	*
5. SE MIDE	*	1519.0	1066.0	5.0	*
6. SE 82S	*	1189.0	806.0	5.0	*
7. SE 164S	*	1243.0	737.0	5.0	*
8. SE 256S	*	1302.0	659.0	5.0	*
9. SE MIDS	*	1392.0	547.0	5.0	*
10. NE COR	*	1066.0	988.0	5.0	*
11. NE 82N	*	1004.0	1024.0	5.0	*
12. NE 164N	*	952.0	1086.0	5.0	*
13. NE 256N	*	898.0	1154.0	5.0	*
14. NE MIDN	*	757.0	1338.0	5.0	*
15. NE 82E	*	1115.0	1003.0	5.0	*
16. NE 164E	*	1181.0	1050.0	5.0	*
17. NE 256E	*	1255.0	1089.0	5.0	*
18. NE MIDE	*	1519.0	1186.0	5.0	*
19. SW COR	*	1069.0	692.0	5.0	*
20. SW 82S	*	1120.0	667.0	5.0	*
21. SW 164S	*	1172.0	602.0	5.0	*
22. SW 256S	*	1225.0	536.0	5.0	*
23. SW MIDS	*	1293.0	449.0	5.0	*
24. SW 82W	*	1013.0	662.0	5.0	*
25. SW 164W	*	976.0	589.0	5.0	*
26. SW 256W	*	926.0	497.0	5.0	*
27. SW MIDW	*	852.0	357.0	5.0	*
28. NW COR	*	955.0	836.0	5.0	*
29. NW 82N	*	931.0	911.0	5.0	*
30. NW 164N	*	879.0	975.0	5.0	*
31. NW 256N	*	818.0	1052.0	5.0	*
32. NW MIDN	*	635.0	1305.0	5.0	*
33. NW 82W	*	950.0	775.0	5.0	*
34. NW 164W	*	903.0	691.0	5.0	*
35. NW 256W	*	856.0	596.0	5.0	*

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# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
36. NW MIDW	*	761.0	411.0	5.0	*

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RUN: MD450&MD410

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.4	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
5.	*	.4	.4	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6
10.	*	.4	.3	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
15.	*	.3	.3	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
20.	*	.2	.4	.2	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
25.	*	.2	.3	.2	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
30.	*	.2	.3	.2	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
35.	*	.2	.3	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
40.	*	.2	.2	.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4
45.	*	.2	.2	.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4
50.	*	.1	.2	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
55.	*	.1	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
60.	*	.0	.1	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.4	.4
65.	*	.0	.1	.1	.3	.3	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.1	.0	.4	.4
70.	*	.0	.0	.1	.2	.3	.0	.0	.0	.0	.1	.0	.0	.0	.3	.1	.1	.1	.4	.3
75.	*	.0	.0	.1	.1	.3	.0	.0	.0	.0	.3	.0	.0	.0	.4	.1	.1	.1	.4	.3
80.	*	.0	.0	.0	.1	.2	.0	.0	.0	.0	.3	.0	.0	.0	.4	.2	.2	.2	.5	.3
85.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.3	.1	.0	.0	.4	.2	.3	.2	.4	.3
90.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.4	.1	.0	.0	.5	.2	.3	.2	.4	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.6	.2	.3	.4	.4	.3

100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.6	.2	.3	.4	.3	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.5	.2	.2	.5	.3	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.6	.2	.2	.4	.3	.4
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.6	.2	.2	.3	.3	.4
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.3	.2	.3	.3	.4
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.3	.2	.3	.3	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.2	.2	.1	.7	.3	.2	.3	.3	.4
135.	*	.0	.0	.0	.0	.0	.0	.1	.0	.5	.4	.2	.2	.1	.7	.3	.2	.3	.3	.4	
140.	*	.0	.0	.0	.0	.0	.2	.2	.1	.2	.6	.5	.4	.1	.1	.7	.4	.2	.3	.2	.3
145.	*	.1	.0	.0	.0	.3	.3	.3	.3	.7	.4	.4	.3	.2	.8	.4	.2	.3	.1	.3	
150.	*	.2	.1	.0	.0	.4	.3	.3	.4	.6	.3	.4	.4	.3	.9	.5	.2	.3	.1	.1	
155.	*	.3	.2	.0	.0	.5	.3	.3	.4	.6	.4	.3	.4	.4	.9	.5	.2	.3	.0	.1	
160.	*	.4	.2	.0	.0	.5	.3	.3	.4	.5	.3	.5	.3	.4	.9	.6	.2	.3	.0	.0	
165.	*	.4	.2	.1	.0	.6	.3	.3	.3	.5	.5	.4	.4	.5	.8	.7	.2	.3	.0	.0	
170.	*	.4	.2	.1	.0	.6	.3	.3	.3	.6	.5	.5	.5	.7	.8	.2	.3	.0	.0	.0	
175.	*	.4	.2	.1	.0	.6	.3	.3	.3	.3	.5	.5	.6	.4	.7	.9	.3	.3	.0	.0	
180.	*	.5	.3	.1	.0	.6	.3	.3	.3	.5	.7	.5	.5	.3	.6	.9	.3	.3	.0	.0	
185.	*	.5	.3	.1	.0	.6	.3	.3	.3	.3	.6	.6	.5	.3	.6	.8	.3	.3	.0	.0	
190.	*	.5	.2	.1	.0	.6	.3	.3	.3	.3	.6	.5	.4	.4	.6	.9	.3	.3	.0	.0	
195.	*	.4	.2	.1	.0	.6	.3	.3	.3	.4	.6	.5	.4	.4	.7	.4	.4	.0	.0	.0	
200.	*	.4	.2	.1	.0	.6	.3	.3	.3	.4	.6	.4	.4	.4	.8	.4	.4	.0	.0	.0	
205.	*	.4	.2	.1	.0	.6	.3	.3	.3	.4	.5	.4	.4	.3	.6	.7	.5	.4	.1	.0	

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JOB: S15 MD450&MD410 NB30PM

RUN: MD450&MD410

PAGE 6

WIND	* CONCENTRATION																				
ANGLE	(PPM)																				
(DEGR)	* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	*	.4	.3	.2	.0	.0	.6	.3	.3	.3	.5	.3	.4	.3	.5	.7	.6	.3	.3	.0	
215.	*	.5	.5	.3	.0	.0	.6	.4	.3	.3	.4	.3	.3	.3	.4	.6	.7	.3	.3	.1	
220.	*	.6	.4	.3	.0	.0	.8	.4	.3	.3	.3	.3	.3	.3	.1	.4	.7	.3	.4	.2	
225.	*	.7	.4	.3	.2	.0	.9	.4	.3	.3	.3	.3	.3	.3	.1	.2	.5	.3	.4	.2	
230.	*	.6	.5	.3	.3	.0	.9	.5	.3	.3	.3	.3	.4	.3	.3	.1	.3	.3	.5	.3	
235.	*	.4	.5	.3	.3	.1	1.1	.5	.3	.3	.3	.4	.4	.3	.3	.1	.1	.3	.6	.3	
240.	*	.5	.4	.3	.3	.1	1.1	.8	.3	.3	.3	.3	.3	.3	.3	.1	.1	.3	.6	.3	
245.	*	.5	.3	.4	.5	.1	.9	.8	.3	.3	.3	.3	.3	.3	.3	.1	.2	.2	.6	.3	
250.	*	.4	.3	.5	.5	.3	.7	.8	.3	.3	.3	.3	.3	.3	.2	.1	.1	.2	.6	.4	
255.	*	.2	.4	.5	.5	.3	.8	.6	.4	.3	.2	.4	.4	.3	.2	.1	.1	.1	.6	.5	
260.	*	.2	.3	.5	.5	.3	.7	.6	.4	.3	.2	.4	.4	.4	.2	.1	.1	.0	.6	.5	
265.	*	.3	.5	.7	.6	.3	.6	.6	.4	.3	.2	.4	.4	.4	.2	.1	.1	.0	.7	.5	
270.	*	.3	.7	.7	.4	.3	.6	.6	.4	.3	.2	.4	.4	.4	.2	.1	.1	.0	.8	.5	
275.	*	.3	.8	.7	.5	.4	.5	.6	.4	.3	.3	.4	.4	.4	.2	.1	.1	.0	.8	.5	
280.	*	.4	.8	.6	.5	.5	.4	.6	.4	.4	.3	.5	.5	.4	.2	.1	.1	.0	.8	.5	
285.	*	.4	.9	.6	.5	.5	.3	.6	.4	.4	.3	.5	.5	.4	.2	.1	.1	.0	.7	.3	
290.	*	.6	.9	.6	.4	.4	.5	.6	.5	.4	.3	.5	.5	.4	.2	.1	.1	.0	.7	.3	
295.	*	.7	.9	.5	.4	.3	.5	.6	.4	.4	.3	.5	.4	.5	.2	.1	.1	.0	.7	.3	
300.	*	.7	.9	.5	.4	.2	.5	.5	.5	.3	.3	.4	.4	.5	.4	.2	.1	.1	.0	.7	.4
305.	*	.7	.9	.5	.4	.2	.5	.4	.5	.4	.3	.4	.4	.5	.4	.2	.1	.1	.0	.7	.3
310.	*	.7	.8	.5	.3	.3	.4	.5	.3	.4	.2	.4	.4	.5	.3	.1	.1	.0	.8	.4	
315.	*	.9	.8	.4	.3	.4	.4	.6	.3	.4	.2	.4	.4	.3	.3	.1	.0	.0	.8	.4	
320.	*	.9	.8	.4	.3	.3	.5	.5	.3	.2	.2	.3	.3	.2	.3	.1	.0	.0	.6	.6	
325.	*	.8	.7	.3	.2	.3	.5	.4	.2	.1	.1	.2	.2	.2	.2	.0	.0	.0	.8	.7	
330.	*	.7	.5	.3	.2	.3	.3	.3	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.8	.7	
335.	*	.7	.5	.3	.2	.3	.3	.3	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.8	.8	
340.	*	.7	.5	.3	.2	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6	
345.	*	.7	.5	.3	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.4	
350.	*	.6	.4	.3	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.3	
355.	*	.5	.4	.3	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	
360.	*	.5	.4	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	
MAX	*	.9	.9	.7	.6	.5	1.1	.8	.5	.4	.7	.7	.6	.6	.5	.9	.9	.7	.5	.8	.8
DEGR.	*	315	285	265	265	280	235	240	290	150	145	180	185	175	165	150	175	215	105	270	335

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JOB: S15 MD450&MD410 NB30PM

RUN: MD450&MD410

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION																
ANGLE	(PPM)																
(DEGR)	* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36																
0.	*	.5	.4	.4	.9	.9	.9	.8	.5	.7	.5	.5	.8	.2	.1	.1	.1
5.	*	.4	.3	.3	1.0	.7	.8	.7	.6	.7	.5	.5	.7	.2	.1	.1	.2
10.	*	.4	.3	.3	.9	.8	.8	.7	.6	.7	.5	.5	.7	.2	.1	.1	.1
15.	*	.4	.3	.3	.9	.8	.8	.6	.5	.7	.5	.5	.6	.3	.1	.2	.1
20.	*	.4	.3	.3	.9	.6	.6	.6	.5	.7	.5	.5	.6	.3	.1	.1	.3
25.	*	.3	.3	.3	.7	.4	.4	.6	.4	.7	.5	.5	.6	.2	.1	.1	.4
30.	*	.3	.3	.3	.7	.3	.3	.3	.4	.7	.5	.5	.6	.2	.2	.4	.6
35.	*	.3	.3	.3	.5	.3	.2	.3	.4	.7	.5	.5	.7	.2	.3	.4	.6
40.	*	.3	.3	.3	.4	.3	.2	.1	.5	.7	.5	.5	.7	.3	.3	.6	.6
45.	*	.3	.3	.3	.2	.1	.1	.1	.5	.8	.5	.5	.7	.3	.3	.7	.6
50.	*	.3	.3	.3	.2	.1	.0	.0	.3	.8	.5	.5	.7	.5	.5	.8	.6
55.	*	.3	.3	.3	.2	.1	.1	.0	.5	.8	.5	.5	.7	.5	.5	.8	.7

60.	*	.3	.3	.3	.2	.1	.1	.0	.6	.9	.5	.5	.7	.4	.6	.8	.5
65.	*	.3	.3	.3	.2	.1	.0	.0	.6	1.0	.5	.5	.7	.3	.8	.8	.5
70.	*	.3	.3	.3	.2	.1	.0	.0	.5	1.0	.5	.5	.7	.4	.8	.8	.5
75.	*	.3	.3	.3	.1	.1	.1	.0	.5	1.1	.5	.5	.7	.4	.7	.9	.3
80.	*	.3	.3	.3	.1	.1	.1	.0	.3	1.1	.6	.5	.7	.4	.8	.9	.3
85.	*	.3	.3	.3	.1	.1	.1	.0	.3	1.1	.6	.5	.7	.4	.9	.9	.3
90.	*	.3	.3	.3	.1	.1	.1	.0	.3	1.1	.7	.5	.7	.6	.8	.8	.3
95.	*	.3	.3	.3	.1	.1	.1	.0	.2	1.0	.7	.5	.7	.6	.8	.8	.3
100.	*	.3	.3	.3	.1	.1	.1	.0	.3	.8	.8	.6	.8	.5	.8	.8	.3
105.	*	.3	.4	.4	.2	.1	.1	.0	.3	.7	.8	.6	.8	.6	.8	.8	.3
110.	*	.4	.4	.4	.2	.1	.1	.0	.4	.5	.7	.6	.8	.8	.8	.8	.3
115.	*	.4	.4	.5	.2	.1	.0	.0	.4	.5	.6	.5	.8	.8	.8	.8	.3
120.	*	.4	.4	.5	.2	.1	.0	.0	.4	.5	.6	.5	.8	.8	.8	.7	.3
125.	*	.4	.4	.5	.2	.1	.0	.0	.6	.6	.6	.4	.9	.8	.8	.7	.3
130.	*	.4	.4	.5	.2	.0	.0	.0	.6	.5	.6	.5	.9	.8	.8	.7	.3
135.	*	.4	.4	.5	.1	.0	.0	.0	.5	.5	.6	.5	.9	.8	.7	.6	.4
140.	*	.3	.3	.3	.0	.0	.0	.0	.5	.5	.6	.4	.6	.7	.7	.6	.3
145.	*	.3	.3	.2	.0	.0	.0	.0	.4	.5	.3	.5	.6	.7	.7	.6	.4
150.	*	.1	.1	.1	.0	.0	.0	.0	.6	.3	.3	.2	.3	.7	.7	.5	.4
155.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.1	.1	.2	.6	.7	.5	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.1	.6	.7	.5	.4
165.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.1	.6	.6	.5	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.6	.6	.6	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.6	.7	.6	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.1	.0	.7	.7	.6	.5
185.	*	.0	.0	.0	.0	.0	.0	.1	.6	.3	.1	.0	.0	.7	.8	.5	.5
190.	*	.0	.0	.0	.1	.0	.1	.1	.4	.2	.1	.0	.0	.8	.7	.5	.5
195.	*	.0	.0	.0	.1	.2	.1	.1	.5	.1	.1	.0	.0	.8	.7	.5	.4
200.	*	.0	.0	.0	.2	.2	.1	.2	.3	.1	.0	.0	.0	.6	.6	.4	.4
205.	*	.0	.0	.0	.4	.3	.4	.3	.2	.1	.0	.0	.0	.5	.4	.4	.4

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JOB: S15 MD450&MD410 NB30PM

RUN: MD450&MD410

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.5	.4	.4	.4	.1	.0	.0	.0	.3	.3	.3	.4	
215.	*	.0	.0	.0	.6	.4	.4	.5	.1	.0	.0	.0	.1	.1	.2	.2	
220.	*	.0	.0	.0	.8	.4	.4	.5	.0	.0	.0	.0	.1	.1	.1	.1	
225.	*	.1	.0	.0	.9	.5	.4	.5	.0	.0	.0	.0	.1	.1	.1	.1	
230.	*	.1	.0	.0	.9	.7	.4	.5	.0	.0	.0	.0	.0	.0	.1	.1	
235.	*	.2	.1	.0	1.0	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	
240.	*	.2	.1	.0	.9	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
245.	*	.1	.1	.0	1.0	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
250.	*	.1	.0	.0	1.0	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
255.	*	.2	.0	.0	1.0	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
260.	*	.3	.0	.0	.9	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
265.	*	.3	.0	.0	.8	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
270.	*	.3	.0	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	
275.	*	.3	.1	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	
280.	*	.2	.1	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	
285.	*	.2	.1	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	
290.	*	.1	.1	.1	.8	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
295.	*	.1	.1	.1	.8	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
300.	*	.1	.1	.1	.8	.7	.4	.4	.0	.0	.0	.1	.0	.0	.0	.0	
305.	*	.1	.1	.1	.8	.7	.4	.4	.0	.1	.1	.1	.0	.0	.0	.0	
310.	*	.2	.2	.2	.8	.7	.4	.3	.1	.1	.1	.3	.0	.0	.0	.0	
315.	*	.3	.3	.3	.8	.7	.5	.3	.1	.2	.2	.5	.1	.0	.0	.0	
320.	*	.3	.3	.3	1.0	.7	.5	.3	.2	.6	.4	.3	.6	.1	.0	.0	
325.	*	.3	.3	.3	1.1	.8	.5	.3	.2	.6	.4	.5	.8	.1	.1	.0	
330.	*	.3	.3	.4	.9	.8	.6	.4	.3	.7	.6	.6	.8	.2	.1	.0	
335.	*	.3	.4	.4	.9	.8	.7	.4	.5	.8	.7	.6	1.0	.2	.1	.1	
340.	*	.3	.4	.4	.9	.8	.8	.4	.6	.9	.7	.6	1.0	.2	.1	.1	
345.	*	.3	.5	.4	.9	.8	.8	.5	.5	.9	.7	.6	.8	.3	.1	.1	
350.	*	.6	.5	.4	.9	.9	.9	.5	.5	.9	.6	.6	.8	.3	.1	.1	
355.	*	.5	.5	.4	.9	.9	.9	.6	.5	.8	.5	.5	.8	.3	.1	.1	
360.	*	.5	.4	.4	.9	.9	.9	.8	.5	.7	.5	.5	.8	.2	.1	.1	
MAX	*	.6	.5	.5	1.1	.9	.9	.8	.6	1.1	.8	.6	1.0	.8	.9	.7	
DEGR.	*	350	345	115	325	0	0	0	5	75	100	100	335	110	85	75	55

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 235 DEGREES FROM REC6 .

THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 325 DEGREES FROM REC24.

THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 75 DEGREES FROM REC29.



S15 450&410 LBRT 2030AM			60.0321.0.0000.000360.30450000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345222.	468114.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344912.	468132.	5.		
NE 82N	344861.	468167.	5.		
NE 164N	344808.	468234.	5.		
NE 256N	344755.	468300.	5.		
NE MIDN	344597.	468503.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344521.	468396.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 LBRT 2030AM			53 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	280 3.0 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
100	84	2.0 280 32.1 1770 1 3			
1					
EBT	MD450	AG344936.467959.344859.467847.	670 3.0 0. 56	29	
2					
EBT	MD450	AG344897.467902.344860.467850.	0. 36 3		
100	66	2.0 670 32.1 1695 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	455 3.0 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	455 3.0 0. 32	29	
1					
EBALL	MD450	AG344853.467847.344433.467130.	1405 3.0 0. 56	29	
1					
EBDP	MD450	AG345880.468271.345659.468292.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345659.468292.345450.468269.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345450.468269.345248.468198.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345248.468198.345050.468067.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345050.468067.344940.467962.	1290 3.0 0. 56	29	
1					
WBL	MD450	AG344933.467991.345099.468146.	470 3.2 0. 32	26	
2					
WBL	MD450	AG344984.468039.345061.468111.	0. 12 1		
100	78	2.0 470 32.1 1717 1 3			
1					
WBT	MD450	AG344906.468011.345078.468163.	2090 3.2 0. 68	26	
2					
WBT	MD450	AG344962.468061.345064.468150.	0. 48 4		
100	60	2.0 2090 32.1 1695 1 3			
1					
WBR	MD450	AG344908.468064.345062.468182.	135 3.2 0. 32	26	
1					
WBALL	MD450	AG345085.468164.345289.468271.	2695 3.2 0. 68	26	
1					
WBALL	MD450	AG345289.468271.345444.468318.	2695 3.2 0. 56	26	
1					
WBALL	MD450	AG345444.468318.345625.468339.	2695 3.2 0. 56	26	
1					
WBALL	MD450	AG345625.468339.345867.468318.	2695 3.2 0. 56	26	
1					
WBDP	MD450	AG344373.467163.344906.468011.	3110 3.2 0. 56	26	
1					
NBL	MD410	AG344961.467949.345300.467536.	770 3.7 0. 32	50	
2					
NBL	MD410	AG344986.467918.345091.467791.	0. 12 1		
100	69	2.0 770 32.1 1770 1 3			
1					
NBT&R	MD410	AG344988.467962.345313.467550.	1505 3.7 0. 56	50	
2					
NBT&R	MD410	AG345012.467931.345167.467735.	0. 36 3		

	1	100	61	2.0	1505	32.1	1707	1	3											
NBR	1																			
NBALL	1	MD410	AG345008.	468019.	345024.	467924.				440	3.7	0.	32			50				
NBDP	1	MD410	AG345315.	467550.	345562.	467240.				2275	3.7	0.	56			50				
SBL	1	MD410	AG344311.	468796.	344979.	467973.				1480	3.7	0.	56			50				
SBL	2	MD410	AG344905.	467981.	344649.	468306.				180	3.7	0.	32			50				
SBL	1	MD410	AG344837.	468070.	344751.	468176.				0.	12	1								
SBT&R	2	MD410	AG344852.	468017.	344635.	468293.				995	3.7	0.	56			50				
SBL	1	MD410	AG344811.	468069.	344714.	468193.				0.	36	3								
SBR	1	MD410	AG344847.	467922.	344823.	468048.				250	3.7	0.	32			50				
SBALL	1	MD410	AG344634.	468298.	344269.	468762.				1175	3.7	0.	56			50				
SBDP	1	MD410	AG345509.	467198.	344859.	468008.				1670	3.7	0.	56			50				
EBDP	1	450BUS	AG345890.	468237.	345738.	468265.				34	0.4	0.	32			26				
EBDP	1	450BUS	AG345738.	468265.	345600.	468265.				34	0.4	0.	32			26				
EBDP	1	450BUS	AG345600.	468265.	345403.	468232.				34	0.4	0.	32			26				
EBDP	1	450BUS	AG345403.	468232.	345214.	468151.				34	0.4	0.	32			26				
EBDP	1	450BUS	AG345216.	468151.	345047.	468031.				34	0.4	0.	32			26				
EBDP	1	450BUS	AG345047.	468031.	344977.	467972.				34	0.4	0.	32			26				
EBDP	1	450BUS	AG344977.	467972.	344938.	467972.				34	0.4	0.	32			26				
SBL	2	410BUS	AG344937.	467971.	344283.	468778.				34	0.3	0.	32			50				
SBL	1	410BUS	AG344872.	468056.	344745.	468208.				0.	12	1								
NBDP	1	410BUS	AG344293.	468782.	344842.	468099.				34	0.3	0.	32			50				
NBDP	1	410BUS	AG344843.	468098.	344881.	468078.				34	0.3	0.	32			26				
NBDP	1	410BUS	AG344881.	468078.	344924.	468089.				34	0.3	0.	32			26				
WBR	1	410BUS	AG344926.	468090.	345062.	468199.				34	0.5	0.	32			26				
WBR	1	410BUS	AG345062.	468199.	345285.	468305.				34	0.5	0.	32			26				
WBR	1	410BUS	AG345285.	468305.	345515.	468355.				34	0.5	0.	32			26				
WBR	1	410BUS	AG345515.	468355.	345673.	468365.				34	0.5	0.	32			26				
WBR	1.0	04 1000 OY	AG345675.	468365.	345855.	468350.				34	0.5	0.	32			26				



26.	NBT&R	MD410	*	100	61	2.0	1505	1707	32.10	1	3
31.	SBL	MD410	*	100	89	2.0	180	1583	32.10	1	3
33.	SBT&R	MD410	*	100	79	2.0	995	1707	32.10	1	3
45.	SBL	410BUS	*	100	89	2.0	34	1583	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	344706.4	467517.4	5.0	*
2. SE 82S	*	344723.4	467468.5	5.0	*
3. SE 164S	*	344772.3	467400.6	5.0	*
4. SE 256S	*	344824.3	467329.6	5.0	*
5. SE MIDS	*	344958.1	467174.7	5.0	*
6. SE 82E	*	344744.4	467567.4	5.0	*
7. SE 164E	*	344811.3	467619.3	5.0	*
8. SE 256E	*	344882.2	467653.3	5.0	*
9. SE MIDE	*	345044.1	467724.2	5.0	*
10. NE COR	*	344572.5	467671.3	5.0	*
11. NE 82N	*	344521.6	467706.2	5.0	*
12. NE 164N	*	344468.6	467773.2	5.0	*
13. NE 256N	*	344415.7	467839.1	5.0	*
14. NE MIDN	*	344257.8	468041.9	5.0	*
15. NE 82E	*	344621.5	467686.2	5.0	*
16. NE 164E	*	344692.4	467742.2	5.0	*
17. NE 256E	*	344758.3	467782.2	5.0	*
18. NE MIDE	*	344938.2	467866.1	5.0	*
19. SW COR	*	344606.5	467375.5	5.0	*
20. SW 82S	*	344646.5	467345.6	5.0	*
21. SW 164S	*	344687.4	467295.6	5.0	*
22. SW 256S	*	344739.4	467227.7	5.0	*
23. SW MIDS	*	344854.3	467076.8	5.0	*
24. SW 82W	*	344531.6	467338.6	5.0	*
25. SW 164W	*	344499.6	467280.6	5.0	*
26. SW 256W	*	344455.7	467207.7	5.0	*
27. SW MIDW	*	344356.8	467021.9	5.0	*
28. NW COR	*	344478.6	467510.4	5.0	*
29. NW 82N	*	344438.7	467603.4	5.0	*
30. NW 164N	*	344373.7	467687.3	5.0	*
31. NW 256N	*	344303.8	467779.2	5.0	*
32. NW MIDN	*	344181.9	467935.0	5.0	*
33. NW 82W	*	344461.6	467440.5	5.0	*
34. NW 164W	*	344424.7	467370.6	5.0	*
35. NW 256W	*	344372.7	467291.6	5.0	*
36. NW MIDW	*	344234.9	467103.8	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.3	.1	.0	.0	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
5.	*	.4	.2	.1	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
10.	*	.4	.3	.0	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
15.	*	.5	.3	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
20.	*	.4	.3	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.8
25.	*	.4	.2	.0	.0	.0	.4	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0	.1	.6	.8
30.	*	.4	.2	.0	.0	.0	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.1	.6	.7
35.	*	.3	.1	.0	.0	.0	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7
40.	*	.3	.1	.0	.0	.0	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.2	.5	.6
45.	*	.1	.0	.0	.0	.0	.3	.3	.3	.1	.0	.0	.0	.0	.0	.1	.1	.3	.6	.6
50.	*	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1	.0	.0	.0	.0	.1	.1	.4	.6	.6
55.	*	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	.3	.1	.1	.4	.6
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.1	.0	.0	.0	.3	.2	.1	.4	.6
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.0	.4	.2	.1	.4	.6
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.5	.2	.3	.4	.6
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.0	.0	.0	.6	.3	.3	.6	.6
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.6	.4	.3	.5	.6
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.7	.4	.4	.5	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.7	.5	.3	.5	.6
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.8	.5	.3	.6	.5
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.7	.5	.3	.6	.5
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.7	.6	.3	.4	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.6	.3	.4	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.5	.3	.4	.5
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.6	.6	.3	.4	.5
125.	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	.4	.3	.2	.0	.6	.7	.3	.4	.5
130.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.4	.3	.3	.2	.1	.6	.8	.3	.5	.3
135.	*	.0	.3	.2	.2	.2	.0	.0	.0	.0	.4	.4	.3	.2	.1	.6	.8	.4	.5	.3
140.	*	.3	.3	.2	.4	.2	.0	.0	.0	.0	.6	.8	.6	.3	.2	.6	.6	.4	.5	.3
145.	*	.3	.6	.6	.5	.3	.1	.0	.0	.0	.8	.8	.6	.3	.3	.8	.6	.4	.5	.1
150.	*	.5	.6	.5	.5	.4	.1	.0	.0	.0	.7	.7	.4	.3	.5	1.0	.6	.5	.5	.1



115.	*	.5	.5	.5	.2	.1	.0	.0	.7	.6	1.2	1.3	1.3	1.0	.6	.5	.5
120.	*	.5	.6	.5	.2	.1	.0	.0	.8	.6	1.1	1.3	1.4	.8	.6	.5	.5
125.	*	.5	.5	.5	.2	.1	.0	.0	.8	.6	1.2	1.2	1.4	.8	.6	.5	.5
130.	*	.5	.5	.5	.2	.0	.0	.0	.8	.7	.9	1.2	1.2	.8	.5	.5	.5
135.	*	.4	.5	.4	.1	.0	.0	.0	.6	.7	.8	1.0	1.2	.8	.5	.5	.5
140.	*	.4	.4	.3	.0	.0	.0	.0	.6	.5	.7	.9	.8	.7	.5	.5	.5
145.	*	.4	.3	.2	.0	.0	.0	.0	.6	.4	.5	.7	.7	.6	.5	.5	.5
150.	*	.2	.2	.1	.0	.0	.0	.0	.6	.3	.4	.5	.5	.6	.5	.5	.5
155.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.3	.4	.3	.6	.5	.5	.5
160.	*	.1	.1	.0	.0	.0	.0	.0	.4	.2	.1	.3	.1	.5	.6	.5	.5
165.	*	.1	.1	.0	.0	.0	.0	.0	.5	.2	.1	.2	.1	.5	.6	.6	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.6	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.1	.0	.6	.6	.6	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.1	.0	.6	.7	.6	.5
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.7	.7	.5
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.7	.7	.7	.5
195.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.7	.7	.7	.5
200.	*	.0	.0	.0	.1	.0	.0	.0	.5	.1	.1	.0	.0	.7	.8	.7	.4
205.	*	.0	.0	.0	.2	.1	.1	.0	.5	.1	.0	.0	.0	.7	.8	.7	.4

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.3	.3	.1	.3	.1	.0	.0	.0	.6	.7	.6	.2
215.	*	.0	.0	.0	.3	.3	.3	.2	.2	.0	.0	.0	.0	.5	.6	.5	.2
220.	*	.0	.0	.0	.5	.4	.4	.3	.1	.0	.0	.0	.0	.3	.4	.3	.1
225.	*	.0	.0	.0	.5	.5	.5	.3	.1	.0	.0	.0	.0	.2	.3	.2	.1
230.	*	.1	.0	.0	.5	.5	.5	.3	.0	.0	.0	.0	.0	.1	.2	.2	.0
235.	*	.1	.0	.0	.5	.5	.5	.3	.0	.0	.0	.0	.0	.1	.1	.1	.0
240.	*	.1	.1	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.1	.1	.1	.0
245.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.1	.1	.0
250.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0
255.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0
260.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.2	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.3	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.3	.2	.0	.4	.4	.4	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0
305.	*	.3	.2	.1	.4	.4	.4	.3	.0	.1	.1	.1	.2	.0	.0	.0	.0
310.	*	.4	.4	.1	.5	.4	.4	.3	.1	.3	.3	.3	.3	.0	.0	.0	.0
315.	*	.5	.4	.2	.5	.4	.4	.3	.2	.6	.6	.6	.5	.0	.0	.0	.0
320.	*	.5	.4	.3	.6	.4	.4	.3	.3	.7	.8	.8	.7	.1	.0	.0	.0
325.	*	.6	.5	.3	.7	.5	.4	.3	.5	1.0	1.0	1.1	.8	.1	.1	.0	.0
330.	*	.6	.5	.5	.8	.5	.5	.3	.7	1.2	1.2	1.2	1.0	.3	.1	.0	.0
335.	*	.5	.6	.6	.9	.5	.5	.3	.7	1.2	1.2	1.2	1.1	.3	.1	.1	.0
340.	*	.5	.5	.6	1.1	.6	.5	.4	.7	1.3	1.2	1.4	1.3	.5	.2	.1	.0
345.	*	.6	.7	.6	1.0	.5	.5	.5	.7	1.2	1.1	1.3	1.3	.5	.3	.1	.0
350.	*	.6	.8	.5	.9	.6	.5	.5	.6	1.2	1.1	1.2	1.3	.5	.4	.1	.1
355.	*	.7	.8	.4	.8	.6	.5	.5	.5	1.1	1.1	1.2	1.2	.5	.3	.2	.1
360.	*	.7	.7	.4	.9	.6	.5	.5	.5	1.0	1.0	1.2	1.1	.5	.3	.2	.1

MAX	*	.7	.8	.6	1.1	.7	.5	.5	.8	1.3	1.2	1.4	1.4	1.0	1.0	.9	.6
DEGR.	*	355	350	335	340	15	0	0	65	340	100	340	120	110	50	45	50

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 120 DEGREES FROM REC32.

THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 340 DEGREES FROM REC31.

THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 340 DEGREES FROM REC29.

S15 450&410 LBRT 2030PM			60.0321.0.0000.000360.30450000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345222.	468114.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344912.	468132.	5.		
NE 82N	344861.	468167.	5.		
NE 164N	344808.	468234.	5.		
NE 256N	344755.	468300.	5.		
NE MIDN	344597.	468503.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344521.	468396.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 LBRT 2030PM			53 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	195 3.2 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
90	77	2.0 195 32.1 1770 1 3			
1					
EBT	MD450	AG344936.467959.344859.467847.	1740 3.2 0. 56	29	
2					
EBT	MD450	AG344897.467902.344860.467850.	0. 36 3		
90	54	2.0 1740 32.1 1695 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	665 3.2 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	665 3.2 0. 32	29	
1					
EBALL	MD450	AG344853.467847.344433.467130.	2600 3.2 0. 56	29	
1					
EBDP	MD450	AG345880.468271.345659.468292.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345659.468292.345450.468269.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345450.468269.345248.468198.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345248.468198.345050.468067.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345050.468067.344940.467962.	2200 3.2 0. 56	29	
1					
WBL	MD450	AG344933.467991.345099.468146.	280 3.1 0. 32	26	
2					
WBL	MD450	AG344984.468039.345061.468111.	0. 12 1		
90	78	2.0 280 32.1 1717 1 3			
1					
WBT	MD450	AG344906.468011.345078.468163.	1355 3.1 0. 68	26	
2					
WBT	MD450	AG344962.468061.345064.468150.	0. 48 4		
90	56	2.0 1355 32.1 1695 1 3			
1					
WBR	MD450	AG344908.468064.345062.468182.	165 3.1 0. 32	26	
1					
WBALL	MD450	AG345085.468164.345289.468271.	1800 3.1 0. 68	26	
1					
WBALL	MD450	AG345289.468271.345444.468318.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345444.468318.345625.468339.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345625.468339.345867.468318.	1800 3.1 0. 56	26	
1					
WBDP	MD450	AG344373.467163.344906.468011.	3110 3.1 0. 56	26	
1					
NBL	MD410	AG344961.467949.345300.467536.	770 3.7 0. 32	50	
2					
NBL	MD410	AG344986.467918.345091.467791.	0. 12 1		
90	67	2.0 770 32.1 1770 1 3			
1					
NBT&R	MD410	AG344988.467962.345313.467550.	1505 3.7 0. 56	50	
2					
NBT&R	MD410	AG345012.467931.345167.467735.	0. 36 3		

	90	55	2.0 1505	32.1 1707 1 3						
NBR 1	MD410	AG345008.468019.	345024.467924.		440	3.7	0.	32	50	
NBALL 1	MD410	AG345315.467550.	345562.467240.		2275	3.7	0.	56	50	
NBDP 1	MD410	AG344311.468796.	344979.467973.		2185	3.7	0.	56	50	
SBL 2	MD410	AG344905.467981.	344649.468306.		195	3.7	0.	32	50	
SBL 1	MD410	AG344837.468070.	344751.468176.		0.	12	1			
	90	78	2.0 195	32.1 1583 1 3						
SET&R 2	MD410	AG344852.468017.	344635.468293.		1300	3.7	0.	56	50	
SET&R 1	MD410	AG344811.468069.	344714.468193.		0.	36	3			
	90	65	2.0 1300	32.1 1707 1 3						
SBR 1	MD410	AG344847.467922.	344823.468048.		275	3.7	0.	32	50	
SBALL 1	MD410	AG344634.468298.	344269.468762.		1575	3.7	0.	56	50	
SBDP 1	MD410	AG345509.467198.	344859.468008.		1970	3.7	0.	56	50	
EBDP 1	450BUS	AG345890.468237.	345738.468265.		34	0.5	0.	32	26	
EBDP 1	450BUS	AG345738.468265.	345600.468265.		34	0.5	0.	32	26	
EBDP 1	450BUS	AG345600.468265.	345403.468232.		34	0.5	0.	32	26	
EBDP 1	450BUS	AG345403.468232.	345214.468151.		34	0.5	0.	32	26	
EBDP 1	450BUS	AG345216.468151.	345047.468031.		34	0.5	0.	32	26	
EBDP 1	450BUS	AG345047.468031.	344977.467972.		34	0.5	0.	32	26	
EBDP 1	450BUS	AG344977.467972.	344938.467972.		34	0.5	0.	32	26	
SBL 2	410BUS	AG344937.467971.	344283.468778.		34	0.3	0.	32	50	
SBL 1	410BUS	AG344872.468056.	344745.468208.		0.	12	1			
	90	78	2.0 34	4.4 1583 1 3						
NBDP 1	410BUS	AG344293.468782.	344842.468099.		34	0.3	0.	32	50	
NBDP 1	410BUS	AG344843.468098.	344881.468078.		34	0.3	0.	32	26	
NBDP 1	410BUS	AG344881.468078.	344924.468089.		34	0.3	0.	32	26	
WBR 1	410BUS	AG344926.468090.	345062.468199.		34	0.5	0.	32	26	
WBR 1	410BUS	AG345062.468199.	345285.468305.		34	0.5	0.	32	26	
WBR 1	410BUS	AG345285.468305.	345515.468355.		34	0.5	0.	32	26	
WBR 1	410BUS	AG345515.468355.	345673.468365.		34	0.5	0.	32	26	
WBR 1.0	410BUS	AG345675.468365.	345855.468350.		34	0.5	0.	32	26	
	04	1000	0Y 5 0 72							



JOB: S15 450&410 LBRT 2030PM  
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RUN: S15 450&410 LBRT 2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. EBL	MD450	* 344576.5	467509.4	344503.6	467394.6	*	136.	212. AG	195.	3.2	.0	32.0		
2. EBL	MD450	* 344542.6	467456.5	344362.9	467166.7	*	341.	212. AG	74.	100.0	.0	12.0	1.11	17.3
3. EBT	MD450	* 344596.5	467498.4	344519.6	467386.6	*	136.	215. AG	1740.	3.2	.0	55.9		
4. EBT	MD450	* 344557.6	467441.5	344411.1	467235.6	*	253.	215. AG	155.	100.0	.0	36.0	.96	12.8
5. EBR	MD450	* 344645.5	467381.5	344595.5	467398.6	*	53.	289. AG	665.	3.2	.0	32.0		
6. EBR	MD450	* 344595.5	467398.6	344539.6	467380.6	*	59.	252. AG	665.	3.2	.0	32.0		
7. EBALL	MD450	* 344513.6	467386.6	344094.0	466670.3	*	830.	210. AG	2600.	3.2	.0	55.9		
8. EBDP	MD450	* 345539.6	467810.1	345318.8	467831.1	*	222.	275. AG	2200.	3.2	.0	55.9		
9. EBDP	MD450	* 345318.8	467831.1	345110.0	467808.1	*	210.	264. AG	2200.	3.2	.0	55.9		
10. EBDP	MD450	* 345110.0	467808.1	344908.2	467737.2	*	214.	251. AG	2200.	3.2	.0	55.9		
11. EBDP	MD450	* 344908.2	467737.2	344710.4	467606.3	*	237.	237. AG	2200.	3.2	.0	55.9		
12. EBDP	MD450	* 344710.4	467606.3	344600.5	467501.4	*	152.	226. AG	2200.	3.2	.0	55.9		
13. WBL	MD450	* 344593.5	467530.4	344759.3	467685.3	*	227.	47. AG	280.	3.1	.0	32.0		
14. WBL	MD450	* 344644.5	467578.3	345732.7	468596.5	*	1490.	47. AG	75.	100.0	.0	12.0	1.84	75.7
15. WBT	MD450	* 344566.5	467550.4	344738.4	467702.2	*	229.	49. AG	1355.	3.1	.0	67.9		
16. WBT	MD450	* 344622.5	467600.3	344700.5	467668.4	*	103.	49. AG	214.	100.0	.0	48.0	.60	5.3
17. WBR	MD450	* 344568.5	467603.4	344722.4	467721.2	*	194.	53. AG	165.	3.1	.0	32.0		
18. WBALL	MD450	* 344745.4	467703.2	344949.2	467810.1	*	230.	62. AG	1800.	3.1	.0	67.9		
19. WBALL	MD450	* 344949.2	467810.1	345104.0	467857.1	*	162.	73. AG	1800.	3.1	.0	55.9		
20. WBALL	MD450	* 345104.0	467857.1	345284.8	467878.1	*	182.	83. AG	1800.	3.1	.0	55.9		
21. WBALL	MD450	* 345284.8	467878.1	345526.6	467857.1	*	243.	95. AG	1800.	3.1	.0	55.9		
22. WBDP	MD450	* 344034.1	466703.2	344566.5	467550.4	*	1001.	32. AG	3110.	3.1	.0	55.9		
23. NBL	MD410	* 344621.5	467488.5	344960.1	467075.9	*	534.	141. AG	770.	3.7	.0	32.0		
24. NBL	MD410	* 344646.5	467457.5	347439.7	464078.5	*	4384.	140. AG	64.	100.0	.0	12.0	2.06	222.7
25. NBT&R	MD410	* 344648.5	467501.4	344973.1	467089.8	*	524.	142. AG	1505.	3.7	.0	55.9		
26. NBT&R	MD410	* 344672.4	467470.5	344779.5	467335.1	*	173.	142. AG	158.	100.0	.0	36.0	.85	8.8
27. NBR	MD410	* 344668.4	467558.4	344684.4	467463.5	*	96.	170. AG	440.	3.7	.0	32.0		
28. NBALL	MD410	* 344975.1	467089.8	345221.9	466780.2	*	396.	141. AG	2275.	3.7	.0	55.9		
29. NBDP	MD410	* 343972.1	468334.6	344639.5	467512.4	*	1059.	141. AG	2185.	3.7	.0	55.9		
30. SBL	MD410	* 344565.5	467520.4	344309.8	467845.1	*	413.	322. AG	195.	3.7	.0	32.0		
31. SBL	MD410	* 344497.6	467609.3	344053.3	468156.8	*	705.	321. AG	75.	100.0	.0	12.0	1.39	35.8
32. SBT&R	MD410	* 344512.6	467556.4	344295.8	467832.1	*	351.	322. AG	1300.	3.7	.0	55.9		
33. SBT&R	MD410	* 344471.6	467608.3	344099.4	468084.2	*	604.	322. AG	187.	100.0	.0	36.0	1.09	30.7
34. SBR	MD410	* 344507.6	467461.5	344483.6	467587.4	*	128.	349. AG	275.	3.7	.0	32.0		
35. SBALL	MD410	* 344294.8	467837.1	343930.2	468300.6	*	590.	322. AG	1575.	3.7	.0	55.9		
36. SBDP	MD410	* 345168.9	466738.2	344519.6	467547.4	*	1038.	321. AG	1970.	3.7	.0	55.9		
37. EBDP	450BUS	* 345549.6	467776.2	345397.7	467804.1	*	154.	280. AG	34.	.5	.0	32.0		
38. EBDP	450BUS	* 345397.7	467804.1	345259.9	467804.1	*	138.	270. AG	34.	.5	.0	32.0		
39. EBDP	450BUS	* 345259.9	467804.1	345063.1	467771.2	*	200.	260. AG	34.	.5	.0	32.0		
40. EBDP	450BUS	* 345063.1	467771.2	344874.2	467690.2	*	205.	247. AG	34.	.5	.0	32.0		
41. EBDP	450BUS	* 344876.2	467690.2	344707.4	467570.4	*	207.	235. AG	34.	.5	.0	32.0		
42. EBDP	450BUS	* 344707.4	467570.4	344637.5	467511.4	*	91.	230. AG	34.	.5	.0	32.0		
43. EBDP	450BUS	* 344637.5	467511.4	344598.5	467511.4	*	39.	270. AG	34.	.5	.0	32.0		
44. SBL	410BUS	* 344597.5	467510.4	343944.2	468316.6	*	1038.	321. AG	34.	.3	.0	32.0		

JOB: S15 450&410 LBRT 2030PM  
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RUN: S15 450&410 LBRT 2030PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. SBL	410BUS	* 344532.6	467595.4	344523.3	467606.5	*	15.	320. AG	10.	100.0	.0	12.0	.24	.7
46. NBDP	410BUS	* 343954.2	468320.6	344502.6	467638.3	*	875.	141. AG	34.	.3	.0	32.0		
47. NBDP	410BUS	* 344503.6	467637.3	344541.6	467617.3	*	43.	118. AG	34.	.3	.0	32.0		
48. NBDP	410BUS	* 344541.6	467617.3	344584.5	467628.3	*	44.	76. AG	34.	.3	.0	32.0		
49. WBR	410BUS	* 344586.5	467629.3	344722.4	467738.2	*	174.	51. AG	34.	.5	.0	32.0		
50. WBR	410BUS	* 344722.4	467738.2	344945.2	467844.1	*	247.	65. AG	34.	.5	.0	32.0		
51. WBR	410BUS	* 344945.2	467844.1	345174.9	467894.1	*	235.	78. AG	34.	.5	.0	32.0		
52. WBR	410BUS	* 345174.9	467894.1	345332.8	467904.1	*	158.	86. AG	34.	.5	.0	32.0		
53. WBR	410BUS	* 345334.8	467904.1	345514.6	467889.0	*	180.	95. AG	34.	.5	.0	32.0		

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 90	77	2.0	195	1770	32.10	1	3
4. EBT	MD450	* 90	54	2.0	1740	1695	32.10	1	3
14. WBL	MD450	* 90	78	2.0	280	1717	32.10	1	3
16. WBT	MD450	* 90	56	2.0	1355	1695	32.10	1	3
24. NBL	MD410	* 90	67	2.0	770	1770	32.10	1	3

26.	NBT&R	MD410	*	90	55	2.0	1505	1707	32.10	1	3
31.	SBL	MD410	*	90	78	2.0	195	1583	32.10	1	3
33.	SBT&R	MD410	*	90	65	2.0	1300	1707	32.10	1	3
45.	SBL	410BUS	*	90	78	2.0	34	1583	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	344706.4	467517.4	5.0	*
2. SE 82S	*	344723.4	467468.5	5.0	*
3. SE 164S	*	344772.3	467400.6	5.0	*
4. SE 256S	*	344824.3	467329.6	5.0	*
5. SE MIDS	*	344958.1	467174.7	5.0	*
6. SE 82E	*	344744.4	467567.4	5.0	*
7. SE 164E	*	344811.3	467619.3	5.0	*
8. SE 256E	*	344882.2	467653.3	5.0	*
9. SE MIDE	*	345044.1	467724.2	5.0	*
10. NE COR	*	344572.5	467671.3	5.0	*
11. NE 82N	*	344521.6	467706.2	5.0	*
12. NE 164N	*	344468.6	467773.2	5.0	*
13. NE 256N	*	344415.7	467839.1	5.0	*
14. NE MIDN	*	344257.8	468041.9	5.0	*
15. NE 82E	*	344621.5	467686.2	5.0	*
16. NE 164E	*	344692.4	467742.2	5.0	*
17. NE 256E	*	344758.3	467782.2	5.0	*
18. NE MIDE	*	344938.2	467866.1	5.0	*
19. SW COR	*	344606.5	467375.5	5.0	*
20. SW 82S	*	344646.5	467345.6	5.0	*
21. SW 164S	*	344687.4	467295.6	5.0	*
22. SW 256S	*	344739.4	467227.7	5.0	*
23. SW MIDS	*	344854.3	467076.8	5.0	*
24. SW 82W	*	344531.6	467338.6	5.0	*
25. SW 164W	*	344499.6	467280.6	5.0	*
26. SW 256W	*	344455.7	467207.7	5.0	*
27. SW MIDW	*	344356.8	467021.9	5.0	*
28. NW COR	*	344478.6	467510.4	5.0	*
29. NW 82N	*	344438.7	467603.4	5.0	*
30. NW 164N	*	344373.7	467687.3	5.0	*
31. NW 256N	*	344303.8	467779.2	5.0	*
32. NW MIDN	*	344181.9	467935.0	5.0	*
33. NW 82W	*	344461.6	467440.5	5.0	*
34. NW 164W	*	344424.7	467370.6	5.0	*
35. NW 256W	*	344372.7	467291.6	5.0	*
36. NW MIDW	*	344234.9	467103.8	5.0	*

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JOB: S15 450&410 LBRT 2030PM

RUN: S15 450&410 LBRT 2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE *	(PPM)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.3	.1	.0	.0	.3	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
5.	*	.4	.3	.1	.0	.0	.3	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
10.	*	.4	.2	.1	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8
15.	*	.3	.2	.1	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
20.	*	.2	.2	.1	.0	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
25.	*	.2	.2	.1	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	.7
30.	*	.3	.2	.0	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.7
35.	*	.2	.2	.0	.0	.0	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.7
40.	*	.2	.1	.0	.0	.0	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.7	.6
45.	*	.2	.0	.0	.0	.0	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.1	.1	.4	.7	.6
50.	*	.1	.0	.0	.0	.0	.2	.2	.1	.3	.1	.0	.0	.0	.0	.1	.1	.1	.4	.7	.6
55.	*	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.4	.7	.6
60.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.2	.1	.1	.4	.7	.6
65.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.1	.4	.7	.6
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0	.2	.2	.1	.4	.7	.6
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.0	.2	.2	.2	.4	.7	.6
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.5	.3	.3	.4	.7	.6
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.5	.3	.3	.4	.7	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.4	.4	.3	.5	.7	.6
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.0	.0	.0	.5	.3	.3	.5	.6	.6
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.5	.3	.3	.5	.5	.7
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.6	.3	.3	.5	.5	.7
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.0	.0	.6	.3	.3	.6	.6	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.6	.3	.3	.5	.6	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4	.2	.2	.0	.6	.3	.3	.5	.5	.6
125.	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	.4	.2	.2	.1	.7	.3	.3	.5	.5	.6
130.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.5	.5	.2	.2	.1	.7	.3	.3	.5	.4	.6
135.	*	.0	.3	.2	.2	.2	.0	.0	.0	.0	.5	.6	.3	.3	.2	.7	.3	.3	.5	.4	.5
140.	*	.3	.3	.2	.4	.2	.0	.0	.0	.0	.8	.8	.5	.6	.3	.8	.3	.3	.5	.3	.4
145.	*	.4	.6	.5	.5	.3	.1	.0	.0	.0	.9	.9	.7	.5	.4	.9	.3	.3	.5	.3	.4
150.	*	.4	.6	.5	.5	.5	.1	.0	.0	.0	.8	.7	.5	.4	.5	1.1	.4	.3	.5	.1	.2

155.	*	.5	.7	.5	.5	.5	.3	.1	.0	.0	.9	.6	.4	.6	.6	1.1	.5	.3	.5	.1	.2
160.	*	.6	.8	.7	.5	.5	.4	.0	.0	.0	.9	.5	.6	.8	.6	1.0	.6	.3	.5	.0	.1
165.	*	.7	.9	.7	.5	.4	.4	.1	.0	.0	.6	.5	.6	.7	.7	.9	.7	.3	.6	.0	.1
170.	*	.7	.9	.8	.5	.4	.4	.1	.0	.0	.5	.6	.8	.9	.8	.9	.8	.3	.6	.0	.1
175.	*	.7	.9	.8	.5	.4	.4	.2	.0	.0	.6	.6	.8	.9	.8	.8	.8	.4	.5	.0	.0
180.	*	.6	.9	.8	.5	.4	.5	.2	.0	.0	.5	.6	1.0	.8	.8	.6	.8	.5	.5	.0	.0
185.	*	.6	.9	.9	.5	.3	.5	.3	.0	.0	.5	.6	1.0	1.0	.8	.8	.8	.5	.5	.0	.0
190.	*	.6	.9	.9	.5	.3	.4	.3	.0	.0	.7	.7	.9	.9	.8	.6	.7	.6	.6	.0	.0
195.	*	.6	.8	.9	.5	.3	.4	.3	.0	.0	.7	.8	.9	.9	.7	.7	.7	.5	.6	.0	.0
200.	*	.5	.8	.9	.5	.3	.4	.3	.1	.0	.7	.9	.7	.7	.7	.8	1.0	.4	.6	.0	.0
205.	*	.5	.8	.9	.5	.3	.3	.3	.1	.0	.6	.7	.7	.7	.7	.7	.9	.8	.6	.1	.0

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JOB: S15 450&410 LBRT 2030PM

RUN: S15 450&410 LBRT 2030PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.6	.7	.9	.5	.3	.4	.2	.1	.0	.6	.6	.6	.6	.6	.6	.7	.7	.6	.1	.0
215.	*	.7	.9	.8	.5	.3	.6	.4	.1	.0	.3	.7	.6	.6	.6	.5	.7	.6	.7	.2	.1
220.	*	.6	1.0	.9	.5	.3	.6	.5	.3	.0	.4	.6	.6	.6	.6	.2	.4	.5	.7	.3	.2
225.	*	.6	1.1	.9	.5	.3	.6	.5	.4	.0	.3	.7	.7	.7	.6	.2	.3	.4	.8	.4	.2
230.	*	.7	1.1	1.0	.5	.4	.5	.5	.3	.1	.4	.7	.7	.7	.6	.2	.2	.3	.6	.4	.2
235.	*	.8	1.1	1.0	.6	.4	.5	.4	.2	.1	.4	.7	.7	.7	.6	.2	.2	.2	.4	.6	.3
240.	*	.7	1.1	1.2	.7	.4	.4	.3	.2	.1	.4	.6	.6	.6	.6	.2	.2	.2	.3	.6	.3
245.	*	.5	1.1	1.1	.7	.3	.5	.3	.4	.1	.5	.6	.6	.6	.6	.2	.2	.2	.1	.6	.3
250.	*	.6	.9	1.1	.7	.3	.4	.5	.4	.1	.6	.6	.6	.6	.6	.2	.2	.2	.2	.5	.3
255.	*	.7	.8	1.1	.8	.4	.5	.5	.3	.2	.6	.6	.6	.6	.6	.3	.2	.2	.1	.6	.4
260.	*	.5	.8	1.2	.9	.5	.4	.6	.4	.2	.6	.6	.7	.7	.6	.5	.2	.2	.1	.6	.5
265.	*	.4	.9	1.1	.9	.5	.4	.8	.6	.3	.6	.8	.8	.7	.6	.5	.2	.2	.1	.6	.5
270.	*	.4	.7	1.1	.9	.5	.4	.9	.6	.5	.6	.8	.8	.7	.6	.5	.2	.2	.1	.5	.5
275.	*	.4	.6	1.1	.9	.5	.6	.8	.6	.5	.6	.8	.8	.8	.7	.5	.2	.2	.1	.6	.5
280.	*	.5	.5	1.1	.9	.5	.6	.8	.6	.4	.6	.8	.8	.8	.7	.4	.2	.2	.1	.7	.5
285.	*	.4	.6	.9	1.0	.5	.8	.8	.6	.4	.6	.8	.8	.8	.6	.4	.2	.2	.0	.6	.5
290.	*	.4	.7	.9	1.0	.6	.8	.8	.5	.4	.8	.8	.7	.8	.6	.4	.2	.2	.0	.6	.4
295.	*	.4	.7	.9	1.0	.5	.9	.7	.6	.3	.7	.9	.8	.8	.6	.5	.2	.2	.0	.6	.4
300.	*	.7	.6	.9	1.0	.6	.8	.7	.6	.3	.6	.8	.9	.8	.5	.5	.2	.1	.0	.6	.4
305.	*	.8	.7	.8	1.0	.7	.8	.7	.4	.2	.6	.8	.8	.8	.4	.3	.2	.0	.0	.6	.4
310.	*	.8	.7	.7	.9	.6	.9	.4	.4	.2	.6	.8	.8	.8	.4	.2	.1	.0	.0	.7	.5
315.	*	.7	.7	.6	.7	.7	.9	.3	.4	.2	.4	.8	.7	.7	.3	.2	.0	.0	.0	.7	.6
320.	*	.7	.5	.6	.7	.4	.8	.3	.4	.3	.3	.4	.4	.4	.2	.1	.0	.0	.0	.7	.7
325.	*	.7	.5	.6	.6	.3	.6	.4	.4	.3	.1	.4	.4	.2	.2	.0	.0	.0	.0	.8	1.0
330.	*	.6	.3	.5	.4	.1	.5	.4	.4	.3	.1	.2	.2	.2	.1	.0	.0	.0	.0	1.0	.7
335.	*	.5	.4	.2	.3	.0	.5	.4	.4	.3	.0	.1	.1	.1	.1	.0	.0	.0	.0	.8	.7
340.	*	.5	.3	.1	.1	.0	.4	.4	.4	.3	.0	.1	.1	.1	.0	.0	.0	.0	.0	.7	.5
345.	*	.5	.3	.1	.0	.0	.5	.4	.4	.4	.0	.1	.1	.0	.0	.0	.0	.0	.0	.7	.4
350.	*	.5	.3	.1	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
355.	*	.5	.3	.1	.0	.0	.3	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
360.	*	.4	.3	.1	.0	.0	.3	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7

MAX	*	.8	1.1	1.2	1.0	.7	.9	.9	.6	.5	.9	.9	1.0	1.0	.8	1.1	1.0	.8	.8	1.0	1.0
DEGR.	*	235	225	240	305	305	310	270	265	270	145	200	180	185	170	150	200	205	225	330	325

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JOB: S15 450&410 LBRT 2030PM

RUN: S15 450&410 LBRT 2030PM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

0.	*	.8	.7	.5	1.0	1.1	1.2	.5	.5	1.1	1.1	1.1	.5	.3	.3	.1
5.	*	.8	.7	.5	.9	.9	1.1	.8	.4	1.0	1.0	1.1	1.0	.3	.3	.1
10.	*	.7	.7	.4	.8	1.0	1.0	.6	.3	1.0	1.0	.9	1.0	.4	.3	.1
15.	*	.7	.5	.4	.8	.9	.7	.5	.3	1.0	1.0	.9	1.0	.3	.4	.1
20.	*	.6	.5	.4	.7	.7	.7	.5	.2	1.0	1.0	.9	1.0	.2	.3	.2
25.	*	.6	.5	.4	.7	.7	.6	.5	.2	.9	.8	.9	1.0	.3	.4	.1
30.	*	.6	.5	.4	.6	.5	.4	.3	.2	.8	.8	.9	1.0	.5	.5	.3
35.	*	.6	.4	.4	.6	.3	.3	.2	.3	.8	.8	.9	1.0	.6	.6	.3
40.	*	.6	.4	.4	.3	.3	.3	.1	.3	.8	.8	1.0	1.0	.7	.8	.6
45.	*	.6	.4	.4	.3	.2	.2	.0	.6	.9	.9	1.0	1.0	.7	.9	.6
50.	*	.6	.4	.4	.2	.2	.2	.0	.6	.9	.9	1.0	1.0	.9	1.1	.6
55.	*	.6	.4	.4	.2	.2	.2	.0	.6	1.0	.9	1.0	1.0	.9	1.0	.6
60.	*	.5	.4	.4	.3	.2	.2	.0	.6	1.0	.9	1.0	1.0	.9	.9	.6
65.	*	.5	.4	.4	.3	.2	.2	.0	.8	.9	.8	1.0	1.0	.7	.9	.5
70.	*	.5	.4	.4	.3	.2	.1	.0	.8	.9	.8	.9	1.0	.7	1.1	.4
75.	*	.5	.4	.4	.3	.2	.1	.0	.7	.8	.8	.9	1.0	.6	1.1	.4
80.	*	.4	.4	.4	.3	.2	.1	.0	.6	.8	1.0	1.0	1.0	.8	1.2	.4
85.	*	.4	.4	.4	.3	.1	.1	.0	.6	.9	1.0	1.0	1.0	.8	1.0	.4
90.	*	.5	.5	.4	.3	.1	.1	.0	.6	.7	1.1	1.0	1.0	.8	1.0	.4
95.	*	.5	.5	.4	.3	.1	.1	.0	.6	.6	1.1	1.0	1.0	1.0	1.0	.4
100.	*	.6	.5	.5	.2	.1	.1	.0	.7	.7	1.1	1.1	1.1	1.0	.9	.3
105.	*	.6	.5	.5	.3	.1	.1	.0	.7	.5	1.1	1.1	1.2	1.0	1.0	.3
110.	*	.6	.5	.5	.2	.1	.1	.0	.7	.7	1.1	1.2	1.2	1.1	1.0	.3

115.	*	.5	.5	.5	.2	.1	.1	.0	.8	.7	1.1	1.2	1.3	1.1	1.0	1.0	.4
120.	*	.6	.6	.5	.2	.1	.0	.0	.8	.7	1.0	1.1	1.4	.9	1.0	.9	.4
125.	*	.6	.6	.5	.2	.2	.0	.0	.9	.7	1.0	1.1	1.3	.9	1.1	.8	.4
130.	*	.6	.6	.5	.2	.0	.0	.0	.9	.7	1.0	1.2	1.3	1.0	1.0	.8	.3
135.	*	.5	.6	.5	.2	.0	.0	.0	.7	.7	.9	1.2	1.2	.9	.9	.8	.3
140.	*	.5	.4	.3	.0	.0	.0	.0	.7	.6	.8	1.0	1.2	.8	.9	.8	.3
145.	*	.4	.4	.3	.0	.0	.0	.0	.6	.6	.8	.8	.8	.7	.9	.7	.3
150.	*	.2	.2	.1	.0	.0	.0	.0	.7	.4	.5	.6	.4	.7	.9	.7	.4
155.	*	.2	.1	.1	.0	.0	.0	.0	.6	.3	.4	.5	.3	.7	.9	.7	.4
160.	*	.1	.1	.1	.0	.0	.0	.0	.6	.2	.3	.4	.2	.7	.9	.7	.4
165.	*	.1	.1	.0	.0	.0	.0	.0	.6	.3	.3	.2	.1	.8	1.0	.7	.4
170.	*	.1	.0	.0	.0	.0	.0	.0	.7	.3	.3	.1	.0	1.0	.9	.7	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.3	.2	.0	.9	.9	.7	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.9	.9	.7	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.9	1.0	.8	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.9	.9	.7	.4
195.	*	.0	.0	.0	.1	.1	.1	.0	.6	.2	.1	.0	.0	1.0	.9	.7	.4
200.	*	.0	.0	.0	.1	.1	.1	.1	.6	.2	.1	.0	.0	.9	.9	.7	.4
205.	*	.0	.0	.0	.2	.1	.1	.1	.4	.1	.0	.0	.0	.8	.6	.6	.4

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JOB: S15 450&410 LBRT 2030PM

RUN: S15 450&410 LBRT 2030PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.4	.3	.3	.1	.3	.1	.0	.0	.0	.5	.6	.6	.2
215.	*	.0	.0	.0	.5	.4	.4	.2	.3	.0	.0	.0	.0	.5	.5	.5	.2
220.	*	.0	.0	.0	.8	.4	.4	.3	.1	.0	.0	.0	.0	.3	.4	.3	.1
225.	*	.1	.0	.0	.8	.6	.5	.3	.1	.0	.0	.0	.0	.2	.3	.2	.1
230.	*	.2	.0	.0	.9	.7	.5	.4	.0	.0	.0	.0	.0	.1	.2	.2	.0
235.	*	.2	.1	.0	1.0	.8	.5	.4	.0	.0	.0	.0	.0	.1	.1	.1	.0
240.	*	.2	.2	.0	1.0	.8	.5	.5	.0	.0	.0	.0	.0	.1	.1	.1	.0
245.	*	.2	.2	.0	1.0	.8	.6	.4	.0	.0	.0	.0	.0	.1	.1	.1	.0
250.	*	.2	.2	.0	1.0	.9	.6	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0
255.	*	.3	.2	.0	1.0	.9	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.2	.0	.9	.8	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.2	.0	.9	.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.2	.0	.9	.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.3	.0	.9	.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.3	.0	.9	.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.3	.0	.9	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.3	.0	.9	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.3	.3	.0	.9	.8	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.3	.3	.1	.9	.8	.6	.3	.0	.1	.1	.1	.2	.0	.0	.0	.0
305.	*	.3	.3	.2	.9	.8	.7	.3	.0	.2	.2	.2	.2	.0	.0	.0	.0
310.	*	.5	.5	.2	.9	.8	.7	.3	.1	.3	.3	.3	.2	.0	.0	.0	.0
315.	*	.5	.5	.3	.9	.8	.7	.3	.1	.5	.5	.5	.4	.0	.0	.0	.0
320.	*	.7	.6	.3	1.0	.8	.8	.3	.2	1.0	.9	.9	.6	.1	.0	.0	.0
325.	*	.6	.5	.5	1.0	.9	.8	.3	.6	1.1	1.1	1.1	.9	.1	.0	.0	.0
330.	*	.6	.5	.6	1.1	.9	.8	.3	.6	1.2	1.2	1.2	1.0	.3	.1	.0	.0
335.	*	.6	.6	.7	1.2	.9	.9	.3	.7	1.2	1.2	1.3	1.1	.4	.1	.1	.0
340.	*	.6	.7	.6	1.3	1.0	.9	.3	.7	1.2	1.3	1.3	1.2	.5	.2	.1	.0
345.	*	.5	.7	.6	1.1	1.1	1.1	.4	.6	1.1	1.2	1.2	1.2	.5	.3	.1	.0
350.	*	.8	.7	.6	1.1	1.1	1.1	.5	.6	1.1	1.1	1.2	1.2	.5	.4	.2	.0
355.	*	.7	.7	.5	1.2	1.1	1.1	.5	.5	1.1	1.1	1.1	1.1	.5	.4	.2	.1
360.	*	.8	.7	.5	1.0	1.1	1.2	.5	.5	1.1	1.1	1.1	1.1	.5	.3	.3	.1

MAX	*	.8	.7	.7	1.3	1.1	1.2	.8	.9	1.2	1.3	1.3	1.4	1.1	1.2	1.2	.6
DEGR.	*	0	0	335	340	0	0	5	125	330	340	335	120	110	80	75	40

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 120 DEGREES FROM REC32.

THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 340 DEGREES FROM REC24.

THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 340 DEGREES FROM REC30.

S15 450&410 HBRT 2030AM			60.0321.0.0000.000360.30450000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345222.	468114.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344912.	468132.	5.		
NE 82N	344861.	468167.	5.		
NE 164N	344808.	468234.	5.		
NE 256N	344755.	468300.	5.		
NE MIDN	344597.	468503.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344808.	467971.	5.		
NW 82N	344766.	468057.	5.		
NW 164N	344701.	468137.	5.		
NW 256N	344632.	468229.	5.		
NW MIDN	344512.	468388.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 HBRT 2030AM			46 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	245 3.0 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
110	93	2.0 245 32.1 1770 1 3			
1					
EBT	MD450	AG344936.467959.344859.467847.	590 3.0 0. 56	29	
2					
EBT	MD450	AG344897.467902.344860.467850.	0. 36 3		
110	72	2.0 590 32.1 1695 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	400 3.0 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	400 3.0 0. 32	29	
1					
EBALL	MD450	AG344853.467847.344433.467130.	1235 3.0 0. 56	29	
1					
EBDP	MD450	AG345880.468271.345659.468292.	1135 3.0 0. 56	29	
1					
EBDP	MD450	AG345659.468292.345450.468269.	1135 3.0 0. 56	29	
1					
EBDP	MD450	AG345450.468269.345248.468198.	1135 3.0 0. 56	29	
1					
EBDP	MD450	AG345248.468198.345050.468067.	1135 3.0 0. 56	29	
1					
EBDP	MD450	AG345050.468067.344940.467962.	1135 3.0 0. 56	29	
1					
WBL	MD450	AG344933.467991.345099.468146.	415 3.2 0. 32	26	
2					
WBL	MD450	AG344984.468039.345061.468111.	0. 12 1		
110	88	2.0 415 32.1 1717 1 3			
1					
WBT	MD450	AG344906.468011.345078.468163.	1840 3.2 0. 68	26	
2					
WBT	MD450	AG344962.468061.345064.468150.	0. 48 4		
110	67	2.0 1840 32.1 1695 1 3			
1					
WBR	MD450	AG344908.468064.345062.468182.	120 3.2 0. 32	26	
1					
WBALL	MD450	AG345085.468164.345289.468271.	2375 3.2 0. 68	26	
1					
WBALL	MD450	AG345289.468271.345444.468318.	2375 3.2 0. 56	26	
1					
WBALL	MD450	AG345444.468318.345625.468339.	2375 3.2 0. 56	26	
1					
WBALL	MD450	AG345625.468339.345867.468318.	2375 3.2 0. 56	26	
1					
WBDP	MD450	AG344373.467163.344906.468011.	2740 3.2 0. 56	26	
1					
NBL	MD410	AG344947.467990.345074.467835.	680 3.7 0. 32	50	
2					
NBL	MD410	AG344991.467936.345045.467871.	0. 12 1		
110	76	2.0 680 32.1 1770 1 3			
1					
NBT&R	MD410	AG344969.468004.345090.467849.	1320 3.7 0. 56	50	
2					
NBT&R	MD410	AG345015.467946.345074.467870.	0. 36 3		

1	110	70	2.0	1320	32.1	1707	1	3					
NBR	MD410		AG345021.468031.345021.467948.		385	3.7	0.	32	50				
1													
NBALL	MD410		AG345085.467839.345558.467234.		2000	3.7	0.	56	50				
1													
NBDP	MD410		AG344313.468797.344953.467998.		1300	3.7	0.	44	50				
1													
SBL	MD410		AG344905.467977.344716.468210.		160	3.7	0.	44	50				
2													
SBL	MD410		AG344847.468049.344764.468151.		0.	24	2						
110	94		2.0 160 32.1 1583 1 3										
1													
SBT	MD410		AG344884.467961.344699.468197.		655	3.7	0.	44	50				
2													
SBT	MD410		AG344824.468039.344745.468138.		0.	24	2						
110	88		2.0 655 32.1 1770 1 3										
1													
SBR	MD410		AG344825.467889.344825.467993.		220	3.7	0.	32	50				
1													
SBR	MD410		AG344825.467993.344792.468055.		220	3.7	0.	32	50				
1													
SBR	MD410		AG344792.468055.344687.468186.		220	3.7	0.	32	50				
2													
SBR	MD410		AG344788.468060.344736.468125.		0.	12	1						
110	88		2.0 220 32.1 1583 1 3										
1													
SBALL	MD410		AG344699.468201.344255.468752.		1035	3.7	0.	56	50				
1													
SBDP	MD410		AG345506.467193.344903.467970.		1470	3.7	0.	44	50				
1													
SBT	410BUS		AG344909.468001.344287.468777.		34	0.3	0.	32	50				
2													
SBT	410BUS		AG344852.468071.344726.468229.		0.	12	1						
110	88		2.0 34 4.4 1770 1 3										
1													
SBDP	410BUS		AG345531.467212.344912.467996.		34	0.3	0.	32	50				
1													
NBT	410BUS		AG344924.468001.345415.467384.		34	0.3	0.	32	50				
2													
NBT	410BUS		AG345001.467905.345116.467760.		0.	12	1						
110	70		2.0 34 4.4 1770 1 3										
1													
NBT	410BUS		AG345415.467384.345541.467217.		34	0.3	0.	32	50				
1													
NBDP	410BUS		AG344298.468786.344924.467999.		34	0.3	0.	32	50				
1.0	04	1000	0Y	5	0	72							

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#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	MD450	* 344576.5	467509.4	344503.6	467394.6	*	136.	212. AG	245.	3.0	.0	32.0	
2. EBL	MD450	* 344542.6	467456.5	344246.6	466979.3	*	562.	212. AG	73.	100.0	.0	12.0	1.17 28.5
3. EBT	MD450	* 344596.5	467498.4	344519.6	467386.6	*	136.	215. AG	590.	3.0	.0	55.9	
4. EBT	MD450	* 344557.6	467441.5	344512.8	467378.6	*	77.	215. AG	169.	100.0	.0	36.0	.37 3.9
5. EBR	MD450	* 344645.5	467381.5	344595.5	467398.6	*	53.	289. AG	400.	3.0	.0	32.0	
6. EBR	MD450	* 344595.5	467398.6	344539.6	467380.6	*	59.	252. AG	400.	3.0	.0	32.0	
7. EBALL	MD450	* 344513.6	467386.6	344094.0	466670.3	*	830.	210. AG	1235.	3.0	.0	55.9	
8. EBDP	MD450	* 345539.6	467810.1	345318.8	467831.1	*	222.	275. AG	1135.	3.0	.0	55.9	
9. EBDP	MD450	* 345318.8	467831.1	345110.0	467808.1	*	210.	264. AG	1135.	3.0	.0	55.9	
10. EBDP	MD450	* 345110.0	467808.1	344908.2	467737.2	*	214.	251. AG	1135.	3.0	.0	55.9	
11. EBDP	MD450	* 344908.2	467737.2	344710.4	467606.3	*	237.	237. AG	1135.	3.0	.0	55.9	
12. EBDP	MD450	* 344710.4	467606.3	344600.5	467501.4	*	152.	226. AG	1135.	3.0	.0	55.9	
13. WBL	MD450	* 344593.5	467530.4	344759.3	467685.3	*	227.	47. AG	415.	3.2	.0	32.0	
14. WBL	MD450	* 344644.5	467578.3	345848.7	468705.1	*	1649.	47. AG	69.	100.0	.0	12.0	1.48 83.8
15. WBT	MD450	* 344566.5	467550.4	344738.4	467702.2	*	229.	49. AG	1840.	3.2	.0	67.9	
16. WBT	MD450	* 344622.5	467600.3	344750.6	467712.2	*	170.	49. AG	210.	100.0	.0	48.0	.77 8.6
17. WBR	MD450	* 344568.5	467603.4	344722.4	467721.2	*	194.	53. AG	120.	3.2	.0	32.0	
18. WBALL	MD450	* 344745.4	467703.2	344949.2	467810.1	*	230.	62. AG	2375.	3.2	.0	67.9	
19. WBALL	MD450	* 344949.2	467810.1	345104.0	467857.1	*	162.	73. AG	2375.	3.2	.0	55.9	
20. WBALL	MD450	* 345104.0	467857.1	345284.8	467878.1	*	182.	83. AG	2375.	3.2	.0	55.9	
21. WBALL	MD450	* 345284.8	467878.1	345526.6	467857.1	*	243.	95. AG	2375.	3.2	.0	55.9	
22. WBDP	MD450	* 344034.1	466703.2	344566.5	467550.4	*	1001.	32. AG	2740.	3.2	.0	55.9	
23. NBL	MD410	* 344607.5	467529.4	344734.4	467374.6	*	200.	141. AG	680.	3.7	.0	32.0	
24. NBL	MD410	* 344651.5	467475.4	346173.6	465643.1	*	2382.	140. AG	59.	100.0	.0	12.0	1.41 121.0
25. NBT&R	MD410	* 344629.5	467543.4	344750.4	467388.6	*	196.	142. AG	1320.	3.7	.0	55.9	
26. NBT&R	MD410	* 344675.4	467485.4	344782.5	467347.5	*	175.	142. AG	164.	100.0	.0	36.0	.79 8.9
27. NBR	MD410	* 344681.4	467570.4	344681.4	467487.4	*	83.	180. AG	385.	3.7	.0	32.0	
28. NBALL	MD410	* 344745.4	467378.6	345217.9	466774.2	*	767.	142. AG	2000.	3.7	.0	55.9	
29. NBDP	MD410	* 343974.1	468335.6	344613.5	467537.4	*	1023.	141. AG	1300.	3.7	.0	44.0	
30. SBL	MD410	* 344565.5	467516.4	344376.7	467749.2	*	300.	321. AG	160.	3.7	.0	44.0	
31. SBL	MD410	* 344507.6	467588.3	344481.7	467620.2	*	41.	321. AG	147.	100.0	.0	24.0	.47 2.1
32. SBT	MD410	* 344544.6	467500.4	344359.8	467736.2	*	300.	322. AG	655.	3.7	.0	44.0	
33. SBT	MD410	* 344484.6	467578.3	344094.9	468067.0	*	625.	321. AG	138.	100.0	.0	24.0	1.13 31.8
34. SBR	MD410	* 344485.6	467428.5	344485.6	467532.4	*	104.	360. AG	220.	3.7	.0	32.0	
35. SBR	MD410	* 344485.6	467532.4	344452.7	467594.3	*	70.	332. AG	220.	3.7	.0	32.0	
36. SBR	MD410	* 344452.7	467594.3	344347.8	467725.2	*	168.	321. AG	220.	3.7	.0	32.0	
37. SBR	MD410	* 344448.7	467599.4	344369.0	467698.9	*	127.	321. AG	69.	100.0	.0	12.0	.85 6.5
38. SBALL	MD410	* 344359.8	467740.2	343916.2	468290.6	*	707.	321. AG	1035.	3.7	.0	55.9	
39. SBDP	MD410	* 345165.9	466733.2	344563.5	467509.4	*	983.	322. AG	1470.	3.7	.0	44.0	
40. SBT	410BUS	* 344569.5	467540.4	343948.2	468315.7	*	994.	321. AG	34.	.3	.0	32.0	
41. SBT	410BUS	* 344512.6	467610.3	344502.4	467623.1	*	16.	321. AG	9.	100.0	.0	12.0	.12 .8
42. SBDP	410BUS	* 345190.9	466752.2	344572.5	467535.4	*	998.	322. AG	34.	.3	.0	32.0	
43. NBT	410BUS	* 344584.5	467540.4	345075.1	466924.0	*	788.	141. AG	34.	.3	.0	32.0	
44. NBT	410BUS	* 344661.5	467444.5	344669.5	467434.3	*	13.	142. AG	8.	100.0	.0	12.0	.06 .7

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. NBT	410BUS	* 345075.1	466924.0	345200.9	466757.1	*	209.	143. AG	34.	.3	.0	32.0	
46. NBDP	410BUS	* 343959.1	468324.6	344584.5	467538.4	*	1005.	142. AG	34.	.3	.0	32.0	

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 110	93	2.0	245	1770	32.10	1	3
4. EBT	MD450	* 110	72	2.0	590	1695	32.10	1	3
14. WBL	MD450	* 110	88	2.0	415	1717	32.10	1	3
16. WBT	MD450	* 110	67	2.0	1840	1695	32.10	1	3
24. NBL	MD410	* 110	76	2.0	680	1770	32.10	1	3
26. NBT&R	MD410	* 110	70	2.0	1320	1707	32.10	1	3
31. SBL	MD410	* 110	94	2.0	160	1583	32.10	1	3
33. SBT	MD410	* 110	88	2.0	655	1770	32.10	1	3
37. SBR	MD410	* 110	88	2.0	220	1583	32.10	1	3
41. SBT	410BUS	* 110	88	2.0	34	1770	4.40	1	3
44. NBT	410BUS	* 110	70	2.0	34	1770	4.40	1	3

## RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)			
	X	Y	Z	
1. SE COR	344706.4	467517.4	5.0	*
2. SE 82S	344723.4	467468.5	5.0	*
3. SE 164S	344772.3	467400.6	5.0	*
4. SE 256S	344824.3	467329.6	5.0	*
5. SE MIDS	344958.1	467174.7	5.0	*
6. SE 82E	344744.4	467567.4	5.0	*
7. SE 164E	344811.3	467619.3	5.0	*
8. SE 256E	344882.2	467653.3	5.0	*
9. SE MIDE	345044.1	467724.2	5.0	*
10. NE COR	344572.5	467671.3	5.0	*
11. NE 82N	344521.6	467706.2	5.0	*
12. NE 164N	344468.6	467773.2	5.0	*
13. NE 256N	344415.7	467839.1	5.0	*
14. NE MIDN	344257.8	468041.9	5.0	*
15. NE 82E	344621.5	467686.2	5.0	*
16. NE 164E	344692.4	467742.2	5.0	*
17. NE 256E	344758.3	467782.2	5.0	*
18. NE MIDE	344938.2	467866.1	5.0	*
19. SW COR	344606.5	467375.5	5.0	*
20. SW 82S	344646.5	467345.6	5.0	*
21. SW 164S	344687.4	467295.6	5.0	*
22. SW 256S	344739.4	467227.7	5.0	*
23. SW MIDS	344854.3	467076.8	5.0	*
24. SW 82W	344531.6	467338.6	5.0	*
25. SW 164W	344499.6	467280.6	5.0	*
26. SW 256W	344455.7	467207.7	5.0	*
27. SW MIDW	344356.8	467021.9	5.0	*
28. NW COR	344468.6	467510.4	5.0	*
29. NW 82N	344426.7	467596.3	5.0	*
30. NW 164N	344361.8	467676.2	5.0	*
31. NW 256N	344292.8	467768.2	5.0	*
32. NW MIDN	344172.9	467927.0	5.0	*
33. NW 82W	344461.6	467440.5	5.0	*
34. NW 164W	344424.7	467370.6	5.0	*

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JOB: S15 450&410 HBRT 2030AM  
 DATE: 10/07/2007 TIME: 01:23:24.64

RUN: S15 450&amp;410 HBRT 2030AM

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## RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)			
	X	Y	Z	
35. NW 256W	344372.7	467291.6	5.0	*
36. NW MIDW	344234.9	467103.8	5.0	*

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JOB: S15 450&amp;410 HBRT 2030AM

RUN: S15 450&amp;410 HBRT 2030AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.4	.3	.1	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
5.	.4	.2	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
10.	.3	.2	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
15.	.3	.3	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
20.	.4	.2	.0	.0	.0	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7
25.	.4	.2	.0	.0	.0	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8
30.	.3	.1	.0	.0	.0	.3	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.6
35.	.3	.1	.0	.0	.0	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.6
40.	.3	.1	.0	.0	.0	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.5
45.	.1	.0	.0	.0	.0	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.1	.1	.3	.3	.5
50.	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	.1	.1	.4	.5	.6
55.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.2	.1	.1	.4	.5	.6
60.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.0	.3	.2	.1	.4	.5	.4
65.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.3	.2	.1	.4	.5	.4
70.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.5	.2	.2	.4	.5	.5
75.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.5	.2	.3	.3	.4	.5
80.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.0	.0	.0	.6	.3	.3	.5	.4	.6
85.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.6	.3	.3	.5	.4	.5
90.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.7	.3	.3	.5	.4	.5
95.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.7	.4	.3	.5	.4	.5
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.6	.4	.3	.6	.4	.5
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.0	.0	.6	.3	.3	.4	.4	.4
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.4	.3	.4	.5	.4
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.4	.3	.4	.4	.4
120.	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.4	.3	.4	.4	.4



125.	*	.0	.1	.1	.1	.0	.0	.0	.0	.0	.4	.3	.1	.1	.0	.6	.6	.3	.4	.4	.4
130.	*	.0	.3	.2	.2	.1	.0	.0	.0	.0	.4	.3	.1	.1	.0	.6	.6	.3	.4	.4	.4
135.	*	.2	.4	.4	.3	.2	.0	.0	.0	.0	.4	.3	.2	.2	.1	.6	.7	.3	.4	.3	.4
140.	*	.3	.5	.4	.3	.2	.0	.0	.0	.0	.6	.6	.4	.2	.1	.6	.6	.3	.4	.3	.4
145.	*	.4	.7	.6	.4	.3	.2	.0	.0	.0	.8	.7	.5	.1	.2	.9	.6	.3	.3	.1	.1
150.	*	.6	.9	.7	.5	.3	.2	.0	.0	.0	.7	.6	.2	.2	.3	.9	.6	.3	.3	.1	.1
155.	*	.7	1.0	.8	.6	.5	.2	.1	.0	.0	.7	.4	.3	.2	.3	1.0	.7	.3	.3	.0	.1
160.	*	.7	1.0	.8	.5	.5	.4	.1	.0	.0	.5	.3	.2	.3	.3	1.0	.7	.3	.4	.0	.0
165.	*	.8	1.1	.9	.5	.5	.4	.1	.0	.0	.4	.4	.3	.4	.4	.7	.8	.5	.4	.0	.0
170.	*	.8	1.1	.9	.5	.5	.4	.1	.1	.0	.3	.3	.4	.4	.4	.6	.7	.3	.5	.0	.0
175.	*	.7	1.1	1.0	.5	.4	.5	.1	.1	.0	.4	.3	.4	.4	.5	.6	.7	.4	.5	.0	.0
180.	*	.7	1.1	1.0	.5	.4	.5	.2	.1	.0	.3	.4	.4	.4	.5	.4	.7	.5	.4	.0	.0
185.	*	.7	1.0	.9	.5	.4	.5	.2	.1	.0	.4	.4	.4	.5	.4	.5	.7	.5	.4	.0	.0
190.	*	.7	.9	.9	.5	.4	.4	.1	.1	.0	.3	.4	.3	.4	.4	.3	.6	.7	.5	.0	.0
195.	*	.6	.9	.9	.4	.4	.4	.1	.0	.0	.4	.4	.3	.4	.4	.4	.6	.7	.5	.0	.0
200.	*	.6	.9	.9	.4	.4	.4	.1	.1	.0	.4	.4	.3	.3	.4	.6	.6	.7	.5	.0	.0
205.	*	.6	.8	.9	.4	.4	.4	.1	.1	.0	.4	.4	.2	.3	.3	.5	.5	.8	.6	.0	.0

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JOB: S15 450&amp;410 HBRT 2030AM

RUN: S15 450&amp;410 HBRT 2030AM

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WIND	*	CONCENTRATION																			
ANGLE	*	(PPM)																			
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.6	.8	.9	.4	.4	.4	.1	.1	.0	.3	.4	.2	.2	.3	.4	.4	.7	.6	.0	.0
215.	*	.7	.8	.9	.4	.4	.3	.1	.1	.0	.3	.2	.2	.2	.3	.3	.4	.6	.8	.2	.0
220.	*	.6	.9	.8	.4	.4	.3	.2	.2	.0	.4	.2	.2	.2	.3	.2	.3	.5	.8	.2	.1
225.	*	.7	1.0	.8	.4	.4	.4	.2	.2	.0	.3	.2	.2	.2	.3	.2	.3	.4	.7	.3	.1
230.	*	.6	1.1	.9	.4	.4	.5	.2	.2	.1	.3	.2	.2	.3	.3	.1	.1	.4	.7	.3	.2
235.	*	.6	1.1	1.0	.4	.4	.3	.1	.1	.1	.3	.2	.2	.3	.3	.2	.0	.1	.4	.3	.3
240.	*	.6	1.2	1.0	.5	.4	.2	.1	.1	.1	.3	.2	.2	.3	.3	.2	.1	.1	.3	.3	.3
245.	*	.4	1.1	1.0	.5	.4	.3	.1	.2	.1	.3	.2	.2	.3	.3	.2	.1	.1	.3	.3	.3
250.	*	.4	1.1	.9	.5	.4	.3	.2	.1	.1	.2	.2	.2	.3	.3	.2	.1	.1	.1	.3	.3
255.	*	.3	1.0	.9	.5	.4	.2	.3	.3	.1	.2	.3	.3	.4	.3	.2	.1	.1	.0	.3	.2
260.	*	.2	1.1	.9	.5	.4	.2	.3	.5	.1	.2	.3	.3	.4	.3	.2	.1	.1	.1	.4	.2
265.	*	.3	1.1	1.1	.6	.4	.3	.5	.5	.2	.2	.3	.3	.4	.3	.2	.1	.1	.1	.3	.2
270.	*	.3	1.0	1.2	.6	.4	.3	.6	.6	.2	.2	.3	.3	.4	.3	.2	.1	.1	.0	.3	.2
275.	*	.3	.9	1.2	.6	.4	.5	.6	.6	.3	.2	.4	.5	.5	.3	.2	.1	.1	.0	.4	.3
280.	*	.4	.8	1.3	.7	.4	.5	.7	.6	.2	.3	.4	.5	.5	.3	.2	.1	.1	.0	.4	.3
285.	*	.5	.7	1.2	.7	.4	.7	.7	.6	.2	.3	.4	.5	.5	.4	.2	.1	.1	.0	.4	.2
290.	*	.5	.8	1.2	.8	.4	.7	.7	.5	.2	.3	.4	.5	.5	.3	.2	.1	.1	.0	.4	.2
295.	*	.5	.7	1.3	.7	.4	.7	.7	.5	.2	.3	.5	.5	.4	.3	.2	.1	.0	.0	.4	.2
300.	*	.5	.7	1.1	.9	.4	.7	.7	.4	.2	.2	.5	.4	.4	.2	.2	.0	.0	.0	.4	.2
305.	*	.6	.6	1.1	1.0	.5	.8	.6	.4	.2	.2	.4	.4	.4	.2	.2	.0	.0	.0	.4	.2
310.	*	.5	.7	.9	.9	.5	.8	.5	.3	.3	.2	.4	.4	.3	.1	.2	.0	.0	.0	.5	.3
315.	*	.5	.7	.9	1.0	.5	.5	.5	.3	.2	.2	.3	.3	.3	.1	.1	.0	.0	.0	.4	.3
320.	*	.6	.6	.9	.9	.3	.5	.5	.3	.2	.1	.2	.1	.1	.1	.0	.0	.0	.0	.4	.4
325.	*	.5	.5	.7	.6	.2	.6	.5	.3	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0	.4	.5
330.	*	.5	.3	.4	.5	.2	.6	.4	.3	.2	.0	.1	.1	.1	.0	.0	.0	.0	.0	.4	.4
335.	*	.5	.4	.3	.3	.0	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
340.	*	.6	.3	.3	.2	.0	.6	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
345.	*	.6	.3	.3	.2	.0	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3
350.	*	.6	.4	.1	.1	.0	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3
355.	*	.5	.4	.1	.0	.0	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3
360.	*	.4	.3	.1	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
MAX	*	.8	1.2	1.3	1.0	.5	.8	.7	.6	.3	.8	.7	.5	.5	.5	1.0	.8	.8	.8	.5	.8
DEGR.	*	165	240	280	305	155	305	280	270	0	145	145	145	185	175	155	165	205	215	25	25

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JOB: S15 450&amp;410 HBRT 2030AM

RUN: S15 450&amp;410 HBRT 2030AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION															
ANGLE	*	(PPM)															
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
0.	*	.6	.7	.4	.5	.5	.5	.4	.5	.8	.6	.6	.7	.2	.2	.2	.0
5.	*	.7	.6	.4	.5	.4	.3	.3	.5	.8	.6	.6	.6	.1	.2	.2	.1
10.	*	.7	.6	.4	.5	.4	.4	.3	.4	.7	.6	.6	.6	.2	.2	.2	.1
15.	*	.7	.5	.4	.5	.5	.4	.3	.4	.7	.6	.5	.6	.2	.2	.2	.0
20.	*	.6	.5	.4	.4	.4	.4	.3	.4	.7	.6	.5	.6	.1	.2	.2	.1
25.	*	.5	.5	.4	.4	.2	.5	.3	.4	.7	.6	.5	.6	.1	.3	.3	.1
30.	*	.5	.5	.3	.4	.2	.3	.2	.3	.7	.6	.5	.6	.3	.4	.3	.2
35.	*	.6	.4	.3	.4	.3	.0	.0	.4	.7	.6	.5	.6	.4	.5	.5	.2
40.	*	.6	.4	.3	.4	.2	.0	.0	.3	.7	.6	.5	.6	.6	.6	.6	.4
45.	*	.6	.4	.3	.3	.1	.1	.0	.5	.7	.6	.5	.6	.6	.7	.8	.4
50.	*	.6	.4	.3	.2	.1	.1	.0	.6	.7	.7	.5	.6	.6	.8	.6	.5
55.	*	.5	.4	.3	.2	.1	.1	.0	.7	.9	.7	.5	.6	.6	.8	.6	.5
60.	*	.5	.4	.3	.2	.1	.1	.0	.7	.9	.7	.5	.6	.5	.6	.7	.5
65.	*	.5	.4	.3	.2	.1	.0	.0	.4	.9	.7	.5	.6	.4	.8	.8	.5
70.	*	.5	.4	.3	.2	.1	.0	.0	.4	.9	.7	.5	.6	.4	.8	.7	.5
75.	*	.4	.4	.3	.2	.1	.0	.0	.3	1.0	.7	.5	.6	.6	.7	.6	.5
80.	*	.4	.4	.4	.2	.0	.0	.0	.2	.9	.8	.5	.6	.7	.7	.5	.5

85.	*	.4	.4	.4	.2	.2	.0	.0	.2	.9	.8	.5	.6	.7	.6	.5	.4
90.	*	.4	.4	.4	.3	.2	.0	.0	.3	.9	.8	.5	.6	.7	.7	.5	.4
95.	*	.4	.4	.4	.2	.2	.1	.0	.4	.9	.8	.7	.6	.8	.8	.5	.4
100.	*	.4	.4	.4	.2	.2	.1	.0	.4	.7	.8	.7	.6	.8	.7	.5	.4
105.	*	.4	.4	.4	.2	.2	.0	.0	.4	.4	.8	.7	.7	.8	.7	.5	.4
110.	*	.4	.4	.4	.2	.2	.0	.0	.4	.6	.8	.7	.8	.9	.7	.5	.4
115.	*	.4	.4	.4	.2	.2	.0	.0	.5	.4	.6	.7	.8	.9	.7	.5	.4
120.	*	.4	.4	.4	.3	.2	.0	.0	.7	.5	.7	.6	.8	.9	.7	.5	.4
125.	*	.4	.4	.4	.3	.0	.0	.0	.7	.7	.7	.6	.8	.9	.5	.5	.4
130.	*	.4	.4	.4	.1	.0	.0	.0	.6	.6	.7	.6	.8	.9	.5	.5	.4
135.	*	.4	.4	.4	.0	.0	.0	.0	.6	.4	.7	.6	.6	.7	.5	.5	.4
140.	*	.4	.4	.1	.0	.0	.0	.0	.5	.4	.4	.3	.4	.5	.5	.5	.4
145.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.4	.2	.4	.5	.5	.5	.4
150.	*	.1	.1	.1	.0	.0	.0	.0	.4	.2	.1	.2	.3	.6	.5	.5	.4
155.	*	.1	.1	.0	.0	.0	.0	.0	.4	.2	.1	.2	.2	.6	.5	.5	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.1	.5	.5	.5	.4
165.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.5	.5	.5	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.5	.5	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.6	.6	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.6	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.1	.0	.6	.6	.6	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.6	.6	.6	.4
195.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.6	.7	.7	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.6	.7	.7	.3
205.	*	.0	.0	.0	.1	.1	.1	.0	.3	.1	.0	.0	.0	.6	.7	.7	.2

1

JOB: S15 450&410 HBRT 2030AM

RUN: S15 450&410 HBRT 2030AM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.2	.2	.1	.2	.1	.0	.0	.0	.5	.6	.4	.2
215.	*	.0	.0	.0	.3	.3	.2	.1	.1	.0	.0	.0	.0	.3	.4	.4	.1
220.	*	.0	.0	.0	.3	.3	.2	.1	.0	.0	.0	.0	.0	.2	.3	.3	.1
225.	*	.0	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.2	.2	.2	.1
230.	*	.1	.0	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.1	.2	.1	.0
235.	*	.1	.0	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.1	.1	.1	.0
240.	*	.1	.1	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.1	.1	.0
245.	*	.1	.1	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.1	.1	.0
250.	*	.1	.1	.0	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0
255.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.2	.1	.0	.3	.3	.3	.3	.0	.1	.0	.1	.1	.0	.0	.0	.0
310.	*	.3	.1	.0	.4	.3	.3	.3	.1	.1	.1	.2	.2	.0	.0	.0	.0
315.	*	.4	.3	.1	.5	.3	.3	.3	.1	.3	.3	.3	.2	.0	.0	.0	.0
320.	*	.4	.2	.1	.6	.3	.3	.3	.1	.4	.3	.3	.3	.1	.0	.0	.0
325.	*	.4	.2	.2	.6	.3	.3	.3	.2	.5	.4	.4	.4	.1	.0	.0	.0
330.	*	.4	.3	.3	.7	.4	.3	.3	.3	.8	.5	.5	.5	.1	.1	.0	.0
335.	*	.4	.3	.4	.7	.4	.4	.3	.5	.9	.6	.7	.7	.2	.1	.0	.0
340.	*	.2	.3	.5	.7	.4	.4	.3	.5	.8	.6	.7	.7	.2	.1	.1	.0
345.	*	.4	.4	.5	.9	.5	.5	.3	.6	.8	.6	.7	.7	.3	.1	.1	.0
350.	*	.5	.5	.5	.8	.6	.5	.3	.5	.8	.6	.7	.7	.3	.1	.1	.0
355.	*	.5	.6	.4	.6	.6	.5	.4	.4	.8	.6	.6	.7	.2	.2	.1	.0
360.	*	.6	.7	.4	.5	.5	.5	.4	.5	.8	.6	.6	.7	.2	.2	.2	.0

MAX	*	.7	.7	.5	.9	.6	.5	.4	.7	1.0	.8	.7	.8	.9	.8	.8	.5
DEGR.	*	5	0	340	345	350	0	0	55	75	80	95	110	110	65	65	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 280 DEGREES FROM REC3 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 240 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 155 DEGREES FROM REC15.

S15 450&410 HBRT 2030PM			60.0321.0.0000.000360.30450000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345222.	468114.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344912.	468132.	5.		
NE 82N	344861.	468167.	5.		
NE 164N	344808.	468234.	5.		
NE 256N	344755.	468300.	5.		
NE MIDN	344597.	468503.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344808.	467971.	5.		
NW 82N	344766.	468057.	5.		
NW 164N	344701.	468137.	5.		
NW 256N	344632.	468229.	5.		
NW MIDN	344512.	468388.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 HBRT 2030PM			46 1 0		
1					
EBL MD450	AG344916.467970.344843.467855.	195 3.1 0. 32	29		
2					
EBL MD450	AG344882.467917.344851.467867.	0. 12 1			
100 85	2.0 195 32.1 1770 1 3				
1					
EBT MD450	AG344936.467959.344859.467847.	1740 3.1 0. 56	29		
2					
EBT MD450	AG344897.467902.344860.467850.	0. 36 3			
100 61	2.0 1740 32.1 1695 1 3				
1					
EBR MD450	AG344985.467842.344935.467859.	665 3.1 0. 32	29		
1					
EBR MD450	AG344935.467859.344879.467841.	665 3.1 0. 32	29		
1					
EBALL MD450	AG344853.467847.344433.467130.	2600 3.1 0. 56	29		
1					
EBDP MD450	AG345880.468271.345659.468292.	2200 3.1 0. 56	29		
1					
EBDP MD450	AG345659.468292.345450.468269.	2200 3.1 0. 56	29		
1					
EBDP MD450	AG345450.468269.345248.468198.	2200 3.1 0. 56	29		
1					
EBDP MD450	AG345248.468198.345050.468067.	2200 3.1 0. 56	29		
1					
EBDP MD450	AG345050.468067.344940.467962.	2200 3.1 0. 56	29		
1					
WBL MD450	AG344933.467991.345099.468146.	280 3.1 0. 32	26		
2					
WBL MD450	AG344984.468039.345061.468111.	0. 12 1			
100 88	2.0 280 32.1 1717 1 3				
1					
WBT MD450	AG344906.468011.345078.468163.	1355 3.1 0. 68	26		
2					
WBT MD450	AG344962.468061.345064.468150.	0. 48 4			
100 65	2.0 1355 32.1 1695 1 3				
1					
WBR MD450	AG344908.468064.345062.468182.	165 3.1 0. 32	26		
1					
WBALL MD450	AG345085.468164.345289.468271.	1800 3.1 0. 68	26		
1					
WBALL MD450	AG345289.468271.345444.468318.	1800 3.1 0. 56	26		
1					
WBALL MD450	AG345444.468318.345625.468339.	1800 3.1 0. 56	26		
1					
WBALL MD450	AG345625.468339.345867.468318.	1800 3.1 0. 56	26		
1					
WBDP MD450	AG344373.467163.344906.468011.	2185 3.1 0. 56	26		
1					
NBL MD410	AG344947.467990.345074.467835.	555 3.7 0. 32	50		
2					
NBL MD410	AG344991.467936.345045.467871.	0. 12 1			
100 73	2.0 555 32.1 1770 1 3				
1					
NBT&R MD410	AG344969.468004.345090.467849.	1040 3.7 0. 56	50		
2					
NBT&R MD410	AG345015.467946.345074.467870.	0. 36 3			

1	100	61	2.0	1040	32.1	1707	1	3											
NBR 1	MD410	AG345021.	468031.	345021.	467948.		265	3.7	0.	32		50							
NBALL 1	MD410	AG345085.	467839.	345558.	467234.		1595	3.7	0.	56		50							
NBDP 1	MD410	AG344313.	468797.	344953.	467998.		1135	3.7	0.	44		50							
SBL 2	MD410	AG344905.	467977.	344716.	468210.		195	3.7	0.	44		50							
SBL 1	MD410	AG344847.	468049.	344764.	468151.		0.	24	2										
SBT 2	MD410	AG344884.	467961.	344699.	468197.		1025	3.7	0.	44		50							
SBT 1	MD410	AG344825.	467889.	344825.	467993.		220	3.7	0.	32		50							
SBT 1	MD410	AG344825.	467993.	344792.	468055.		220	3.7	0.	32		50							
SBT 2	MD410	AG344792.	468055.	344687.	468186.		220	3.7	0.	32		50							
SBT 1	MD410	AG344788.	468060.	344736.	468125.		0.	12	1										
SBALL 1	MD410	AG344699.	468201.	344255.	468752.		1495	3.7	0.	56		50							
SBDP 1	MD410	AG345506.	467193.	344903.	467970.		1970	3.7	0.	44		50							
SBT 2	410BUS	AG344909.	468001.	344287.	468777.		34	0.3	0.	32		50							
SBT 1	410BUS	AG344852.	468071.	344726.	468229.		0.	12	1										
SBDP 1	410BUS	AG345531.	467212.	344912.	467996.		34	0.3	0.	32		50							
NBT 2	410BUS	AG344924.	468001.	345415.	467384.		34	0.3	0.	32		50							
NBT 1	410BUS	AG345001.	467905.	345116.	467760.		0.	12	1										
NBT 1	410BUS	AG345415.	467384.	345541.	467217.		34	0.3	0.	32		50							
NBDP 1.0	04 1000 OY	AG344298.	468786.	344924.	467999.		34	0.3	0.	32		50							

JOB: S15 450&410 HBRT 2030PM  
DATE: 10/07/2007 TIME: 02:19:21.08

RUN: S15 450&410 HBRT 2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL	MD450	* 344576.5	467509.4	344503.6	467394.6	*	136.	212. AG	195.	3.1	.0	32.0	
2. EBL	MD450	* 344542.6	467456.5	344453.6	467313.0	*	169.	212. AG	73.	100.0	.0	12.0	1.01 8.6
3. EBT	MD450	* 344596.5	467498.4	344519.6	467386.6	*	136.	215. AG	1740.	3.1	.0	55.9	
4. EBT	MD450	* 344557.6	467441.5	344390.7	467206.9	*	288.	215. AG	158.	100.0	.0	36.0	.98 14.6
5. EBR	MD450	* 344645.5	467381.5	344595.5	467398.6	*	53.	289. AG	665.	3.1	.0	32.0	
6. EBR	MD450	* 344595.5	467398.6	344539.6	467380.6	*	59.	252. AG	665.	3.1	.0	32.0	
7. EBALL	MD450	* 344513.6	467386.6	344094.0	466670.3	*	830.	210. AG	2600.	3.1	.0	55.9	
8. EBDP	MD450	* 345539.6	467810.1	345318.8	467831.1	*	222.	275. AG	2200.	3.1	.0	55.9	
9. EBDP	MD450	* 345318.8	467831.1	345110.0	467808.1	*	210.	264. AG	2200.	3.1	.0	55.9	
10. EBDP	MD450	* 345110.0	467808.1	344908.2	467737.2	*	214.	251. AG	2200.	3.1	.0	55.9	
11. EBDP	MD450	* 344908.2	467737.2	344710.4	467606.3	*	237.	237. AG	2200.	3.1	.0	55.9	
12. EBDP	MD450	* 344710.4	467606.3	344600.5	467501.4	*	152.	226. AG	2200.	3.1	.0	55.9	
13. WBL	MD450	* 344593.5	467530.4	344759.3	467685.3	*	227.	47. AG	280.	3.1	.0	32.0	
14. WBL	MD450	* 344644.5	467578.3	345855.9	468711.9	*	1659.	47. AG	76.	100.0	.0	12.0	2.04 84.3
15. WBT	MD450	* 344566.5	467550.4	344738.4	467702.2	*	229.	49. AG	1355.	3.1	.0	67.9	
16. WBT	MD450	* 344622.5	467600.3	344713.0	467679.3	*	120.	49. AG	224.	100.0	.0	48.0	.64 6.1
17. WBR	MD450	* 344568.5	467603.4	344722.4	467721.2	*	194.	53. AG	165.	3.1	.0	32.0	
18. WBALL	MD450	* 344745.4	467703.2	344949.2	467810.1	*	230.	62. AG	1800.	3.1	.0	67.9	
19. WBALL	MD450	* 344949.2	467810.1	345104.0	467857.1	*	162.	73. AG	1800.	3.1	.0	55.9	
20. WBALL	MD450	* 345104.0	467857.1	345284.8	467878.1	*	182.	83. AG	1800.	3.1	.0	55.9	
21. WBALL	MD450	* 345284.8	467878.1	345526.6	467857.1	*	243.	95. AG	1800.	3.1	.0	55.9	
22. WBDP	MD450	* 344034.1	466703.2	344566.5	467550.4	*	1001.	32. AG	2185.	3.1	.0	55.9	
23. NBL	MD410	* 344607.5	467529.4	344734.4	467374.6	*	200.	141. AG	555.	3.7	.0	32.0	
24. NBL	MD410	* 344651.5	467475.4	345809.4	466081.5	*	1812.	140. AG	63.	100.0	.0	12.0	1.36 92.1
25. NBT&R	MD410	* 344629.5	467543.4	344750.4	467388.6	*	196.	142. AG	1040.	3.7	.0	55.9	
26. NBT&R	MD410	* 344675.4	467485.4	344746.2	467394.3	*	115.	142. AG	158.	100.0	.0	36.0	.58 5.9
27. NBR	MD410	* 344681.4	467570.4	344681.4	467487.4	*	83.	180. AG	265.	3.7	.0	32.0	
28. NBALL	MD410	* 344745.4	467378.6	345217.9	467677.2	*	767.	142. AG	1595.	3.7	.0	55.9	
29. NBDP	MD410	* 343974.1	468335.6	344613.5	467537.4	*	1023.	141. AG	1135.	3.7	.0	44.0	
30. SBL	MD410	* 344565.5	467516.4	344376.7	467749.2	*	300.	321. AG	195.	3.7	.0	44.0	
31. SBL	MD410	* 344507.6	467588.3	344479.5	467622.9	*	45.	321. AG	145.	100.0	.0	24.0	.51 2.3
32. SBT	MD410	* 344544.6	467500.4	344359.8	467736.2	*	300.	322. AG	1025.	3.7	.0	44.0	
33. SBT	MD410	* 344484.6	467578.3	343743.3	468507.7	*	1189.	321. AG	124.	100.0	.0	24.0	1.21 60.4
34. SBR	MD410	* 344485.6	467428.5	344485.6	467532.4	*	104.	360. AG	220.	3.7	.0	32.0	
35. SBR	MD410	* 344485.6	467532.4	344452.7	467594.3	*	70.	332. AG	220.	3.7	.0	32.0	
36. SBR	MD410	* 344452.7	467594.3	344347.8	467725.2	*	168.	321. AG	220.	3.7	.0	32.0	
37. SBR	MD410	* 344448.7	467599.4	344394.5	467667.0	*	87.	321. AG	62.	100.0	.0	12.0	.58 4.4
38. SBALL	MD410	* 344359.8	467740.2	343916.2	468290.6	*	707.	321. AG	1495.	3.7	.0	55.9	
39. SBDP	MD410	* 345165.9	466733.2	344563.5	467509.4	*	983.	322. AG	1970.	3.7	.0	44.0	
40. SBT	410BUS	* 344569.5	467540.4	343948.2	468315.7	*	994.	321. AG	34.	.3	.0	32.0	
41. SBT	410BUS	* 344512.6	467610.3	344504.2	467620.8	*	13.	321. AG	8.	100.0	.0	12.0	.08 .7
42. SBDP	410BUS	* 345190.9	466752.2	344572.5	467535.4	*	998.	322. AG	34.	.3	.0	32.0	
43. NBT	410BUS	* 344584.5	467540.4	345075.1	466924.0	*	788.	141. AG	34.	.3	.0	32.0	
44. NBT	410BUS	* 344661.5	467444.5	344668.5	467435.6	*	11.	142. AG	7.	100.0	.0	12.0	.05 .6

JOB: S15 450&410 HBRT 2030PM  
DATE: 10/07/2007 TIME: 02:19:21.08

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#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. NBT	410BUS	* 345075.1	466924.0	345200.9	466757.1	*	209.	143. AG	34.	.3	.0	32.0	
46. NBDP	410BUS	* 343959.1	468324.6	344584.5	467538.4	*	1005.	142. AG	34.	.3	.0	32.0	

JOB: S15 450&410 HBRT 2030PM  
DATE: 10/07/2007 TIME: 02:19:21.08

RUN: S15 450&410 HBRT 2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 100	85	2.0	195	1770	32.10	1	3
4. EBT	MD450	* 100	61	2.0	1740	1695	32.10	1	3
14. WBL	MD450	* 100	88	2.0	280	1717	32.10	1	3
16. WBT	MD450	* 100	65	2.0	1355	1695	32.10	1	3
24. NBL	MD410	* 100	73	2.0	555	1770	32.10	1	3
26. NBT&R	MD410	* 100	61	2.0	1040	1707	32.10	1	3
31. SBL	MD410	* 100	84	2.0	195	1583	32.10	1	3
33. SBT	MD410	* 100	72	2.0	1025	1770	32.10	1	3
37. SBR	MD410	* 100	72	2.0	220	1583	32.10	1	3
41. SBT	410BUS	* 100	72	2.0	34	1770	4.40	1	3
44. NBT	410BUS	* 100	61	2.0	34	1770	4.40	1	3

# RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)			
	X	Y	Z	
1. SE COR	344706.4	467517.4	5.0	*
2. SE 82S	344723.4	467468.5	5.0	*
3. SE 164S	344772.3	467400.6	5.0	*
4. SE 256S	344824.3	467329.6	5.0	*
5. SE MIDS	344958.1	467174.7	5.0	*
6. SE 82E	344744.4	467567.4	5.0	*
7. SE 164E	344811.3	467619.3	5.0	*
8. SE 256E	344882.2	467653.3	5.0	*
9. SE MIDE	345044.1	467724.2	5.0	*
10. NE COR	344572.5	467671.3	5.0	*
11. NE 82N	344521.6	467706.2	5.0	*
12. NE 164N	344468.6	467773.2	5.0	*
13. NE 256N	344415.7	467839.1	5.0	*
14. NE MIDN	344257.8	468041.9	5.0	*
15. NE 82E	344621.5	467686.2	5.0	*
16. NE 164E	344692.4	467742.2	5.0	*
17. NE 256E	344758.3	467782.2	5.0	*
18. NE MIDE	344938.2	467866.1	5.0	*
19. SW COR	344606.5	467375.5	5.0	*
20. SW 82S	344646.5	467345.6	5.0	*
21. SW 164S	344687.4	467295.6	5.0	*
22. SW 256S	344739.4	467227.7	5.0	*
23. SW MIDS	344854.3	467076.8	5.0	*
24. SW 82W	344531.6	467338.6	5.0	*
25. SW 164W	344499.6	467280.6	5.0	*
26. SW 256W	344455.7	467207.7	5.0	*
27. SW MIDW	344356.8	467021.9	5.0	*
28. NW COR	344468.6	467510.4	5.0	*
29. NW 82N	344426.7	467596.3	5.0	*
30. NW 164N	344361.8	467676.2	5.0	*
31. NW 256N	344292.8	467768.2	5.0	*
32. NW MIDN	344172.9	467927.0	5.0	*
33. NW 82W	344461.6	467440.5	5.0	*
34. NW 164W	344424.7	467370.6	5.0	*

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JOB: S15 450&410 HBRT 2030PM  
DATE: 10/07/2007 TIME: 02:19:21.08

RUN: S15 450&410 HBRT 2030PM

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# RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)			
	X	Y	Z	
35. NW 256W	344372.7	467291.6	5.0	*
36. NW MIDW	344234.9	467103.8	5.0	*

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JOB: S15 450&410 HBRT 2030PM

RUN: S15 450&410 HBRT 2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	.5	.3	.1	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
5.	.4	.3	.1	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
10.	.4	.3	.1	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
15.	.4	.2	.1	.0	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7
20.	.2	.2	.1	.0	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.7
25.	.2	.2	.1	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	.7
30.	.3	.2	.1	.0	.0	.4	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	.7
35.	.2	.2	.0	.0	.0	.4	.4	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.7
40.	.2	.1	.0	.0	.0	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.7
45.	.2	.0	.0	.0	.0	.2	.3	.2	.3	.0	.0	.0	.0	.0	.1	.1	.1	.4	.7	.6
50.	.2	.0	.0	.0	.0	.2	.3	.1	.3	.1	.0	.0	.0	.0	.1	.1	.1	.4	.7	.5
55.	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.0	.0	.1	.1	.1	.4	.6	.4
60.	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.2	.1	.1	.5	.6	.4
65.	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.2	.2	.1	.4	.6	.4
70.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.0	.2	.2	.1	.4	.5	.4
75.	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.0	.3	.2	.2	.4	.5	.4
80.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.5	.2	.2	.4	.5	.4
85.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.6	.3	.3	.4	.5	.4
90.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.5	.3	.3	.5	.4	.4
95.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.6	.3	.3	.5	.4	.4
100.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.0	.0	.0	.6	.3	.3	.5	.4	.4
105.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.3	.1	.0	.0	.6	.3	.3	.5	.4	.4
110.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.0	.0	.7	.3	.3	.6	.4	.5
115.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.7	.3	.3	.5	.4	.5
120.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.1	.0	.7	.3	.3	.5	.4	.5

125.	*	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	.3	.1	.1	.0	.7	.3	.3	.5	.4	.5
130.	*	.0	.1	.1	.1	.0	.0	.0	.0	.0	.5	.3	.1	.1	.0	.6	.3	.3	.5	.4	.5
135.	*	.1	.4	.2	.2	.2	.0	.0	.0	.0	.5	.2	.2	.2	.1	.7	.3	.3	.5	.4	.5
140.	*	.3	.4	.3	.3	.2	.0	.0	.0	.0	.6	.6	.4	.2	.1	.7	.3	.3	.5	.3	.4
145.	*	.4	.6	.4	.4	.2	.0	.0	.0	.0	.8	.6	.4	.2	.2	.8	.4	.3	.5	.1	.2
150.	*	.5	.6	.5	.5	.4	.2	.0	.0	.0	.7	.4	.2	.2	.2	1.1	.4	.3	.5	.1	.1
155.	*	.6	.7	.5	.5	.4	.3	.0	.0	.0	.6	.2	.2	.2	.2	1.1	.5	.3	.5	.0	.1
160.	*	.6	.8	.5	.5	.4	.3	.1	.0	.0	.6	.2	.3	.3	.3	.9	.6	.3	.5	.0	.0
165.	*	.7	.8	.4	.5	.4	.3	.1	.0	.0	.4	.2	.3	.3	.3	.8	.7	.3	.6	.0	.0
170.	*	.7	.8	.4	.4	.4	.4	.2	.0	.0	.3	.4	.4	.4	.3	.7	.8	.3	.6	.0	.0
175.	*	.6	.9	.4	.4	.4	.4	.2	.0	.0	.5	.3	.4	.5	.4	.6	.8	.3	.5	.0	.0
180.	*	.7	.8	.4	.4	.4	.3	.2	.0	.0	.4	.4	.6	.5	.3	.5	.9	.4	.5	.0	.0
185.	*	.7	.8	.4	.4	.4	.3	.1	.0	.0	.3	.5	.6	.4	.3	.6	.9	.4	.5	.0	.0
190.	*	.7	.8	.4	.4	.4	.4	.1	.0	.0	.4	.6	.6	.2	.3	.6	.8	.4	.5	.0	.0
195.	*	.6	.8	.4	.4	.4	.4	.2	.0	.0	.4	.6	.5	.2	.3	.5	.7	.5	.6	.0	.0
200.	*	.6	.8	.4	.4	.4	.4	.2	.0	.0	.4	.6	.4	.2	.3	.6	.9	.4	.6	.0	.0
205.	*	.6	.8	.3	.4	.4	.4	.2	.0	.0	.4	.5	.3	.2	.3	.5	.7	.7	.6	.0	.0

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JOB: S15 450&amp;410 HBRT 2030PM

RUN: S15 450&amp;410 HBRT 2030PM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.7	.8	.3	.4	.4	.4	.2	.1	.0	.4	.4	.3	.2	.3	.4	.7	.7	.6	.1	.0
215.	*	.7	.9	.3	.4	.4	.5	.3	.1	.0	.3	.3	.2	.3	.3	.4	.6	.6	.6	.1	.1
220.	*	.8	1.0	.3	.4	.4	.6	.5	.2	.0	.3	.2	.2	.3	.3	.2	.4	.5	.7	.3	.1
225.	*	.7	1.1	.4	.4	.4	.6	.4	.4	.0	.3	.3	.2	.3	.3	.2	.2	.4	.7	.4	.2
230.	*	.7	1.1	.4	.4	.4	.6	.4	.4	.0	.3	.2	.2	.3	.3	.1	.1	.1	.5	.5	.2
235.	*	.8	1.1	.7	.5	.4	.6	.3	.2	.0	.3	.2	.2	.3	.3	.3	.0	.1	.4	.5	.3
240.	*	.7	1.2	.8	.5	.4	.4	.3	.2	.0	.3	.2	.2	.3	.3	.3	.1	.1	.4	.5	.3
245.	*	.5	1.2	.7	.5	.4	.3	.3	.3	.1	.3	.2	.2	.3	.3	.2	.1	.1	.1	.4	.3
250.	*	.6	.9	.8	.5	.4	.2	.3	.3	.2	.3	.2	.2	.3	.3	.2	.1	.1	.1	.5	.4
255.	*	.6	1.0	.8	.6	.4	.3	.3	.2	.2	.2	.2	.2	.3	.3	.2	.1	.1	.0	.6	.4
260.	*	.4	1.0	.9	.6	.4	.3	.5	.3	.2	.2	.2	.3	.3	.3	.2	.1	.1	.0	.6	.4
265.	*	.4	1.0	.8	.5	.4	.2	.6	.4	.4	.2	.2	.3	.3	.3	.2	.1	.1	.0	.6	.4
270.	*	.3	.9	.9	.5	.4	.3	.8	.5	.4	.2	.2	.3	.3	.3	.2	.1	.1	.0	.6	.4
275.	*	.3	.7	.9	.5	.4	.5	.7	.5	.4	.2	.2	.3	.3	.3	.2	.1	.1	.1	.5	.4
280.	*	.2	.7	.9	.5	.4	.7	.7	.5	.4	.2	.3	.4	.4	.3	.2	.1	.1	.1	.7	.4
285.	*	.4	.8	.8	.5	.5	.8	.7	.5	.4	.2	.4	.4	.4	.4	.2	.1	.1	.0	.6	.4
290.	*	.4	.6	.8	.6	.5	.8	.7	.5	.3	.2	.5	.5	.5	.4	.3	.1	.1	.0	.6	.3
295.	*	.4	.6	1.0	.5	.5	.7	.7	.5	.4	.4	.5	.5	.5	.4	.3	.1	.1	.0	.6	.3
300.	*	.6	.7	1.0	.6	.4	.8	.7	.5	.3	.4	.5	.5	.5	.4	.3	.1	.1	.0	.6	.4
305.	*	.5	.6	.9	.7	.4	.8	.6	.4	.2	.3	.5	.5	.5	.3	.3	.1	.0	.0	.6	.3
310.	*	.5	.6	.9	.7	.5	.9	.5	.4	.2	.3	.4	.4	.4	.2	.2	.1	.0	.0	.7	.4
315.	*	.5	.6	.9	.6	.4	.8	.4	.4	.2	.2	.4	.3	.3	.2	.1	.0	.0	.0	.5	.5
320.	*	.6	.6	.8	.5	.3	.7	.3	.4	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.4	.5
325.	*	.6	.5	.7	.5	.1	.7	.4	.4	.2	.1	.2	.2	.2	.2	.1	.0	.0	.0	.4	.5
330.	*	.5	.3	.5	.3	.1	.6	.4	.4	.2	.0	.1	.1	.1	.0	.0	.0	.0	.0	.7	.6
335.	*	.6	.3	.3	.2	.0	.5	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4
340.	*	.6	.3	.3	.1	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
345.	*	.6	.4	.1	.1	.0	.5	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2
350.	*	.5	.4	.1	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
355.	*	.5	.3	.1	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
360.	*	.5	.3	.1	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
MAX	*	.8	1.2	1.0	.7	.5	.9	.8	.5	.4	.8	.6	.6	.5	.4	1.1	.9	.7	.7	.7	.7
DEGR.	*	235	240	295	305	285	310	270	270	35	145	140	180	175	175	150	180	205	220	280	15

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JOB: S15 450&amp;410 HBRT 2030PM

RUN: S15 450&amp;410 HBRT 2030PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																			
ANGLE *	(PPM)																		
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36			
0.	*	.6	.4	.4	.8	.8	1.0	.5	.5	.7	.6	.7	.7	.2	.1	.1			
5.	*	.6	.5	.4	.8	.8	.9	.4	.5	.7	.6	.6	.7	.2	.2	.1			
10.	*	.6	.5	.4	.7	.8	.7	.4	.4	.7	.5	.6	.7	.2	.2	.0			
15.	*	.5	.4	.4	.7	.7	.7	.4	.4	.7	.5	.6	.6	.3	.2	.0			
20.	*	.5	.4	.4	.5	.7	.7	.4	.4	.7	.5	.6	.6	.2	.2	.1			
25.	*	.5	.4	.4	.5	.6	.5	.4	.3	.7	.5	.6	.6	.2	.2	.1			
30.	*	.5	.4	.4	.6	.6	.3	.2	.2	.7	.5	.6	.6	.3	.4	.2			
35.	*	.4	.4	.4	.5	.3	.3	.2	.2	.7	.5	.6	.6	.3	.4	.3			
40.	*	.5	.4	.4	.2	.3	.2	.2	.2	.7	.5	.6	.6	.4	.5	.4			
45.	*	.4	.4	.4	.3	.3	.0	.0	.3	.6	.5	.6	.6	.4	.6	.4			
50.	*	.4	.4	.4	.2	.2	.1	.0	.4	.7	.5	.6	.6	.6	.8	.4			
55.	*	.4	.4	.4	.2	.2	.1	.0	.5	.8	.5	.6	.6	.6	.7	.4			
60.	*	.4	.4	.4	.2	.2	.1	.0	.5	.9	.5	.6	.6	.7	.8	.4			
65.	*	.4	.4	.4	.2	.2	.1	.0	.6	.9	.5	.6	.6	.6	.8	.4			
70.	*	.4	.4	.4	.2	.1	.1	.0	.6	.9	.5	.6	.6	.5	1.0	.4			
75.	*	.4	.4	.4	.2	.1	.1	.0	.4	1.0	.5	.6	.6	.5	1.0	.3			
80.	*	.4	.4	.4	.1	.1	.1	.0	.3	1.0	.5	.6	.6	.7	1.0	.3			

85.	*	.4	.4	.4	.1	.1	.1	.0	.3	.9	.6	.6	.6	.7	.8	.8	.3
90.	*	.4	.4	.4	.1	.1	.1	.0	.4	.8	.6	.6	.7	.7	.8	.8	.3
95.	*	.4	.4	.4	.2	.1	.1	.0	.4	.5	.6	.6	.7	.8	.8	.8	.3
100.	*	.4	.4	.4	.2	.1	.1	.0	.3	.5	.7	.7	.7	.8	.8	.8	.3
105.	*	.5	.5	.4	.2	.2	.1	.0	.4	.4	.7	.7	.7	.7	.8	.8	.3
110.	*	.5	.5	.5	.2	.1	.1	.0	.4	.4	.6	.7	.7	.8	.9	.7	.3
115.	*	.5	.5	.5	.3	.1	.0	.0	.5	.5	.6	.8	.7	.9	.9	.6	.3
120.	*	.5	.5	.5	.3	.1	.0	.0	.6	.5	.6	.6	.7	.9	.9	.6	.3
125.	*	.5	.5	.5	.2	.1	.0	.0	.7	.5	.6	.5	.8	.9	.9	.7	.3
130.	*	.5	.5	.5	.1	.0	.0	.0	.6	.4	.6	.6	.6	.8	.8	.7	.3
135.	*	.5	.5	.3	.1	.0	.0	.0	.5	.4	.6	.6	.6	.7	.8	.7	.3
140.	*	.4	.3	.2	.0	.0	.0	.0	.5	.4	.4	.5	.5	.7	.8	.7	.3
145.	*	.2	.2	.1	.0	.0	.0	.0	.6	.3	.6	.3	.4	.6	.8	.7	.3
150.	*	.1	.1	.1	.0	.0	.0	.0	.5	.3	.2	.2	.3	.6	.8	.6	.3
155.	*	.1	.1	.1	.0	.0	.0	.0	.4	.2	.2	.2	.2	.6	.7	.6	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.2	.1	.2	.7	.7	.6	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.0	.8	.7	.6	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.0	.0	.9	.8	.6	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.0	.0	.9	.8	.6	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.2	.0	.0	.9	.7	.6	.3
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.8	.7	.6	.3
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.7	.7	.5	.3
195.	*	.0	.0	.0	.1	.1	.1	.0	.4	.2	.0	.0	.0	.7	.8	.6	.3
200.	*	.0	.0	.0	.1	.1	.1	.1	.4	.2	.0	.0	.0	.6	.7	.6	.3
205.	*	.0	.0	.0	.3	.1	.1	.1	.4	.1	.0	.0	.0	.5	.6	.5	.3

1

JOB: S15 450&410 HBRT 2030PM

RUN: S15 450&410 HBRT 2030PM

PAGE 8

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.4	.3	.2	.1	.2	.0	.0	.0	.0	.5	.5	.4	.2
215.	*	.0	.0	.0	.6	.4	.4	.2	.1	.0	.0	.0	.0	.3	.4	.4	.1
220.	*	.0	.0	.0	.6	.5	.4	.3	.1	.0	.0	.0	.0	.2	.3	.2	.1
225.	*	.1	.0	.0	.7	.5	.4	.3	.0	.0	.0	.0	.0	.1	.2	.2	.0
230.	*	.1	.0	.0	.7	.6	.4	.4	.0	.0	.0	.0	.0	.1	.1	.1	.0
235.	*	.2	.1	.0	.8	.6	.4	.3	.0	.0	.0	.0	.0	.1	.1	.1	.0
240.	*	.2	.1	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
245.	*	.2	.1	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0
250.	*	.3	.1	.0	.9	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.1	.0	.8	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.1	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.2	.0	.8	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.2	.0	.8	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.2	.0	.8	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.2	.0	.8	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.2	.0	.8	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.2	.0	.8	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.1	.8	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.2	.1	.1	.8	.6	.6	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0
305.	*	.2	.1	.1	.8	.6	.6	.3	.0	.1	.1	.2	.2	.0	.0	.0	.0
310.	*	.4	.3	.2	.8	.7	.6	.3	.1	.1	.2	.2	.3	.0	.0	.0	.0
315.	*	.4	.3	.2	.8	.7	.6	.3	.1	.3	.3	.3	.4	.1	.0	.0	.0
320.	*	.3	.3	.2	.9	.7	.6	.3	.3	.4	.4	.5	.5	.1	.0	.0	.0
325.	*	.3	.3	.3	.9	.8	.6	.3	.3	.6	.5	.5	.6	.1	.1	.0	.0
330.	*	.3	.3	.3	.9	.8	.7	.3	.5	.7	.6	.6	.7	.1	.1	.0	.0
335.	*	.3	.5	.3	.9	.9	.7	.3	.6	.8	.7	.7	.8	.3	.1	.1	.0
340.	*	.3	.4	.5	.9	.9	.7	.3	.5	.8	.7	.7	.9	.2	.1	.1	.0
345.	*	.5	.5	.5	.9	.9	.7	.4	.5	.7	.7	.7	.8	.2	.1	.1	.0
350.	*	.5	.6	.5	.9	.9	.8	.4	.4	.8	.7	.7	.7	.2	.1	.1	.0
355.	*	.5	.6	.5	.9	.9	.9	.4	.5	.7	.6	.7	.7	.2	.1	.1	.1
360.	*	.6	.4	.4	.8	.8	1.0	.5	.5	.7	.6	.7	.7	.2	.1	.1	.1
MAX	*	.6	.6	.5	.9	.9	1.0	.5	.7	1.0	.7	.8	.9	.9	1.0	.8	.4
DEGR.	*	0	350	110	335	335	0	0	125	75	100	115	340	115	70	50	40

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 240 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 150 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 295 DEGREES FROM REC3 .



S15 450&410 LLRT	2030AM		60.0321.0.0000.000360.30480000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345217.	468125.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344925.	468158.	5.		
NE 82N	344898.	468202.	5.		
NE 164N	344846.	468265.	5.		
NE 256N	344789.	468333.	5.		
NE MIDN	344611.	468523.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344529.	468400.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 LLRT			46 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	280 3.0 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
100	84	2.0 280 32.1 1770 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	455 3.0 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	455 3.0 0. 32	29	
1					
EBALL	MD450	AG344859.467845.344399.467145.	1405 3.0 0. 56	29	
1					
EBT	MD450	AG344937.467963.344859.467844.	670 3.0 0. 56	29	
2					
EBT	MD450	AG344909.467920.344868.467859.	0. 36 3		
100	66	2.0 670 32.1 1695 1 3			
1					
EBDP	MD450	AG345883.468265.345717.468296.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345717.468296.345553.468296.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345553.468296.345385.468260.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345385.468260.345252.468209.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345252.468209.345112.468113.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345112.468113.344938.467965.	1290 3.0 0. 56	29	
1					
WBL	MD450	AG344916.468000.345132.468166.	470 3.1 0. 44	26	
2					
WBL	MD450	AG345024.468083.345126.468161.	0. 24 2		
100	78	2.0 470 32.1 1717 1 3			
1					
WBT	MD450	AG344914.468018.344990.468096.	2090 3.1 0. 56	26	
1					
WBT	MD450	AG344990.468096.345114.468193.	2090 3.1 0. 56	26	
2					
WBT	MD450	AG345000.468104.345104.468185.	0. 36 3		
100	60	2.0 2090 32.1 1695 1 3			
1					
WBR	MD450	AG344909.468152.344968.468134.	135 3.1 0. 32	26	
1					
WBR	MD450	AG344968.468134.345095.468204.	135 3.1 0. 32	26	
1					
WBALL	MD450	AG345117.468193.345250.468264.	2695 3.1 0. 56	26	
1					
WBALL	MD450	AG345250.468264.345440.468317.	2695 3.1 0. 56	26	
1					
WBALL	MD450	AG345440.468317.345585.468339.	2695 3.1 0. 56	26	
1					
WBALL	MD450	AG345585.468339.345739.468339.	2695 3.1 0. 56	26	
1					
WBALL	MD450	AG345739.468339.345867.468320.	2695 3.1 0. 56	26	
1					
WBDP	MD450	AG344359.467173.344913.468000.	3110 3.1 0. 56	26	
1					

NBL	MD410	AG344945.467976.345160.467717.	770	4.3	0.	32	50
2							
NBL	MD410	AG344992.467919.345088.467803.	0.	12	1		
100	69	2.0 770 32.1 1770 1 3					
1							
NBT&R	MD410	AG344972.468023.345034.467910.	1505	4.3	0.	56	50
1							
NBT&R	MD410	AG345033.467910.345178.467731.	1505	4.3	0.	56	50
2							
NBT&R	MD410	AG345044.467897.345138.467781.	0.	36	3		
100	61	2.0 1505 32.1 1707 1 3					
1							
NBR	MD410	AG345037.468044.345025.467973.	440	4.3	0.	32	50
1							
NBR	MD410	AG345025.467973.345057.467903.	440	4.3	0.	32	50
1							
NBALL	MD410	AG345173.467727.345569.467244.	2275	4.3	0.	56	50
1							
NBDP	MD410	AG344323.468807.344502.468586.	1480	4.3	0.	56	50
1							
NBDP	MD410	AG344502.468586.344647.468441.	1480	4.3	0.	56	50
1							
NBDP	MD410	AG344647.468441.344779.468293.	1480	4.3	0.	56	50
1							
NBDP	MD410	AG344779.468293.344966.468047.	1480	4.3	0.	56	50
1							
SBL	MD410	AG344939.467975.344609.468370.	180	4.3	0.	44	50
2							
SBL	MD410	AG344864.468055.344779.468166.	0.	24	2		
100	89	2.0 180 32.1 1717 1 3					
1							
SBT&R	MD410	AG344896.467966.344583.468350.	995	4.3	0.	68	50
2							
SBT&R	MD410	AG344836.468040.344692.468216.	0.	48	4		
100	79	2.0 995 32.1 1707 1 3					
1							
SBR	MD410	AG344828.467881.344811.468027.	250	4.3	0.	32	50
1							
SBR	MD410	AG344811.468027.344753.468131.	250	4.3	0.	32	50
1							
SBALL	MD410	AG344603.468364.344262.468768.	1175	4.3	0.	56	50
1							
SBDP	MD410	AG345520.467202.344896.467969.	1670	4.3	0.	56	50
1.0	04	1000 0Y 5 0 72					

JOB: S15 450&410 LLRT 2030AM  
DATE: 10/07/2007 TIME: 10:15:09.65

RUN: S15 450&410 LLRT

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL MD450	*	344916.0	467970.0	344843.0	467855.0	*	136.	212. AG	280.	3.0	.0	32.0	
2. EBL MD450	*	344882.0	467917.0	344412.5	467159.0	*	892.	212. AG	72.	100.0	.0	12.0	1.32 45.3
3. EBR MD450	*	344985.0	467842.0	344935.0	467859.0	*	53.	289. AG	455.	3.0	.0	32.0	
4. EBR MD450	*	344935.0	467859.0	344879.0	467841.0	*	59.	252. AG	455.	3.0	.0	32.0	
5. EBALL MD450	*	344859.0	467845.0	344399.0	467145.0	*	838.	213. AG	1405.	3.0	.0	56.0	
6. EBT MD450	*	344937.0	467963.0	344859.0	467844.0	*	142.	213. AG	670.	3.0	.0	56.0	
7. EBT MD450	*	344909.0	467920.0	344864.1	467853.2	*	80.	214. AG	170.	100.0	.0	36.0	.44 4.1
8. EBDP MD450	*	345883.0	468265.0	345717.0	468296.0	*	169.	281. AG	1290.	3.0	.0	56.0	
9. EBDP MD450	*	345717.0	468296.0	345553.0	468296.0	*	164.	270. AG	1290.	3.0	.0	56.0	
10. EBDP MD450	*	345553.0	468296.0	345385.0	468260.0	*	172.	258. AG	1290.	3.0	.0	56.0	
11. EBDP MD450	*	345385.0	468260.0	345252.0	468209.0	*	142.	249. AG	1290.	3.0	.0	56.0	
12. EBDP MD450	*	345252.0	468209.0	345112.0	468113.0	*	170.	236. AG	1290.	3.0	.0	56.0	
13. EBDP MD450	*	345112.0	468113.0	344938.0	467965.0	*	228.	230. AG	1290.	3.0	.0	56.0	
14. WBL MD450	*	344916.0	468000.0	345132.0	468166.0	*	272.	52. AG	470.	3.1	.0	44.0	
15. WBL MD450	*	345024.0	468083.0	345110.2	468148.9	*	108.	53. AG	134.	100.0	.0	24.0	.76 5.5
16. WBT MD450	*	344914.0	468018.0	344990.0	468096.0	*	109.	44. AG	2090.	3.1	.0	56.0	
17. WBT MD450	*	344990.0	468096.0	345114.0	468193.0	*	157.	52. AG	2090.	3.1	.0	56.0	
18. WBT MD450	*	345000.0	468104.0	345956.1	468848.9	*	1212.	52. AG	155.	100.0	.0	36.0	1.14 61.6
19. WBR MD450	*	344909.0	468152.0	344968.0	468134.0	*	62.	107. AG	135.	3.1	.0	32.0	
20. WBR MD450	*	344968.0	468134.0	345095.0	468204.0	*	145.	61. AG	135.	3.1	.0	32.0	
21. WBALL MD450	*	345117.0	468193.0	345250.0	468264.0	*	151.	62. AG	2695.	3.1	.0	56.0	
22. WBALL MD450	*	345250.0	468264.0	345440.0	468317.0	*	197.	74. AG	2695.	3.1	.0	56.0	
23. WBALL MD450	*	345440.0	468317.0	345585.0	468339.0	*	147.	81. AG	2695.	3.1	.0	56.0	
24. WBALL MD450	*	345585.0	468339.0	345739.0	468339.0	*	154.	90. AG	2695.	3.1	.0	56.0	
25. WBALL MD450	*	345739.0	468339.0	345867.0	468320.0	*	129.	98. AG	2695.	3.1	.0	56.0	
26. WBDP MD450	*	344359.0	467173.0	344913.0	468000.0	*	995.	34. AG	3110.	3.1	.0	56.0	
27. NBL MD410	*	344945.0	467976.0	345160.0	467717.0	*	337.	140. AG	770.	4.3	.0	32.0	
28. NBL MD410	*	344992.0	467919.0	347125.1	465341.1	*	3346.	140. AG	59.	100.0	.0	12.0	1.61 170.0
29. NBT&R MD410	*	344972.0	468023.0	345034.0	467910.0	*	129.	151. AG	1505.	4.3	.0	56.0	
30. NBT&R MD410	*	345033.0	467910.0	345178.0	467731.0	*	230.	141. AG	1505.	4.3	.0	56.0	
31. NBT&R MD410	*	345044.0	467897.0	345159.9	467754.0	*	184.	141. AG	158.	100.0	.0	36.0	.84 9.3
32. NBR MD410	*	345037.0	468044.0	345025.0	467973.0	*	72.	190. AG	440.	4.3	.0	32.0	
33. NBR MD410	*	345025.0	467973.0	345057.0	467903.0	*	77.	155. AG	440.	4.3	.0	32.0	
34. NBALL MD410	*	345173.0	467727.0	345569.0	467244.0	*	625.	141. AG	2275.	4.3	.0	56.0	
35. NBDP MD410	*	344323.0	468807.0	344502.0	468586.0	*	284.	141. AG	1480.	4.3	.0	56.0	
36. NBDP MD410	*	344502.0	468586.0	344647.0	468441.0	*	205.	135. AG	1480.	4.3	.0	56.0	
37. NBDP MD410	*	344647.0	468441.0	344779.0	468293.0	*	198.	138. AG	1480.	4.3	.0	56.0	
38. NBDP MD410	*	344779.0	468293.0	344966.0	468047.0	*	309.	143. AG	1480.	4.3	.0	56.0	
39. SBL MD410	*	344939.0	467975.0	344609.0	468370.0	*	515.	320. AG	180.	4.3	.0	44.0	
40. SBL MD410	*	344864.0	468055.0	344832.1	468096.7	*	52.	323. AG	153.	100.0	.0	24.0	.75 2.7
41. SBT&R MD410	*	344896.0	467966.0	344583.0	468350.0	*	495.	321. AG	995.	4.3	.0	68.0	
42. SBT&R MD410	*	344836.0	468040.0	344753.4	468140.9	*	130.	321. AG	272.	100.0	.0	48.0	.86 6.6
43. SBR MD410	*	344828.0	467881.0	344811.0	468027.0	*	147.	353. AG	250.	4.3	.0	32.0	
44. SBR MD410	*	344811.0	468027.0	344753.0	468131.0	*	119.	331. AG	250.	4.3	.0	32.0	

JOB: S15 450&410 LLRT 2030AM  
DATE: 10/07/2007 TIME: 10:15:09.65

RUN: S15 450&410 LLRT

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. SBALL MD410	*	344603.0	468364.0	344262.0	468768.0	*	529.	320. AG	1175.	4.3	.0	56.0	
46. SBDP MD410	*	345520.0	467202.0	344896.0	467969.0	*	989.	321. AG	1670.	4.3	.0	56.0	

JOB: S15 450&410 LLRT 2030AM  
DATE: 10/07/2007 TIME: 10:15:09.65

RUN: S15 450&410 LLRT

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL MD450	*	100	84	2.0	280	1770	32.10	1	3
7. EBT MD450	*	100	66	2.0	670	1695	32.10	1	3
15. WBL MD450	*	100	78	2.0	470	1717	32.10	1	3
18. WBT MD450	*	100	60	2.0	2090	1695	32.10	1	3
28. NBL MD410	*	100	69	2.0	770	1770	32.10	1	3
31. NBT&R MD410	*	100	61	2.0	1505	1707	32.10	1	3
40. SBL MD410	*	100	89	2.0	180	1717	32.10	1	3
42. SBT&R MD410	*	100	79	2.0	995	1707	32.10	1	3

RECEPTOR LOCATIONS

\* COORDINATES (FT) \*

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	345046.0	467978.0	5.0	*
2. SE 82S	*	345063.0	467929.0	5.0	*
3. SE 164S	*	345112.0	467861.0	5.0	*
4. SE 256S	*	345164.0	467790.0	5.0	*
5. SE MIDS	*	345298.0	467635.0	5.0	*
6. SE 82E	*	345084.0	468028.0	5.0	*
7. SE 164E	*	345151.0	468080.0	5.0	*
8. SE 256E	*	345217.0	468125.0	5.0	*
9. SE MIDE	*	345384.0	468185.0	5.0	*
10. NE COR	*	344925.0	468158.0	5.0	*
11. NE 82N	*	344898.0	468202.0	5.0	*
12. NE 164N	*	344846.0	468265.0	5.0	*
13. NE 256N	*	344789.0	468333.0	5.0	*
14. NE MIDN	*	344611.0	468523.0	5.0	*
15. NE 82E	*	344961.0	468147.0	5.0	*
16. NE 164E	*	345032.0	468203.0	5.0	*
17. NE 256E	*	345098.0	468243.0	5.0	*
18. NE MIDE	*	345278.0	468327.0	5.0	*
19. SW COR	*	344946.0	467836.0	5.0	*
20. SW 82S	*	344986.0	467806.0	5.0	*
21. SW 164S	*	345027.0	467756.0	5.0	*
22. SW 256S	*	345079.0	467688.0	5.0	*
23. SW MIDS	*	345194.0	467537.0	5.0	*
24. SW 82W	*	344871.0	467799.0	5.0	*
25. SW 164W	*	344839.0	467741.0	5.0	*
26. SW 256W	*	344795.0	467668.0	5.0	*
27. SW MIDW	*	344696.0	467482.0	5.0	*
28. NW COR	*	344818.0	467971.0	5.0	*
29. NW 82N	*	344778.0	468064.0	5.0	*
30. NW 164N	*	344713.0	468148.0	5.0	*
31. NW 256N	*	344643.0	468240.0	5.0	*
32. NW MIDN	*	344529.0	468400.0	5.0	*
33. NW 82W	*	344801.0	467901.0	5.0	*
34. NW 164W	*	344764.0	467831.0	5.0	*
35. NW 256W	*	344712.0	467752.0	5.0	*
36. NW MIDW	*	344574.0	467564.0	5.0	*

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JOB: S15 450&410 LLRT 2030AM

RUN: S15 450&410 LLRT

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.6	.3	.1	.1	.5	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.5
5.	*	.5	.2	.1	.1	.5	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4
10.	*	.5	.3	.1	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
15.	*	.5	.3	.1	.1	.5	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.6
20.	*	.4	.2	.1	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
25.	*	.4	.2	.1	.1	.0	.5	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.5	.4	.6
30.	*	.3	.2	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.7	.5	.6
35.	*	.2	.2	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.8	.5	.6
40.	*	.2	.1	.1	.0	.0	.3	.4	.4	.3	.0	.0	.0	.0	.0	.1	.1	1.0	.4	.6
45.	*	.2	.1	.1	.0	.0	.3	.4	.4	.3	.1	.0	.0	.0	.0	.1	.1	.2	1.1	.4
50.	*	.1	.1	.0	.0	.0	.1	.2	.3	.2	.1	.1	.0	.0	.0	.2	.2	.2	1.2	.5
55.	*	.1	.0	.0	.0	.0	.1	.1	.1	.2	.2	.1	.1	.0	.0	.3	.3	.3	1.2	.5
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.4	.4	.4	1.2	.5
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.0	.6	.5	.6	1.1	.5
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.6	1.0	.5
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.6	.9	.6
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.7	.6	.6	1.0	.6
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.6	.5	.7	.9	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.1	.5	.5	.7	.8	.6
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.5	.5	.7	.9	.6
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.5	.5	.6	.8	.6
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.5	.5	.5	.7	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.5	.4	.5	.7	.6
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.5	.4	.5	.7	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1	.1	.1	.4	.5	.5	.6	.5
125.	*	.0	.0	.1	.2	.1	.0	.0	.0	.0	.3	.3	.1	.1	.0	.4	.5	.6	.6	.5
130.	*	.0	.3	.3	.2	.1	.0	.0	.0	.0	.3	.3	.2	.2	.2	.4	.5	.6	.6	.4
135.	*	.2	.4	.4	.4	.3	.0	.0	.0	.0	.3	.1	.2	.2	.2	.4	.5	.6	.6	.4
140.	*	.4	.5	.5	.4	.3	.0	.0	.0	.0	.3	.2	.1	.1	.2	.4	.5	.6	.7	.4
145.	*	.5	.8	.8	.7	.4	.2	.0	.0	.0	.6	.4	.4	.3	.2	.7	.5	.5	.7	.1
150.	*	.6	.8	.9	.7	.6	.2	.0	.0	.0	.6	.5	.4	.3	.4	.8	.6	.4	.7	.1
155.	*	.6	.9	1.0	.8	.6	.4	.1	.0	.0	.7	.6	.3	.3	.4	.6	.7	.5	.7	.0
160.	*	.7	.9	.9	.8	.6	.5	.1	.1	.0	.7	.4	.3	.4	.5	.9	.5	.7	.0	.1
165.	*	.6	.9	1.0	.8	.6	.5	.2	.1	.0	.5	.4	.3	.4	.5	.7	.6	.8	.0	.0
170.	*	.8	.9	1.1	.8	.6	.4	.2	.1	.0	.4	.4	.4	.5	.4	.5	.7	.6	.8	.0
175.	*	.8	.9	1.0	.7	.5	.5	.3	.1	.0	.5	.4	.4	.6	.2	.4	.8	.7	.8	.0
180.	*	.8	.9	1.0	.8	.5	.5	.2	.1	.0	.5	.3	.4	.7	.2	.3	.8	.7	.7	.0
185.	*	.7	.9	1.0	.8	.5	.3	.2	.0	.0	.6	.3	.5	.6	.2	.4	.6	.7	.7	.0
190.	*	.7	.9	1.0	.8	.5	.3	.3	.1	.0	.4	.5	.6	.5	.3	.4	.5	.6	.8	.0

195.	*	.7	.9	1.0	.8	.5	.3	.3	.1	.0	.5	.6	.6	.5	.3	.4	.4	.5	.9	.0	.0
200.	*	.5	.9	1.0	.9	.5	.2	.3	.1	.0	.5	.6	.6	.4	.3	.6	.5	.7	.9	.0	.0
205.	*	.4	.9	.9	.9	.5	.3	.2	.1	.0	.7	.6	.6	.3	.3	.5	.4	.7	1.0	.0	.0

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JOB: S15 450&410 LLRT 2030AM

RUN: S15 450&410 LLRT

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.3	.8	.9	.9	.5	.2	.2	.1	.0	.5	.7	.5	.3	.3	.5	.6	.6	1.1	.0	.0
215.	*	.5	.8	.9	.9	.5	.3	.2	.1	.0	.6	.7	.5	.3	.3	.3	.4	.5	1.3	.2	.0
220.	*	.7	.7	.9	1.0	.5	.4	.2	.1	.0	.7	.6	.4	.3	.3	.3	.3	.4	1.5	.3	.1
225.	*	.8	.9	.9	1.0	.5	.5	.2	.1	.0	.6	.6	.4	.3	.3	.4	.3	.3	1.4	.3	.1
230.	*	.8	1.0	1.0	1.0	.5	.5	.2	.1	.1	.6	.6	.4	.3	.3	.3	.3	.4	1.3	.3	.3
235.	*	.7	.8	1.0	1.0	.5	.5	.3	.1	.1	.7	.5	.3	.3	.3	.4	.2	.3	1.2	.3	.3
240.	*	.7	.9	1.0	1.1	.5	.5	.2	.2	.1	.7	.5	.3	.3	.3	.4	.2	.2	1.1	.4	.3
245.	*	.5	.9	1.0	1.1	.5	.3	.2	.2	.0	.6	.5	.3	.3	.3	.4	.2	.2	1.1	.4	.3
250.	*	.5	.9	1.0	1.1	.5	.3	.2	.2	.0	.6	.3	.3	.2	.3	.4	.2	.2	.8	.3	.3
255.	*	.5	.6	1.0	1.1	.5	.3	.1	.5	.1	.5	.4	.3	.2	.3	.3	.2	.2	.6	.3	.3
260.	*	.4	.7	1.0	1.1	.5	.3	.3	.4	.1	.5	.4	.2	.2	.3	.3	.2	.2	.5	.3	.3
265.	*	.5	.7	1.2	1.1	.5	.4	.3	.5	.1	.5	.3	.2	.2	.3	.3	.2	.0	.4	.3	.3
270.	*	.4	.7	1.2	1.1	.5	.3	.5	.5	.2	.4	.3	.2	.2	.3	.2	.1	.0	.4	.3	.2
275.	*	.6	.7	1.2	1.1	.5	.3	.5	.6	.2	.4	.3	.2	.2	.3	.4	.1	.0	.4	.3	.2
280.	*	.7	.6	1.2	1.3	.5	.4	.6	.5	.2	.4	.2	.3	.2	.3	.3	.1	.0	.3	.3	.2
285.	*	.6	.6	1.1	1.3	.5	.4	.7	.5	.3	.3	.2	.3	.2	.3	.2	.1	.0	.3	.4	.2
290.	*	.7	.5	1.0	1.3	.5	.4	.6	.5	.3	.2	.2	.2	.3	.3	.2	.0	.0	.3	.4	.2
295.	*	.6	.6	1.2	1.3	.6	.4	.7	.4	.3	.2	.2	.2	.3	.4	.2	.0	.0	.3	.4	.2
300.	*	.7	.5	.9	1.3	.6	.4	.6	.4	.4	.2	.3	.2	.3	.4	.1	.0	.0	.3	.4	.2
305.	*	.7	.5	.7	1.3	.7	.4	.6	.4	.3	.2	.3	.2	.4	.4	.1	.0	.0	.3	.4	.3
310.	*	.6	.6	.6	1.2	.6	.5	.5	.4	.3	.2	.3	.2	.3	.3	.1	.0	.0	.3	.5	.4
315.	*	.5	.7	.5	.7	.6	.5	.5	.4	.3	.3	.2	.2	.3	.2	.1	.0	.0	.3	.4	.4
320.	*	.5	.6	.5	.5	.3	.4	.5	.4	.3	.2	.2	.2	.1	.2	.1	.0	.0	.3	.5	.6
325.	*	.4	.4	.4	.4	.3	.4	.5	.4	.3	.1	.1	.1	.1	.2	.0	.0	.0	.3	.6	.6
330.	*	.4	.4	.2	.3	.2	.5	.5	.4	.3	.1	.0	.0	.1	.0	.0	.0	.0	.3	.6	.6
335.	*	.4	.5	.1	.3	.0	.6	.5	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.3	.5	.6
340.	*	.4	.3	.1	.3	.1	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.5
345.	*	.5	.3	.1	.2	.1	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	.4
350.	*	.5	.3	.2	.1	.1	.6	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5	.3
355.	*	.5	.4	.1	.1	.1	.6	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4
360.	*	.6	.3	.1	.1	.1	.5	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.5
MAX	*	.8	1.0	1.2	1.3	.7	.6	.7	.6	.5	.7	.7	.6	.7	.5	.8	.9	.7	1.5	.6	.7
DEGR.	*	170	230	265	280	305	335	285	275	25	155	210	190	180	160	150	160	85	220	75	100

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JOB: S15 450&410 LLRT 2030AM

RUN: S15 450&410 LLRT

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																
ANGLE *	(PPM)															
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
0.	*	.8	.9	.6	.8	.6	.5	.4	.8	1.2	.3	.2	.3	.3	.1	.0
5.	*	.7	.8	.5	.6	.6	.5	.4	.8	1.3	.2	.2	.3	.3	.1	.0
10.	*	.7	.8	.5	.5	.4	.5	.3	.6	1.1	.2	.2	.3	.4	.2	.0
15.	*	.8	.7	.5	.5	.4	.4	.3	.6	1.1	.2	.2	.3	.5	.2	.0
20.	*	.8	.7	.5	.5	.4	.4	.3	.5	1.0	.1	.2	.3	.2	.3	.1
25.	*	.7	.7	.5	.5	.5	.5	.4	.5	1.0	.1	.2	.2	.4	.3	.1
30.	*	.7	.7	.4	.4	.3	.4	.3	.4	1.0	.1	.2	.2	.4	.4	.2
35.	*	.7	.7	.4	.3	.3	.1	.1	.5	1.0	.2	.2	.2	.3	.4	.4
40.	*	.7	.5	.4	.3	.3	.2	.1	.3	1.0	.2	.2	.2	.4	.5	.5
45.	*	.7	.5	.4	.2	.2	.2	.1	.5	1.2	.2	.2	.3	.4	.6	.7
50.	*	.6	.5	.4	.2	.2	.3	.0	.5	1.3	.2	.2	.3	.5	.7	.7
55.	*	.6	.5	.4	.2	.2	.2	.0	.4	1.3	.3	.2	.3	.6	.8	.6
60.	*	.6	.6	.4	.2	.2	.2	.0	.5	1.3	.3	.2	.2	.5	.8	.6
65.	*	.6	.5	.4	.2	.2	.2	.0	.4	1.3	.3	.2	.2	.6	.7	.5
70.	*	.6	.4	.4	.2	.2	.2	.0	.5	1.4	.4	.2	.1	.5	.7	.5
75.	*	.6	.4	.4	.3	.2	.1	.0	.4	1.4	.4	.2	.2	.5	.7	.5
80.	*	.6	.4	.4	.3	.2	.1	.0	.4	1.3	.5	.3	.3	.6	.7	.5
85.	*	.5	.4	.4	.3	.2	.1	.0	.5	1.3	.6	.3	.4	.7	.8	.5
90.	*	.5	.4	.4	.3	.2	.1	.0	.5	1.4	.6	.3	.4	.8	.8	.5
95.	*	.6	.5	.5	.2	.1	.2	.0	.5	1.1	.7	.3	.4	.8	.7	.5
100.	*	.7	.5	.5	.2	.2	.2	.0	.4	1.1	.9	.4	.4	.8	.7	.5
105.	*	.5	.6	.5	.2	.2	.2	.0	.4	1.0	.8	.4	.3	.8	.6	.5
110.	*	.5	.6	.5	.2	.2	.2	.0	.5	1.0	1.0	.4	.3	.8	.7	.5
115.	*	.5	.6	.6	.3	.2	.1	.0	.7	1.0	1.0	.4	.2	1.0	.7	.5
120.	*	.5	.6	.5	.3	.2	.0	.0	.7	1.1	1.0	.4	.2	.9	.7	.5
125.	*	.6	.6	.5	.3	.1	.0	.0	.8	1.1	1.1	.4	.2	.8	.7	.5
130.	*	.5	.5	.4	.3	.0	.0	.0	.9	1.2	1.2	.5	.3	.8	.6	.5
135.	*	.5	.5	.4	.1	.0	.0	.0	.8	1.1	1.1	.5	.3	.7	.5	.5
140.	*	.5	.4	.3	.0	.0	.0	.0	.7	.8	1.0	.5	.3	.6	.5	.5
145.	*	.4	.2	.1	.0	.0	.0	.0	.6	.6	.8	.6	.2	.5	.5	.5
150.	*	.2	.1	.1	.0	.0	.0	.0	.6	.5	.6	.4	.2	.5	.5	.5

155.	*	.1	.1	.0	.0	.0	.0	.0	.5	.5	.4	.3	.1	.5	.5	.5	.5
160.	*	.1	.0	.0	.0	.0	.0	.0	.5	.4	.3	.3	.0	.5	.5	.5	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.3	.2	.0	.5	.5	.5	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.2	.0	.5	.6	.6	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.5	.6	.6	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.5	.6	.6	.5
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.6	.5
190.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.1	.0	.6	.6	.6	.6
195.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.1	.0	.0	.6	.7	.7	.6
200.	*	.0	.0	.0	.1	.0	.0	.0	.4	.1	.1	.0	.0	.6	.7	.7	.6
205.	*	.0	.0	.0	.1	.1	.1	.0	.4	.1	.0	.0	.0	.6	.7	.7	.4

1

JOB: S15 450&410 LLRT 2030AM

RUN: S15 450&410 LLRT

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.3	.3	.0	.3	.1	.0	.0	.0	.5	.6	.7	.3
215.	*	.0	.0	.0	.3	.3	.3	.1	.1	.0	.0	.0	.0	.4	.5	.5	.2
220.	*	.0	.0	.0	.5	.3	.3	.3	.1	.0	.0	.0	.0	.2	.3	.3	.2
225.	*	.0	.0	.0	.5	.5	.4	.3	.1	.0	.0	.0	.0	.1	.2	.2	.1
230.	*	.1	.0	.0	.5	.5	.5	.3	.0	.0	.0	.0	.0	.1	.1	.1	.1
235.	*	.1	.0	.0	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
240.	*	.1	.1	.0	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
245.	*	.1	.1	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.1	.1	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.1	.1	.0	.4	.4	.4	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.4	.4	.4	.3	.0	.2	.1	.1	.0	.0	.0	.0	.0
305.	*	.3	.2	.0	.4	.4	.4	.3	.0	.2	.1	.1	.1	.0	.0	.0	.0
310.	*	.3	.2	.1	.4	.4	.4	.3	.0	.3	.1	.1	.1	.0	.0	.0	.0
315.	*	.4	.2	.1	.4	.4	.4	.3	.1	.3	.1	.2	.1	.0	.0	.0	.0
320.	*	.5	.4	.2	.4	.4	.4	.3	.2	.6	.2	.2	.2	.0	.0	.0	.0
325.	*	.5	.3	.2	.4	.4	.4	.3	.3	.7	.3	.3	.2	.0	.0	.0	.0
330.	*	.5	.4	.3	.6	.4	.4	.3	.3	.8	.3	.3	.3	.0	.0	.0	.0
335.	*	.4	.3	.5	.6	.4	.4	.3	.4	.8	.2	.3	.3	.1	.0	.0	.0
340.	*	.3	.4	.6	.7	.5	.4	.3	.6	1.0	.2	.3	.3	.2	.0	.0	.0
345.	*	.3	.6	.7	.7	.5	.4	.3	.6	1.1	.2	.4	.3	.3	.1	.0	.0
350.	*	.4	.7	.6	.8	.5	.5	.4	.7	1.1	.3	.3	.3	.3	.1	.0	.0
355.	*	.7	.8	.6	.8	.6	.5	.4	.7	1.2	.3	.2	.3	.3	.1	.0	.0
360.	*	.8	.9	.6	.8	.6	.5	.4	.8	1.2	.3	.2	.3	.3	.1	.1	.0

MAX	*	.8	.9	.7	.8	.6	.5	.4	.9	1.4	1.2	.6	.4	1.0	.8	.8	.7
DEGR.	*	0	0	345	350	0	0	0	130	70	130	145	85	115	55	75	45

THE HIGHEST CONCENTRATION IS 1.50 PPM AT 220 DEGREES FROM REC18.

THE 2ND HIGHEST CONCENTRATION IS 1.40 PPM AT 70 DEGREES FROM REC29.

THE 3RD HIGHEST CONCENTRATION IS 1.30 PPM AT 280 DEGREES FROM REC4 .

S15 450&410 LLRT	2030PM		60.0321.0.0000.000360.30480000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345217.	468125.	5.		
SE MIDE	345384.	468185.	5.		
NE COR	344925.	468158.	5.		
NE 82N	344898.	468202.	5.		
NE 164N	344846.	468265.	5.		
NE 256N	344789.	468333.	5.		
NE MIDN	344611.	468523.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344529.	468400.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 LLRT			46 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	195 3.2 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
90	77	2.0 195 32.1 1770 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	665 3.2 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	665 3.2 0. 32	29	
1					
EBALL	MD450	AG344859.467845.344399.467145.	2600 3.2 0. 56	29	
1					
EBT	MD450	AG344937.467963.344859.467844.	1740 3.2 0. 56	29	
2					
EBT	MD450	AG344909.467920.344868.467859.	0. 36 3		
90	54	2.0 1740 32.1 1695 1 3			
1					
EBDP	MD450	AG345883.468265.345717.468296.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345717.468296.345553.468296.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345553.468296.345385.468260.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345385.468260.345252.468209.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345252.468209.345112.468113.	2200 3.2 0. 56	29	
1					
EBDP	MD450	AG345112.468113.344938.467965.	2200 3.2 0. 56	29	
1					
WBL	MD450	AG344916.468000.345132.468166.	280 3.1 0. 44	26	
2					
WBL	MD450	AG345024.468083.345126.468161.	0. 24 2		
90	78	2.0 280 32.1 1717 1 3			
1					
WBT	MD450	AG344914.468018.344990.468096.	1355 3.1 0. 56	26	
1					
WBT	MD450	AG344990.468096.345114.468193.	1355 3.1 0. 56	26	
2					
WBT	MD450	AG345000.468104.345104.468185.	0. 36 3		
90	56	2.0 1355 32.1 1695 1 3			
1					
WBR	MD450	AG344909.468152.344968.468134.	165 3.1 0. 32	26	
1					
WBR	MD450	AG344968.468134.345095.468204.	165 3.1 0. 32	26	
1					
WBALL	MD450	AG345117.468193.345250.468264.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345250.468264.345440.468317.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345440.468317.345585.468339.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345585.468339.345739.468339.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345739.468339.345867.468320.	1800 3.1 0. 56	26	
1					
WBDP	MD450	AG344359.467173.344913.468000.	2185 3.1 0. 56	26	
1					

NBL	MD410	AG344945.467976.345160.467717.	555	4.3	0.	32	50
2							
NBL	MD410	AG344992.467919.345088.467803.	0.	12	1		
90	67	2.0 555 32.1 1770 1 3					
1							
NBT&R	MD410	AG344972.468023.345034.467910.	1040	4.3	0.	56	50
1							
NBT&R	MD410	AG345033.467910.345178.467731.	1040	4.3	0.	56	50
2							
NBT&R	MD410	AG345044.467897.345138.467781.	0.	36	3		
90	55	2.0 1040 32.1 1707 1 3					
1							
NBR	MD410	AG345037.468044.345025.467973.	265	4.3	0.	32	50
1							
NBR	MD410	AG345025.467973.345057.467903.	265	4.3	0.	32	50
1							
NBALL	MD410	AG345173.467727.345569.467244.	1595	4.3	0.	56	50
1							
NBDP	MD410	AG344323.468807.344502.468586.	1135	4.3	0.	56	50
1							
NBDP	MD410	AG344502.468586.344647.468441.	1135	4.3	0.	56	50
1							
NBDP	MD410	AG344647.468441.344779.468293.	1135	4.3	0.	56	50
1							
NBDP	MD410	AG344779.468293.344966.468047.	1135	4.3	0.	56	50
1							
SBL	MD410	AG344939.467975.344609.468370.	195	4.3	0.	44	50
2							
SBL	MD410	AG344864.468055.344779.468166.	0.	24	2		
90	78	2.0 195 32.1 1717 1 3					
1							
SBT&R	MD410	AG344896.467966.344583.468350.	1300	4.3	0.	68	50
2							
SBT&R	MD410	AG344836.468040.344692.468216.	0.	48	4		
90	65	2.0 1300 32.1 1707 1 3					
1							
SBR	MD410	AG344828.467881.344811.468027.	275	4.3	0.	32	50
1							
SBR	MD410	AG344811.468027.344753.468131.	275	4.3	0.	32	50
1							
SBALL	MD410	AG344603.468364.344262.468768.	1495	4.3	0.	56	50
1							
SBDP	MD410	AG345520.467202.344896.467969.	1970	4.3	0.	56	50
1.0	04	1000 0Y 5 0 72					



JOB: S15 450&410 LLRT 2030PM  
DATE: 10/07/2007 TIME: 10:41:10.85

RUN: S15 450&410 LLRT

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL MD450	*	344916.0	467970.0	344843.0	467855.0	*	136.	212. AG	195.	3.2	.0	32.0	
2. EBL MD450	*	344882.0	467917.0	344702.5	467627.2	*	341.	212. AG	74.	100.0	.0	12.0	1.11 17.3
3. EBR MD450	*	344985.0	467842.0	344935.0	467859.0	*	53.	289. AG	665.	3.2	.0	32.0	
4. EBR MD450	*	344935.0	467859.0	344879.0	467841.0	*	59.	252. AG	665.	3.2	.0	32.0	
5. EBALL MD450	*	344859.0	467845.0	344399.0	467145.0	*	838.	213. AG	2600.	3.2	.0	56.0	
6. EBT MD450	*	344937.0	467963.0	344859.0	467844.0	*	142.	213. AG	1740.	3.2	.0	56.0	
7. EBT MD450	*	344909.0	467920.0	344768.0	467710.3	*	253.	214. AG	155.	100.0	.0	36.0	.96 12.8
8. EBDP MD450	*	345883.0	468265.0	345717.0	468296.0	*	169.	281. AG	2200.	3.2	.0	56.0	
9. EBDP MD450	*	345717.0	468296.0	345553.0	468296.0	*	164.	270. AG	2200.	3.2	.0	56.0	
10. EBDP MD450	*	345553.0	468296.0	345385.0	468260.0	*	172.	258. AG	2200.	3.2	.0	56.0	
11. EBDP MD450	*	345385.0	468260.0	345252.0	468209.0	*	142.	249. AG	2200.	3.2	.0	56.0	
12. EBDP MD450	*	345252.0	468209.0	345112.0	468113.0	*	170.	236. AG	2200.	3.2	.0	56.0	
13. EBDP MD450	*	345112.0	468113.0	344938.0	467965.0	*	228.	230. AG	2200.	3.2	.0	56.0	
14. WBL MD450	*	344916.0	468000.0	345132.0	468166.0	*	272.	52. AG	280.	3.1	.0	44.0	
15. WBL MD450	*	345024.0	468083.0	345099.0	468140.3	*	94.	53. AG	149.	100.0	.0	24.0	.92 4.8
16. WBT MD450	*	344914.0	468018.0	344990.0	468096.0	*	109.	44. AG	1355.	3.1	.0	56.0	
17. WBT MD450	*	344990.0	468096.0	345114.0	468193.0	*	157.	52. AG	1355.	3.1	.0	56.0	
18. WBT MD450	*	345000.0	468104.0	345116.3	468194.6	*	147.	52. AG	161.	100.0	.0	36.0	.80 7.5
19. WBR MD450	*	344909.0	468152.0	344968.0	468134.0	*	62.	107. AG	165.	3.1	.0	32.0	
20. WBR MD450	*	344968.0	468134.0	345095.0	468204.0	*	145.	61. AG	165.	3.1	.0	32.0	
21. WBALL MD450	*	345117.0	468193.0	345250.0	468264.0	*	151.	62. AG	1800.	3.1	.0	56.0	
22. WBALL MD450	*	345250.0	468264.0	345440.0	468317.0	*	197.	74. AG	1800.	3.1	.0	56.0	
23. WBALL MD450	*	345440.0	468317.0	345585.0	468339.0	*	147.	81. AG	1800.	3.1	.0	56.0	
24. WBALL MD450	*	345585.0	468339.0	345739.0	468339.0	*	154.	90. AG	1800.	3.1	.0	56.0	
25. WBALL MD450	*	345739.0	468339.0	345867.0	468320.0	*	129.	98. AG	1800.	3.1	.0	56.0	
26. WBDP MD450	*	344359.0	467173.0	344913.0	468000.0	*	995.	34. AG	2185.	3.1	.0	56.0	
27. NBL MD410	*	344945.0	467976.0	345160.0	467717.0	*	337.	140. AG	555.	4.3	.0	32.0	
28. NBL MD410	*	344992.0	467919.0	346352.9	466274.3	*	2135.	140. AG	64.	100.0	.0	12.0	1.49 108.4
29. NBT&R MD410	*	344972.0	468023.0	345034.0	467910.0	*	129.	151. AG	1040.	4.3	.0	56.0	
30. NBT&R MD410	*	345033.0	467910.0	345178.0	467731.0	*	230.	141. AG	1040.	4.3	.0	56.0	
31. NBT&R MD410	*	345044.0	467897.0	345109.5	467816.1	*	104.	141. AG	158.	100.0	.0	36.0	.59 5.3
32. NBR MD410	*	345037.0	468044.0	345025.0	467973.0	*	72.	190. AG	265.	4.3	.0	32.0	
33. NBR MD410	*	345025.0	467973.0	345057.0	467903.0	*	77.	155. AG	265.	4.3	.0	32.0	
34. NBALL MD410	*	345173.0	467727.0	345569.0	467244.0	*	625.	141. AG	1595.	4.3	.0	56.0	
35. NBDP MD410	*	344323.0	468807.0	344502.0	468586.0	*	284.	141. AG	1135.	4.3	.0	56.0	
36. NBDP MD410	*	344502.0	468586.0	344647.0	468441.0	*	205.	135. AG	1135.	4.3	.0	56.0	
37. NBDP MD410	*	344647.0	468441.0	344779.0	468293.0	*	198.	138. AG	1135.	4.3	.0	56.0	
38. NBDP MD410	*	344779.0	468293.0	344966.0	468047.0	*	309.	143. AG	1135.	4.3	.0	56.0	
39. SBL MD410	*	344939.0	467975.0	344609.0	468370.0	*	515.	320. AG	195.	4.3	.0	44.0	
40. SBL MD410	*	344864.0	468055.0	344837.2	468090.0	*	44.	323. AG	149.	100.0	.0	24.0	.64 2.2
41. SBT&R MD410	*	344896.0	467966.0	344583.0	468350.0	*	495.	321. AG	1300.	4.3	.0	68.0	
42. SBT&R MD410	*	344836.0	468040.0	344753.1	468141.3	*	131.	321. AG	249.	100.0	.0	48.0	.82 6.6
43. SBR MD410	*	344828.0	467881.0	344811.0	468027.0	*	147.	353. AG	275.	4.3	.0	32.0	
44. SBR MD410	*	344811.0	468027.0	344753.0	468131.0	*	119.	331. AG	275.	4.3	.0	32.0	

JOB: S15 450&410 LLRT 2030PM  
DATE: 10/07/2007 TIME: 10:41:10.85

RUN: S15 450&410 LLRT

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. SBALL MD410	*	344603.0	468364.0	344262.0	468768.0	*	529.	320. AG	1495.	4.3	.0	56.0	
46. SBDP MD410	*	345520.0	467202.0	344896.0	467969.0	*	989.	321. AG	1970.	4.3	.0	56.0	

JOB: S15 450&410 LLRT 2030PM  
DATE: 10/07/2007 TIME: 10:41:10.85

RUN: S15 450&410 LLRT

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL MD450	*	90	77	2.0	195	1770	32.10	1	3
7. EBT MD450	*	90	54	2.0	1740	1695	32.10	1	3
15. WBL MD450	*	90	78	2.0	280	1717	32.10	1	3
18. WBT MD450	*	90	56	2.0	1355	1695	32.10	1	3
28. NBL MD410	*	90	67	2.0	555	1770	32.10	1	3
31. NBT&R MD410	*	90	55	2.0	1040	1707	32.10	1	3
40. SBL MD410	*	90	78	2.0	195	1717	32.10	1	3
42. SBT&R MD410	*	90	65	2.0	1300	1707	32.10	1	3

RECEPTOR LOCATIONS

\* COORDINATES (FT) \*

RECEPTOR	*	X	Y	Z	*
1. SE COR	*	345046.0	467978.0	5.0	*
2. SE 82S	*	345063.0	467929.0	5.0	*
3. SE 164S	*	345112.0	467861.0	5.0	*
4. SE 256S	*	345164.0	467790.0	5.0	*
5. SE MIDS	*	345298.0	467635.0	5.0	*
6. SE 82E	*	345084.0	468028.0	5.0	*
7. SE 164E	*	345151.0	468080.0	5.0	*
8. SE 256E	*	345217.0	468125.0	5.0	*
9. SE MIDE	*	345384.0	468185.0	5.0	*
10. NE COR	*	344925.0	468158.0	5.0	*
11. NE 82N	*	344898.0	468202.0	5.0	*
12. NE 164N	*	344846.0	468265.0	5.0	*
13. NE 256N	*	344789.0	468333.0	5.0	*
14. NE MIDN	*	344611.0	468523.0	5.0	*
15. NE 82E	*	344961.0	468147.0	5.0	*
16. NE 164E	*	345032.0	468203.0	5.0	*
17. NE 256E	*	345098.0	468243.0	5.0	*
18. NE MIDE	*	345278.0	468327.0	5.0	*
19. SW COR	*	344946.0	467836.0	5.0	*
20. SW 82S	*	344986.0	467806.0	5.0	*
21. SW 164S	*	345027.0	467756.0	5.0	*
22. SW 256S	*	345079.0	467688.0	5.0	*
23. SW MIDS	*	345194.0	467537.0	5.0	*
24. SW 82W	*	344871.0	467799.0	5.0	*
25. SW 164W	*	344839.0	467741.0	5.0	*
26. SW 256W	*	344795.0	467668.0	5.0	*
27. SW MIDW	*	344696.0	467482.0	5.0	*
28. NW COR	*	344818.0	467971.0	5.0	*
29. NW 82N	*	344778.0	468064.0	5.0	*
30. NW 164N	*	344713.0	468148.0	5.0	*
31. NW 256N	*	344643.0	468240.0	5.0	*
32. NW MIDN	*	344529.0	468400.0	5.0	*
33. NW 82W	*	344801.0	467901.0	5.0	*
34. NW 164W	*	344764.0	467831.0	5.0	*
35. NW 256W	*	344712.0	467752.0	5.0	*
36. NW MIDW	*	344574.0	467564.0	5.0	*

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JOB: S15 450&410 LLRT 2030PM

RUN: S15 450&410 LLRT

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.3	.1	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
5.	*	.4	.3	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
10.	*	.3	.3	.0	.0	.0	.5	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
15.	*	.3	.3	.0	.0	.0	.4	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
20.	*	.3	.0	.0	.0	.0	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6
25.	*	.4	.1	.0	.0	.0	.2	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4
30.	*	.2	.1	.0	.0	.0	.2	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4
35.	*	.2	.0	.0	.0	.0	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
40.	*	.1	.0	.0	.0	.0	.1	.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
45.	*	.1	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.7
50.	*	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7
55.	*	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.5	.7
60.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.5	.7
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	.1	.0	.0	.6	.6
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	.1	.1	.0	.6	.6
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.3	.1	.2	.0	.6	.6
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.5	.2	.2	.0	.7	.6
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.6	.2	.3	.1	.6	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.6	.3	.2	.2	.6	.6
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.6	.5	.2	.2	.5	.6
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.6	.5	.2	.2	.6	.5
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.0	.7	.4	.2	.2	.6	.5
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.7	.5	.2	.2	.4	.5
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.7	.5	.2	.2	.5	.6
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.6	.5	.2	.3	.5	.6
125.	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	.3	.1	.1	.5	.6	.2	.3	.5	.6
130.	*	.0	.0	.2	.2	.1	.0	.0	.0	.0	.3	.3	.1	.2	.1	.5	.6	.2	.5	.6
135.	*	.0	.4	.3	.3	.2	.0	.0	.0	.0	.2	.3	.2	.2	.5	.6	.2	.2	.5	.6
140.	*	.3	.5	.4	.5	.3	.0	.0	.0	.0	.2	.3	.1	.1	.2	.4	.6	.2	.3	.5
145.	*	.5	.6	.4	.5	.4	.0	.0	.0	.0	.5	.4	.3	.2	.6	.6	.3	.2	.1	.3
150.	*	.5	.6	.5	.5	.4	.3	.0	.0	.0	.5	.4	.3	.3	.4	.7	.3	.2	.1	.2
155.	*	.6	.8	.6	.5	.5	.3	.0	.0	.0	.5	.4	.3	.3	.4	.6	.7	.3	.2	.1
160.	*	.5	.8	.6	.5	.5	.3	.2	.0	.0	.5	.2	.3	.4	.4	.5	.8	.4	.2	.0
165.	*	.5	.8	.8	.6	.5	.3	.2	.0	.0	.4	.2	.3	.4	.3	.3	.8	.6	.2	.0
170.	*	.5	.8	.7	.5	.5	.4	.1	.0	.0	.5	.3	.5	.4	.3	.4	.7	.6	.2	.0
175.	*	.6	.8	.6	.5	.4	.4	.1	.1	.0	.5	.4	.6	.5	.3	.4	.7	.7	.2	.0
180.	*	.6	.8	.7	.4	.4	.4	.1	.1	.0	.5	.5	.6	.6	.3	.4	.7	.7	.2	.0
185.	*	.5	.7	.7	.4	.4	.4	.2	.1	.0	.5	.4	.8	.5	.3	.5	.7	.7	.2	.0
190.	*	.5	.6	.7	.3	.4	.3	.2	.1	.0	.5	.7	.8	.5	.2	.5	.6	.7	.3	.0

195.	*	.4	.6	.7	.3	.4	.2	.2	.1	.0	.5	.7	.6	.4	.2	.6	.7	.7	.3	.0	.0
200.	*	.3	.6	.7	.3	.4	.2	.2	.1	.0	.5	.7	.6	.4	.2	.5	.8	.6	.3	.0	.0
205.	*	.3	.6	.7	.3	.4	.2	.2	.2	.0	.7	.7	.4	.3	.2	.5	.5	.8	.3	.0	.0

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JOB: S15 450&410 LLRT 2030PM

RUN: S15 450&410 LLRT

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.4	.5	.7	.3	.4	.2	.2	.2	.0	.7	.6	.4	.2	.2	.4	.4	.9	.3	.1	.0
215.	*	.4	.6	.7	.3	.4	.4	.2	.1	.0	.5	.4	.3	.2	.2	.5	.4	.8	.3	.1	.1
220.	*	.5	.5	.7	.3	.4	.5	.4	.2	.0	.5	.4	.3	.2	.3	.4	.1	.5	.3	.3	.1
225.	*	.5	.7	.8	.3	.4	.5	.4	.3	.0	.5	.4	.3	.2	.3	.5	.3	.3	.3	.4	.2
230.	*	.7	.8	.8	.4	.4	.6	.5	.4	.0	.5	.4	.3	.2	.3	.4	.2	.2	.2	.4	.2
235.	*	.8	.7	.9	.4	.4	.6	.4	.3	.0	.5	.4	.2	.2	.2	.5	.2	.2	.2	.6	.2
240.	*	.8	.7	.9	.4	.4	.5	.3	.3	.0	.4	.4	.2	.2	.2	.5	.2	.1	.2	.6	.3
245.	*	.5	.8	1.0	.4	.4	.5	.3	.1	.0	.4	.4	.2	.2	.2	.5	.2	.1	.1	.6	.3
250.	*	.6	.7	1.0	.4	.4	.5	.2	.3	.1	.4	.3	.2	.2	.2	.4	.2	.1	.0	.6	.3
255.	*	.6	.6	1.0	.4	.4	.4	.2	.5	.2	.4	.3	.2	.2	.2	.4	.2	.1	.0	.6	.4
260.	*	.6	.5	1.1	.5	.4	.2	.4	.5	.2	.4	.3	.2	.2	.3	.4	.2	.0	.0	.6	.5
265.	*	.4	.5	1.0	.6	.4	.3	.4	.5	.2	.3	.2	.2	.3	.3	.4	.2	.0	.0	.5	.5
270.	*	.4	.5	1.0	.5	.4	.4	.5	.5	.3	.4	.2	.2	.2	.3	.3	.1	.0	.0	.5	.5
275.	*	.5	.4	1.0	.7	.4	.4	.5	.6	.3	.4	.2	.2	.2	.3	.3	.1	.0	.0	.7	.5
280.	*	.4	.3	1.1	.7	.4	.4	.6	.5	.2	.3	.2	.2	.2	.3	.3	.0	.0	.0	.7	.5
285.	*	.4	.6	.9	.7	.4	.5	.6	.5	.1	.3	.3	.2	.3	.3	.2	.0	.0	.0	.6	.5
290.	*	.4	.5	.7	.8	.5	.5	.6	.4	.1	.3	.2	.2	.3	.3	.2	.0	.0	.0	.6	.4
295.	*	.4	.4	.8	.8	.5	.5	.6	.3	.1	.3	.1	.3	.3	.3	.1	.0	.0	.0	.6	.4
300.	*	.5	.4	.7	.7	.4	.4	.7	.3	.1	.2	.1	.3	.3	.3	.1	.0	.0	.0	.6	.4
305.	*	.5	.4	.8	.8	.4	.5	.7	.3	.2	.2	.1	.3	.3	.3	.1	.0	.0	.0	.6	.5
310.	*	.5	.4	.6	.8	.4	.5	.6	.4	.2	.2	.2	.3	.2	.2	.1	.0	.0	.0	.6	.5
315.	*	.3	.5	.6	.5	.5	.4	.6	.3	.2	.1	.2	.2	.1	.2	.1	.0	.0	.0	.7	.6
320.	*	.2	.3	.4	.4	.1	.4	.6	.3	.2	.1	.1	.1	.1	.2	.0	.0	.0	.0	.7	.7
325.	*	.2	.3	.3	.3	.1	.7	.5	.3	.2	.1	.0	.1	.1	.0	.0	.0	.0	.0	.7	.7
330.	*	.2	.3	.1	.2	.0	.7	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8
335.	*	.2	.3	.2	.2	.0	.7	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
340.	*	.3	.2	.2	.2	.0	.7	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.5
345.	*	.4	.3	.2	.1	.0	.7	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3
350.	*	.4	.3	.3	.0	.0	.7	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
355.	*	.4	.3	.1	.0	.0	.7	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
360.	*	.5	.3	.1	.0	.0	.5	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
MAX	*	.8	.8	1.1	.8	.5	.7	.7	.6	.3	.7	.7	.8	.6	.4	.7	.8	.9	.3	.8	.8
DEGR.	*	235	155	260	305	155	325	300	275	0	205	190	185	180	155	105	160	210	120	340	330

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JOB: S15 450&410 LLRT 2030PM

RUN: S15 450&410 LLRT

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																	
ANGLE *	(PPM)																
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
0.	*	.6	.6	.5	1.0	1.0	.9	.3	.8	1.1	.2	.2	.3	.3	.2	.1	.0
5.	*	.6	.6	.5	.9	1.0	.9	.4	.6	1.1	.2	.2	.3	.3	.2	.1	.0
10.	*	.6	.6	.5	.8	.9	.9	.5	.7	1.1	.2	.2	.3	.3	.2	.2	.0
15.	*	.7	.6	.4	.7	.8	.8	.5	.5	1.1	.2	.3	.3	.3	.3	.2	.0
20.	*	.7	.6	.4	.8	.7	.7	.5	.5	1.1	.2	.3	.3	.2	.3	.2	.1
25.	*	.6	.4	.4	.6	.5	.7	.4	.4	1.0	.2	.3	.3	.2	.3	.3	.1
30.	*	.6	.4	.4	.6	.5	.4	.2	.4	1.0	.2	.3	.3	.3	.3	.2	.1
35.	*	.6	.4	.4	.4	.3	.3	.2	.3	1.0	.2	.3	.3	.2	.2	.4	.4
40.	*	.6	.4	.4	.4	.2	.3	.0	.2	1.0	.2	.3	.3	.3	.3	.4	.5
45.	*	.6	.4	.4	.1	.1	.2	.0	.2	1.1	.3	.3	.3	.5	.4	.6	.6
50.	*	.6	.5	.4	.1	.1	.1	.0	.2	1.1	.3	.3	.3	.5	.8	.7	.6
55.	*	.6	.4	.4	.1	.2	.1	.0	.2	1.2	.3	.2	.3	.5	.8	.8	.6
60.	*	.6	.3	.4	.2	.2	.1	.0	.3	1.3	.3	.2	.3	.4	.8	.9	.7
65.	*	.5	.3	.4	.2	.2	.1	.0	.4	1.2	.3	.2	.2	.6	.8	.9	.4
70.	*	.4	.4	.4	.2	.2	.1	.0	.3	1.2	.4	.2	.2	.6	.9	.9	.4
75.	*	.4	.4	.4	.2	.1	.1	.0	.3	1.2	.4	.2	.2	.5	1.0	1.0	.4
80.	*	.5	.4	.4	.2	.1	.1	.0	.3	1.2	.5	.2	.2	.6	.9	.9	.4
85.	*	.5	.5	.4	.2	.1	.1	.0	.4	1.1	.6	.2	.3	.7	.8	.9	.3
90.	*	.5	.5	.4	.2	.1	.1	.0	.4	1.1	.7	.3	.3	.7	.8	.9	.3
95.	*	.4	.5	.5	.1	.1	.1	.0	.4	1.1	.8	.3	.3	.8	.8	.9	.3
100.	*	.5	.5	.5	.1	.1	.1	.0	.4	1.1	.8	.3	.3	.8	.8	.8	.3
105.	*	.5	.5	.5	.2	.1	.1	.0	.4	1.1	.7	.3	.3	.8	.8	.8	.3
110.	*	.5	.5	.5	.2	.2	.1	.0	.6	1.0	.8	.5	.2	.8	.9	.8	.3
115.	*	.6	.5	.5	.3	.2	.1	.0	.7	1.0	.9	.4	.3	.8	.9	.8	.3
120.	*	.6	.6	.5	.3	.1	.0	.0	.7	.9	1.0	.4	.3	.8	.9	.8	.3
125.	*	.6	.6	.5	.3	.1	.0	.0	.6	1.1	1.0	.5	.2	.8	.9	.6	.3
130.	*	.6	.6	.5	.2	.1	.0	.0	.6	1.1	1.0	.6	.3	.9	.9	.6	.3
135.	*	.6	.5	.3	.1	.0	.0	.0	.7	1.1	1.0	.6	.4	.7	.8	.6	.3
140.	*	.5	.4	.3	.0	.0	.0	.0	.8	1.0	1.0	.6	.5	.7	.8	.6	.3
145.	*	.2	.2	.1	.0	.0	.0	.0	.6	.6	.8	.5	.3	.6	.8	.5	.3
150.	*	.2	.1	.1	.0	.0	.0	.0	.7	.5	.8	.5	.2	.6	.7	.5	.3

155.	*	.1	.1	.1	.0	.0	.0	.0	.6	.5	.5	.4	.1	.6	.7	.5	.3
160.	*	.1	.1	.0	.0	.0	.0	.0	.6	.4	.4	.3	.1	.6	.7	.5	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	.5	.4	.1	.0	.6	.7	.5	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.4	.1	.0	.7	.7	.6	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.1	.0	.7	.8	.6	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.7	.7	.6	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.7	.3	.2	.0	.0	.8	.7	.6	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.6	.2	.2	.0	.0	.8	.7	.5	.5
195.	*	.0	.0	.0	.1	.0	.0	.0	.6	.2	.0	.0	.0	.7	.7	.5	.4
200.	*	.0	.0	.0	.1	.1	.1	.0	.5	.2	.0	.0	.0	.7	.6	.5	.4
205.	*	.0	.0	.0	.3	.1	.1	.0	.3	.2	.0	.0	.0	.6	.5	.4	.3

1

JOB: S15 450&410 LLRT 2030PM

RUN: S15 450&410 LLRT

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36
210.	*	.0	.0	.0	.4	.2	.1	.1	.2	.0	.0	.0	.3	.4	.4	.3
215.	*	.0	.0	.0	.5	.3	.3	.1	.2	.0	.0	.0	.3	.4	.4	.2
220.	*	.0	.0	.0	.7	.4	.4	.1	.1	.0	.0	.0	.2	.3	.3	.1
225.	*	.1	.0	.0	.9	.5	.4	.3	.0	.0	.0	.0	.1	.2	.2	.1
230.	*	.1	.0	.0	.9	.6	.4	.3	.0	.0	.0	.0	.1	.1	.1	.0
235.	*	.2	.1	.0	1.0	.6	.4	.3	.0	.0	.0	.0	.0	.1	.1	.0
240.	*	.2	.1	.0	.9	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.1	.0	.9	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.1	.0	.9	.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.1	.0	.9	.8	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.1	.0	.9	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.1	.0	.9	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.1	.0	.9	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.2	.0	.8	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.2	.0	.8	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.2	.0	.8	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.2	.0	.8	.8	.4	.3	.0	.0	.1	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.8	.8	.4	.3	.0	.2	.1	.1	.0	.0	.0	.0
300.	*	.2	.1	.1	.8	.8	.4	.3	.0	.2	.1	.1	.0	.0	.0	.0
305.	*	.3	.2	.1	.8	.8	.4	.3	.0	.2	.1	.1	.1	.0	.0	.0
310.	*	.3	.2	.2	.8	.8	.5	.3	.0	.3	.1	.1	.1	.0	.0	.0
315.	*	.5	.3	.2	.8	.8	.5	.3	.1	.4	.2	.3	.2	.0	.0	.0
320.	*	.5	.4	.2	.8	.8	.5	.3	.2	.5	.3	.3	.2	.0	.0	.0
325.	*	.6	.4	.2	.8	.8	.6	.3	.3	.6	.3	.3	.2	.0	.0	.0
330.	*	.5	.4	.3	.9	.8	.6	.3	.3	.9	.3	.3	.3	.0	.0	.0
335.	*	.4	.3	.4	1.1	.8	.6	.3	.5	1.0	.4	.3	.3	.2	.0	.0
340.	*	.3	.4	.4	1.1	.9	.6	.3	.7	1.1	.3	.3	.3	.2	.0	.0
345.	*	.3	.5	.4	1.1	1.0	.7	.3	.7	1.1	.2	.3	.3	.3	.0	.0
350.	*	.3	.5	.5	1.0	1.0	.8	.3	.7	1.1	.2	.3	.3	.3	.2	.0
355.	*	.6	.6	.5	1.0	1.0	.8	.3	.7	1.1	.2	.2	.2	.3	.2	.0
360.	*	.6	.6	.5	1.0	1.0	.9	.3	.8	1.1	.2	.2	.3	.3	.2	.1
MAX	*	.7	.6	.5	1.1	1.0	.9	.5	.8	1.3	1.0	.6	.5	.9	1.0	.7
DEGR.	*	15	0	0	335	0	10	0	60	120	130	140	130	75	75	60

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 60 DEGREES FROM REC29.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 260 DEGREES FROM REC3 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 335 DEGREES FROM REC24.

S15 450&410 HLRT 2030AM			60.0321.0.0000.000360.30480000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345217.	468125.	5.		
SE MIDE	345365.	468217.	5.		
NE COR	344925.	468158.	5.		
NE 82N	344898.	468202.	5.		
NE 164N	344846.	468265.	5.		
NE 256N	344789.	468333.	5.		
NE MIDN	344611.	468523.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344529.	468400.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 HLRT 2030AM			45 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	280 3.0 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
110	93	2.0 280 32.1 1770 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	455 3.0 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	455 3.0 0. 32	29	
1					
EBALL	MD450	AG344859.467845.344399.467145.	1405 3.0 0. 56	29	
1					
EBT	MD450	AG344937.467963.344859.467844.	670 3.0 0. 56	29	
2					
EBT	MD450	AG344909.467920.344868.467859.	0. 36 3		
110	74	2.0 670 32.1 1695 1 3			
1					
EBDP	MD450	AG345883.468265.345717.468296.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345717.468296.345553.468296.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345553.468296.345385.468260.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345385.468260.345252.468209.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345252.468209.345112.468113.	1290 3.0 0. 56	29	
1					
EBDP	MD450	AG345112.468113.344938.467965.	1290 3.0 0. 56	29	
1					
WBL	MD450	AG344916.468000.345132.468166.	470 3.2 0. 44	26	
2					
WBL	MD450	AG345024.468083.345126.468161.	0. 24 2		
110	86	2.0 470 32.1 1717 1 3			
1					
WBT	MD450	AG344914.468018.344990.468096.	2090 3.2 0. 56	26	
1					
WBT	MD450	AG344990.468096.345114.468193.	2090 3.2 0. 56	26	
2					
WBT	MD450	AG345000.468104.345104.468185.	0. 36 3		
110	67	2.0 2090 32.1 1695 1 3			
1					
WBR	MD450	AG344909.468152.344968.468134.	135 3.2 0. 32	26	
1					
WBR	MD450	AG344968.468134.345095.468204.	135 3.2 0. 32	26	
1					
WBALL	MD450	AG345117.468193.345250.468264.	2695 3.2 0. 56	26	
1					
WBALL	MD450	AG345250.468264.345440.468317.	2695 3.2 0. 56	26	
1					
WBALL	MD450	AG345440.468317.345585.468339.	2695 3.2 0. 56	26	
1					
WBALL	MD450	AG345585.468339.345739.468339.	2695 3.2 0. 56	26	
1					
WBALL	MD450	AG345739.468339.345867.468320.	2695 3.2 0. 56	26	
1					
WBDP	MD450	AG344359.467173.344913.468000.	3110 3.2 0. 56	26	
1					

NBR	MD410	AG345037.468044.345025.467973.	440	3.7	0.	32	50
1							
NBR	MD410	AG345025.467973.345057.467903.	440	3.7	0.	32	50
1							
SBL	MD410	AG344939.467975.344609.468370.	180	3.7	0.	44	50
2							
SBL	MD410	AG344864.468055.344779.468166.	0.	24		2	
110	93	2.0 180 32.1 1717 1 3					
1							
SBT&R	MD410	AG344896.467966.344583.468350.	995	3.7	0.	68	50
2							
SBT&R	MD410	AG344836.468040.344692.468216.	0.	48		4	
110	87	2.0 995 32.1 1707 1 3					
1							
SBR	MD410	AG344855.467917.344814.468066.	250	3.7	0.	32	50
1							
SBALL	MD410	AG344603.468364.344262.468768.	1175	3.7	0.	56	50
1							
SBDP	MD410	AG345520.467202.344896.467969.	1670	3.7	0.	56	50
1							
NBT&R	MD410	AG344970.468008.345213.467696.	1505	3.7	0.	56	50
2							
NBT&R	MD410	AG345019.467944.345124.467810.	0.	36		3	
110	71	2.0 1505 32.1 1707 1 3					
1							
NBL	MD410	AG344965.467976.345197.467681.	770	3.7	0.	32	50
2							
NBL	MD410	AG345002.467930.345081.467829.	0.	12		1	
110	77	2.0 770 32.1 1770 1 3					
1							
NBALL	MD410	AG345210.467693.345411.467444.	2275	3.7	0.	68	50
1							
NBALL	MD410	AG345411.467444.345563.467237.	2275	3.7	0.	68	50
1							
NBDP	MD410	AG344322.468804.344503.468583.	1480	3.7	0.	56	50
1							
NBDP	MD410	AG344503.468583.344664.468430.	1480	3.7	0.	56	50
1							
NBDP	MD410	AG344664.468430.344843.468219.	1480	3.7	0.	56	50
1							
NBDP	MD410	AG344843.468219.344970.468013.	1480	3.7	0.	56	50
1.0	04 1000	OY 5 0 72					

JOB: S15 450&410 HLRT 2030AM  
 DATE: 10/07/2007 TIME: 12:19:18.43

RUN: S15 450&410 HLRT 2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. EBL MD450	*	344916.0	467970.0	344843.0	467855.0	*	136.	212. AG	280.	3.0	.0	32.0	
2. EBL MD450	*	344882.0	467917.0	344389.3	467121.6	*	936.	212. AG	73.	100.0	.0	12.0	1.34 47.5
3. EBR MD450	*	344985.0	467842.0	344935.0	467859.0	*	53.	289. AG	455.	3.0	.0	32.0	
4. EBR MD450	*	344935.0	467859.0	344879.0	467841.0	*	59.	252. AG	455.	3.0	.0	32.0	
5. EBALL MD450	*	344859.0	467845.0	344399.0	467145.0	*	838.	213. AG	1405.	3.0	.0	56.0	
6. EBT MD450	*	344937.0	467963.0	344859.0	467844.0	*	142.	213. AG	670.	3.0	.0	56.0	
7. EBT MD450	*	344909.0	467920.0	344858.7	467845.1	*	90.	214. AG	174.	100.0	.0	36.0	.45 4.6
8. EBDP MD450	*	345883.0	468265.0	345717.0	468296.0	*	169.	281. AG	1290.	3.0	.0	56.0	
9. EBDP MD450	*	345717.0	468296.0	345553.0	468296.0	*	164.	270. AG	1290.	3.0	.0	56.0	
10. EBDP MD450	*	345553.0	468296.0	345385.0	468260.0	*	172.	258. AG	1290.	3.0	.0	56.0	
11. EBDP MD450	*	345385.0	468260.0	345252.0	468209.0	*	142.	249. AG	1290.	3.0	.0	56.0	
12. EBDP MD450	*	345252.0	468209.0	345112.0	468113.0	*	170.	236. AG	1290.	3.0	.0	56.0	
13. EBDP MD450	*	345112.0	468113.0	344938.0	467965.0	*	228.	230. AG	1290.	3.0	.0	56.0	
14. WBL MD450	*	344916.0	468000.0	345132.0	468166.0	*	272.	52. AG	470.	3.2	.0	44.0	
15. WBL MD450	*	345024.0	468083.0	345117.4	468154.4	*	118.	53. AG	135.	100.0	.0	24.0	.75 6.0
16. WBT MD450	*	344914.0	468018.0	344990.0	468096.0	*	109.	44. AG	2090.	3.2	.0	56.0	
17. WBT MD450	*	344990.0	468096.0	345114.0	468193.0	*	157.	52. AG	2090.	3.2	.0	56.0	
18. WBT MD450	*	345000.0	468104.0	346055.5	468926.5	*	1338.	52. AG	157.	100.0	.0	36.0	1.16 68.0
19. WBR MD450	*	344909.0	468152.0	344968.0	468134.0	*	62.	107. AG	135.	3.2	.0	32.0	
20. WBR MD450	*	344968.0	468134.0	345095.0	468204.0	*	145.	61. AG	135.	3.2	.0	32.0	
21. WBALL MD450	*	345117.0	468193.0	345250.0	468264.0	*	151.	62. AG	2695.	3.2	.0	56.0	
22. WBALL MD450	*	345250.0	468264.0	345440.0	468317.0	*	197.	74. AG	2695.	3.2	.0	56.0	
23. WBALL MD450	*	345440.0	468317.0	345585.0	468339.0	*	147.	81. AG	2695.	3.2	.0	56.0	
24. WBALL MD450	*	345585.0	468339.0	345739.0	468339.0	*	154.	90. AG	2695.	3.2	.0	56.0	
25. WBALL MD450	*	345739.0	468339.0	345867.0	468320.0	*	129.	98. AG	2695.	3.2	.0	56.0	
26. WBDP MD450	*	344359.0	467173.0	344913.0	468000.0	*	995.	34. AG	3110.	3.2	.0	56.0	
27. NBR MD410	*	345037.0	468044.0	345025.0	467973.0	*	72.	190. AG	440.	3.7	.0	32.0	
28. NBR MD410	*	345025.0	467973.0	345057.0	467903.0	*	77.	155. AG	440.	3.7	.0	32.0	
29. SBL MD410	*	344939.0	467975.0	344609.0	468370.0	*	515.	320. AG	180.	3.7	.0	44.0	
30. SBL MD410	*	344864.0	468055.0	344836.2	468091.4	*	46.	323. AG	146.	100.0	.0	24.0	.45 2.3
31. SBT&R MD410	*	344896.0	467966.0	344583.0	468350.0	*	495.	321. AG	995.	3.7	.0	68.0	
32. SBT&R MD410	*	344836.0	468040.0	344748.2	468147.3	*	139.	321. AG	272.	100.0	.0	48.0	.84 7.0
33. SBR MD410	*	344855.0	467917.0	344814.0	468066.0	*	155.	345. AG	250.	3.7	.0	32.0	
34. SBALL MD410	*	344603.0	468364.0	344262.0	468768.0	*	529.	320. AG	1175.	3.7	.0	56.0	
35. SBDP MD410	*	345520.0	467202.0	344896.0	467969.0	*	989.	321. AG	1670.	3.7	.0	56.0	
36. NBT&R MD410	*	344970.0	468008.0	345213.0	467696.0	*	395.	142. AG	1505.	3.7	.0	56.0	
37. NBT&R MD410	*	345019.0	467944.0	345169.7	467751.7	*	244.	142. AG	167.	100.0	.0	36.0	.92 12.4
38. NBL MD410	*	344965.0	467976.0	345197.0	467681.0	*	375.	142. AG	770.	3.7	.0	32.0	
39. NBL MD410	*	345002.0	467930.0	347152.2	465181.2	*	3490.	142. AG	60.	100.0	.0	12.0	1.65 177.3
40. NBALL MD410	*	345210.0	467693.0	345411.0	467444.0	*	320.	141. AG	2275.	3.7	.0	68.0	
41. NBALL MD410	*	345411.0	467444.0	345563.0	467237.0	*	257.	144. AG	2275.	3.7	.0	68.0	
42. NBDP MD410	*	344322.0	468804.0	344503.0	468583.0	*	286.	141. AG	1480.	3.7	.0	56.0	
43. NBDP MD410	*	344503.0	468583.0	344664.0	468430.0	*	222.	134. AG	1480.	3.7	.0	56.0	
44. NBDP MD410	*	344664.0	468430.0	344843.0	468219.0	*	277.	140. AG	1480.	3.7	.0	56.0	

JOB: S15 450&410 HLRT 2030AM  
 DATE: 10/07/2007 TIME: 12:19:18.43

RUN: S15 450&410 HLRT 2030AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. NBDP MD410	*	344843.0	468219.0	344970.0	468013.0	*	242.	148. AG	1480.	3.7	.0	56.0	

JOB: S15 450&410 HLRT 2030AM  
 DATE: 10/07/2007 TIME: 12:19:18.43

RUN: S15 450&410 HLRT 2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL MD450	*	110	93	2.0	280	1770	32.10	1	3
7. EBT MD450	*	110	74	2.0	670	1695	32.10	1	3
15. WBL MD450	*	110	86	2.0	470	1717	32.10	1	3
18. WBT MD450	*	110	67	2.0	2090	1695	32.10	1	3
30. SBL MD410	*	110	93	2.0	180	1717	32.10	1	3
32. SBT&R MD410	*	110	87	2.0	995	1707	32.10	1	3
37. NBT&R MD410	*	110	71	2.0	1505	1707	32.10	1	3
39. NBL MD410	*	110	77	2.0	770	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR \* COORDINATES (FT) \*  
 \* X Y Z \*

1. SE COR	*	345046.0	467978.0	5.0	*
2. SE 82S	*	345063.0	467929.0	5.0	*
3. SE 164S	*	345112.0	467861.0	5.0	*
4. SE 256S	*	345164.0	467790.0	5.0	*
5. SE MIDS	*	345298.0	467635.0	5.0	*
6. SE 82E	*	345084.0	468028.0	5.0	*
7. SE 164E	*	345151.0	468080.0	5.0	*
8. SE 256E	*	345217.0	468125.0	5.0	*
9. SE MIDE	*	345365.0	468217.0	5.0	*
10. NE COR	*	344925.0	468158.0	5.0	*
11. NE 82N	*	344898.0	468202.0	5.0	*
12. NE 164N	*	344846.0	468265.0	5.0	*
13. NE 256N	*	344789.0	468333.0	5.0	*
14. NE MIDN	*	344611.0	468523.0	5.0	*
15. NE 82E	*	344961.0	468147.0	5.0	*
16. NE 164E	*	345032.0	468203.0	5.0	*
17. NE 256E	*	345098.0	468243.0	5.0	*
18. NE MIDE	*	345278.0	468327.0	5.0	*
19. SW COR	*	344946.0	467836.0	5.0	*
20. SW 82S	*	344986.0	467806.0	5.0	*
21. SW 164S	*	345027.0	467756.0	5.0	*
22. SW 256S	*	345079.0	467688.0	5.0	*
23. SW MIDS	*	345194.0	467537.0	5.0	*
24. SW 82W	*	344871.0	467799.0	5.0	*
25. SW 164W	*	344839.0	467741.0	5.0	*
26. SW 256W	*	344795.0	467668.0	5.0	*
27. SW MIDW	*	344696.0	467482.0	5.0	*
28. NW COR	*	344818.0	467971.0	5.0	*
29. NW 82N	*	344778.0	468064.0	5.0	*
30. NW 164N	*	344713.0	468148.0	5.0	*
31. NW 256N	*	344643.0	468240.0	5.0	*
32. NW MIDN	*	344529.0	468400.0	5.0	*
33. NW 82W	*	344801.0	467901.0	5.0	*
34. NW 164W	*	344764.0	467831.0	5.0	*
35. NW 256W	*	344712.0	467752.0	5.0	*
36. NW MIDW	*	344574.0	467564.0	5.0	*

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JOB: S15 450&410 HLRT 2030AM

RUN: S15 450&410 HLRT 2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.3	.1	.3	.1	.6	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4
5.	*	.5	.2	.1	.2	.1	.5	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5
10.	*	.5	.3	.1	.2	.1	.5	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5
15.	*	.5	.3	.1	.1	.1	.5	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
20.	*	.4	.2	.1	.1	.1	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4	.5
25.	*	.4	.2	.1	.1	.1	.6	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	.7
30.	*	.4	.2	.1	.1	.0	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0	.0	.7	.6	.7
35.	*	.2	.2	.1	.1	.0	.4	.5	.4	.6	.0	.0	.0	.0	.0	.0	.1	.8	.6	.7
40.	*	.2	.1	.1	.1	.0	.3	.4	.4	.6	.0	.0	.0	.0	.1	.1	1.0	.5	.7	.7
45.	*	.2	.1	.1	.0	.0	.3	.4	.4	.5	.1	.0	.0	.0	.2	.1	.2	1.1	.5	.7
50.	*	.1	.1	.0	.0	.0	.1	.2	.3	.3	.1	.1	.0	.0	.2	.2	.3	1.2	.6	.7
55.	*	.1	.0	.0	.0	.0	.1	.1	.2	.3	.2	.1	.1	.0	.3	.3	.3	1.2	.7	.6
60.	*	.0	.0	.0	.0	.0	.1	.1	.0	.2	.2	.2	.1	.0	.5	.4	.4	1.2	.6	.6
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	.1	.1	.0	.6	.5	.6	1.1	.6
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.2	.1	.1	.0	.6	.6	.6	1.0	.6
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.2	.1	.1	.0	.6	.6	.6	.9	.6
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.2	.1	.1	.1	.7	.6	.6	1.0	.6
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.1	.1	.1	.6	.6	.7	1.0	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.1	.5	.5	.7	.9	.6
95.	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	.3	.1	.1	.1	.6	.5	.7	.9	.6
100.	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.6	.5	.6	.8	.6
105.	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.7	.5	.5	.7	.5
110.	*	.0	.0	.1	.2	.0	.0	.0	.0	.0	.4	.4	.1	.1	.1	.6	.5	.5	.7	.5
115.	*	.0	.1	.2	.2	.1	.0	.0	.0	.0	.4	.3	.1	.1	.1	.5	.5	.5	.7	.5
120.	*	.0	.2	.2	.2	.1	.0	.0	.0	.0	.3	.3	.1	.1	.1	.4	.5	.5	.7	.5
125.	*	.0	.2	.2	.3	.1	.0	.0	.0	.0	.3	.3	.2	.1	.2	.4	.5	.6	.7	.4
130.	*	.1	.3	.3	.3	.2	.0	.0	.0	.0	.3	.3	.1	.2	.2	.4	.5	.6	.7	.4
135.	*	.2	.6	.7	.6	.3	.0	.0	.0	.0	.4	.1	.2	.2	.2	.4	.5	.6	.7	.3
140.	*	.4	.8	.8	.6	.5	.0	.0	.0	.0	.4	.4	.2	.2	.2	.5	.5	.6	.8	.2
145.	*	.6	1.0	1.0	.9	.5	.1	.0	.0	.0	.5	.5	.3	.3	.3	.7	.6	.6	.8	.1
150.	*	.8	1.2	1.2	.9	.6	.2	.0	.0	.0	.6	.6	.5	.5	.4	.8	.6	.4	.8	.1
155.	*	.8	1.3	1.2	.9	.6	.3	.0	.0	.0	.6	.6	.5	.4	.4	.7	.8	.5	.8	.0
160.	*	.8	1.3	1.4	.9	.6	.4	.0	.0	.0	.6	.6	.5	.4	.4	.5	.8	.6	.8	.0
165.	*	.9	1.3	1.3	.9	.5	.5	.0	.0	.0	.6	.5	.4	.4	.3	.4	.7	.6	.8	.0
170.	*	.9	1.3	1.3	1.0	.5	.5	.1	.0	.0	.5	.4	.4	.5	.2	.5	.8	.7	.8	.0
175.	*	1.0	1.1	1.2	1.0	.5	.5	.2	.0	.0	.5	.4	.4	.5	.2	.5	.9	.6	.8	.0
180.	*	1.0	1.1	1.2	1.0	.5	.5	.2	.0	.0	.5	.3	.4	.5	.2	.3	.9	.6	.7	.0
185.	*	1.0	1.1	1.1	1.0	.5	.5	.3	.1	.0	.5	.3	.5	.5	.2	.4	.7	.7	.7	.0
190.	*	1.0	1.1	1.1	1.0	.5	.5	.2	.1	.0	.4	.5	.5	.4	.2	.5	.4	.7	.9	.0
195.	*	.8	1.1	1.1	1.0	.5	.4	.2	.1	.0	.6	.6	.5	.4	.3	.4	.5	.8	.9	.0



200. \* .8 1.0 1.1 1.0 .5 .4 .2 .1 .0 .5 .6 .4 .4 .3 .6 .5 .7 1.1 .0 .0  
 205. \* .7 1.0 1.0 1.0 .4 .4 .2 .1 .0 .7 .6 .4 .3 .3 .6 .4 .7 1.1 .0 .0  
 1

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JOB: S15 450&410 HLRT 2030AM

RUN: S15 450&410 HLRT 2030AM

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20  
 210. \* .7 1.0 1.0 1.0 .4 .3 .2 .1 .1 .6 .6 .4 .2 .3 .5 .6 .6 1.1 .0 .0  
 215. \* .6 1.1 1.0 1.0 .4 .4 .3 .1 .1 .4 .5 .4 .2 .3 .3 .5 .5 1.3 .3 .0  
 220. \* .7 1.2 1.0 1.1 .5 .5 .3 .2 .1 .5 .4 .3 .2 .3 .3 .3 .4 1.5 .3 .1  
 225. \* .7 1.3 1.1 1.1 .5 .6 .4 .2 .2 .4 .4 .3 .2 .3 .4 .3 .3 1.6 .3 .2  
 230. \* .8 1.4 1.2 1.1 .5 .5 .1 .1 .1 .5 .5 .3 .2 .3 .3 .3 .4 1.3 .3 .3  
 235. \* .7 1.3 1.2 1.1 .5 .5 .2 .1 .1 .6 .4 .2 .2 .3 .4 .2 .2 1.2 .4 .3  
 240. \* .6 1.4 1.2 1.2 .5 .4 .2 .2 .1 .5 .4 .2 .2 .3 .4 .2 .1 1.2 .4 .3  
 245. \* .5 1.4 1.1 1.2 .4 .4 .2 .2 .2 .5 .4 .2 .2 .3 .4 .2 .1 1.1 .4 .3  
 250. \* .4 1.4 1.1 1.2 .4 .3 .2 .2 .2 .4 .3 .2 .2 .3 .3 .2 .1 .8 .4 .3  
 255. \* .4 1.3 1.1 1.2 .4 .3 .2 .5 .2 .3 .2 .2 .2 .3 .3 .2 .1 .6 .3 .3  
 260. \* .4 1.3 1.1 1.2 .4 .2 .3 .4 .3 .3 .2 .2 .2 .3 .3 .2 .1 .5 .4 .3  
 265. \* .3 1.3 1.3 1.2 .5 .3 .3 .5 .4 .4 .2 .2 .2 .3 .3 .1 .0 .4 .4 .3  
 270. \* .3 1.2 1.3 1.2 .5 .4 .4 .5 .4 .3 .1 .2 .2 .3 .3 .0 .0 .4 .3 .2  
 275. \* .4 1.2 1.3 1.3 .5 .4 .5 .6 .4 .3 .2 .2 .2 .3 .2 .0 .0 .3 .3 .2  
 280. \* .4 1.0 1.3 1.3 .5 .4 .5 .5 .4 .3 .2 .2 .2 .3 .2 .0 .0 .3 .4 .3  
 285. \* .4 1.1 1.4 1.4 .5 .4 .6 .5 .5 .2 .2 .2 .2 .3 .1 .0 .0 .3 .4 .2  
 290. \* .7 .9 1.4 1.6 .5 .4 .6 .5 .5 .2 .2 .2 .2 .3 .1 .1 .0 .3 .4 .2  
 295. \* .7 .8 1.5 1.5 .7 .4 .6 .5 .5 .3 .2 .2 .3 .4 .1 .1 .0 .3 .4 .2  
 300. \* .6 .7 1.5 1.5 .7 .4 .6 .5 .4 .2 .2 .2 .3 .4 .2 .0 .0 .2 .4 .2  
 305. \* .6 .8 1.3 1.5 .7 .4 .6 .4 .4 .2 .2 .2 .3 .3 .2 .0 .0 .2 .5 .3  
 310. \* .6 .8 1.0 1.4 .6 .4 .5 .4 .4 .2 .2 .2 .3 .2 .2 .0 .0 .3 .6 .5  
 315. \* .5 .9 .9 1.3 .7 .4 .6 .4 .5 .2 .1 .2 .2 .2 .1 .0 .0 .3 .4 .4  
 320. \* .4 .8 .8 1.0 .5 .4 .5 .4 .5 .2 .1 .2 .1 .2 .1 .0 .0 .3 .5 .4  
 325. \* .4 .7 .6 .9 .4 .5 .5 .4 .5 .2 .1 .1 .1 .1 .0 .0 .0 .3 .6 .6  
 330. \* .4 .3 .5 .6 .3 .5 .5 .4 .5 .1 .1 .1 .1 .0 .0 .0 .0 .3 .6 .5  
 335. \* .3 .3 .4 .6 .2 .6 .5 .4 .5 .0 .0 .1 .0 .0 .0 .0 .0 .3 .6 .5  
 340. \* .4 .3 .3 .4 .2 .6 .5 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .2 .5 .4  
 345. \* .5 .4 .4 .4 .2 .6 .5 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .2 .4 .2  
 350. \* .5 .4 .4 .3 .1 .6 .4 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .3 .5 .2  
 355. \* .4 .4 .2 .3 .1 .6 .4 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .3 .4 .2  
 360. \* .5 .3 .1 .3 .1 .6 .4 .4 .5 .0 .0 .0 .0 .0 .0 .0 .0 .3 .2 .4  
 MAX \* 1.0 1.4 1.5 1.6 .7 .6 .6 .6 .6 .7 .6 .5 .5 .4 .8 .9 .8 1.6 .7 .7  
 DEGR. \* 175 230 295 290 295 0 285 275 35 205 150 150 150 150 150 175 195 225 55 25  
 1

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JOB: S15 450&410 HLRT 2030AM

RUN: S15 450&410 HLRT 2030AM

# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36  
 0. \* .5 .7 .7 .8 .6 .5 .4 .6 1.1 .2 .1 .3 .3 .1 .1 .0  
 5. \* .7 .7 .5 .7 .6 .5 .4 .6 1.1 .2 .1 .2 .3 .2 .2 .0  
 10. \* .7 .7 .5 .4 .4 .6 .4 .5 1.1 .2 .1 .2 .3 .3 .2 .0  
 15. \* .7 .7 .5 .5 .5 .4 .3 .6 1.0 .2 .1 .2 .3 .2 .2 .0  
 20. \* .7 .7 .5 .6 .5 .4 .3 .5 .9 .2 .2 .2 .2 .2 .3 .1  
 25. \* .7 .7 .5 .5 .4 .5 .4 .5 .9 .2 .2 .2 .3 .3 .3 .1  
 30. \* .7 .7 .4 .4 .3 .4 .3 .4 .9 .2 .2 .2 .4 .5 .5 .2  
 35. \* .7 .7 .4 .3 .3 .2 .1 .5 1.0 .2 .2 .2 .2 .4 .5 .4  
 40. \* .7 .7 .4 .3 .4 .1 .1 .3 1.0 .2 .2 .2 .4 .5 .6 .5  
 45. \* .7 .5 .4 .3 .3 .2 .1 .5 1.1 .2 .2 .2 .4 .7 .7 .7  
 50. \* .6 .5 .4 .3 .3 .2 .0 .5 1.2 .1 .2 .2 .5 .7 .8 .7  
 55. \* .6 .5 .4 .3 .2 .1 .0 .6 1.3 .2 .2 .2 .5 .7 .7 .7  
 60. \* .6 .5 .4 .2 .2 .1 .0 .7 1.3 .2 .2 .2 .5 .9 .9 .6  
 65. \* .6 .5 .4 .2 .2 .1 .0 .4 1.3 .3 .3 .2 .6 .9 .8 .6  
 70. \* .6 .4 .4 .2 .2 .1 .0 .5 1.3 .4 .3 .2 .5 .9 .7 .5  
 75. \* .6 .4 .4 .3 .2 .1 .0 .4 1.3 .4 .3 .2 .6 .9 .7 .5  
 80. \* .6 .4 .4 .3 .2 .0 .0 .4 1.2 .6 .3 .2 .7 .8 .7 .5  
 85. \* .5 .4 .4 .3 .2 .0 .0 .3 1.3 .7 .3 .2 .9 .8 .6 .5  
 90. \* .5 .4 .4 .2 .2 .0 .0 .6 1.3 .7 .2 .3 .9 .8 .5 .5  
 95. \* .5 .4 .4 .2 .1 .0 .0 .6 1.2 .8 .2 .3 .9 .8 .5 .5  
 100. \* .5 .4 .4 .2 .1 .0 .0 .5 1.1 .9 .2 .3 .9 .7 .5 .5  
 105. \* .5 .4 .4 .2 .1 .0 .0 .5 .9 1.0 .3 .3 .8 .6 .5 .5  
 110. \* .4 .4 .4 .1 .1 .0 .0 .6 1.0 1.0 .3 .3 .8 .6 .5 .5  
 115. \* .5 .4 .5 .1 .1 .0 .0 .7 1.0 1.1 .3 .2 .8 .6 .5 .5  
 120. \* .5 .5 .5 .2 .1 .0 .0 .8 1.1 1.2 .4 .2 .8 .6 .5 .5  
 125. \* .5 .5 .4 .2 .1 .0 .0 .7 1.1 1.2 .4 .3 .8 .6 .5 .5  
 130. \* .5 .5 .4 .2 .0 .0 .0 .8 1.1 1.2 .4 .3 .8 .5 .5 .5  
 135. \* .5 .4 .3 .1 .0 .0 .0 .6 1.0 1.3 .5 .3 .6 .5 .5 .5  
 140. \* .3 .3 .2 .0 .0 .0 .0 .7 .8 1.1 .5 .3 .5 .5 .5 .5  
 145. \* .3 .3 .1 .0 .0 .0 .0 .6 .6 .8 .6 .2 .6 .5 .5 .5  
 150. \* .1 .1 .1 .0 .0 .0 .0 .6 .5 .6 .4 .2 .5 .5 .5 .5  
 155. \* .1 .1 .0 .0 .0 .0 .0 .5 .4 .4 .3 .1 .5 .5 .5 .5

160.	*	.1	.0	.0	.0	.0	.0	.0	.4	.3	.3	.3	.0	.5	.5	.5	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2	.2	.0	.5	.5	.5	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.5	.6	.6	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.5	.6	.6	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.1	.0	.6	.6	.6	.5
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.6	.6	.6
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.1	.0	.6	.7	.7	.6
195.	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.1	.0	.0	.6	.7	.7	.6
200.	*	.0	.0	.0	.1	.0	.0	.0	.5	.1	.1	.0	.0	.6	.7	.7	.6
205.	*	.0	.0	.0	.1	.1	.1	.0	.4	.1	.0	.0	.0	.6	.7	.7	.4

1

JOB: S15 450&410 HLRT 2030AM

RUN: S15 450&410 HLRT 2030AM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.3	.3	.3	.0	.3	.1	.0	.0	.0	.5	.7	.7	.3
215.	*	.0	.0	.0	.3	.3	.3	.1	.1	.0	.0	.0	.0	.4	.5	.5	.2
220.	*	.0	.0	.0	.5	.3	.3	.3	.1	.0	.0	.0	.0	.2	.3	.3	.2
225.	*	.0	.0	.0	.5	.5	.4	.3	.1	.0	.0	.0	.0	.1	.2	.2	.1
230.	*	.1	.0	.0	.5	.5	.5	.3	.0	.0	.0	.0	.0	.1	.1	.2	.1
235.	*	.1	.0	.0	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
240.	*	.1	.1	.0	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
245.	*	.1	.1	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.1	.0
250.	*	.1	.1	.0	.5	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.1	.1	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.0	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.0	.4	.4	.4	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0
300.	*	.2	.1	.0	.4	.4	.4	.3	.0	.1	.1	.1	.0	.0	.0	.0	.0
305.	*	.3	.1	.0	.4	.4	.4	.3	.0	.2	.1	.1	.0	.0	.0	.0	.0
310.	*	.3	.3	.1	.4	.4	.4	.3	.0	.3	.1	.1	.1	.0	.0	.0	.0
315.	*	.4	.3	.1	.4	.4	.4	.3	.1	.4	.1	.1	.1	.0	.0	.0	.0
320.	*	.5	.5	.1	.4	.4	.4	.3	.1	.5	.1	.2	.1	.0	.0	.0	.0
325.	*	.5	.3	.3	.5	.4	.4	.3	.3	.7	.2	.2	.2	.0	.0	.0	.0
330.	*	.5	.3	.3	.6	.4	.4	.3	.4	.8	.2	.2	.2	.1	.0	.0	.0
335.	*	.3	.3	.4	.6	.4	.4	.3	.4	.9	.2	.2	.3	.1	.0	.0	.0
340.	*	.3	.3	.5	.7	.5	.4	.3	.5	1.0	.2	.2	.3	.1	.0	.0	.0
345.	*	.3	.4	.5	.7	.5	.4	.4	.6	1.0	.2	.3	.3	.1	.0	.0	.0
350.	*	.4	.6	.5	.8	.5	.5	.4	.6	1.2	.2	.2	.2	.3	.1	.0	.0
355.	*	.4	.7	.6	.8	.6	.5	.4	.6	1.2	.2	.1	.3	.3	.1	.0	.0
360.	*	.5	.7	.7	.8	.6	.5	.4	.6	1.1	.2	.1	.3	.3	.1	.1	.0
MAX	*	.7	.7	.7	.8	.6	.6	.4	.8	1.3	1.3	.6	.3	.9	.9	.9	.7
DEGR.	*	5	0	0	0	0	10	0	120	55	135	145	0	85	65	60	45

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 290 DEGREES FROM REC4 .

THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 225 DEGREES FROM REC18.

THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 295 DEGREES FROM REC3 .

S15 450&410 HLRT 2030PM			60.0321.0.0000.000360.30480000	1	1
SE COR	345046.	467978.	5.		
SE 82S	345063.	467929.	5.		
SE 164S	345112.	467861.	5.		
SE 256S	345164.	467790.	5.		
SE MIDS	345298.	467635.	5.		
SE 82E	345084.	468028.	5.		
SE 164E	345151.	468080.	5.		
SE 256E	345217.	468125.	5.		
SE MIDE	345365.	468217.	5.		
NE COR	344925.	468158.	5.		
NE 82N	344898.	468202.	5.		
NE 164N	344846.	468265.	5.		
NE 256N	344789.	468333.	5.		
NE MIDN	344611.	468523.	5.		
NE 82E	344961.	468147.	5.		
NE 164E	345032.	468203.	5.		
NE 256E	345098.	468243.	5.		
NE MIDE	345278.	468327.	5.		
SW COR	344946.	467836.	5.		
SW 82S	344986.	467806.	5.		
SW 164S	345027.	467756.	5.		
SW 256S	345079.	467688.	5.		
SW MIDS	345194.	467537.	5.		
SW 82W	344871.	467799.	5.		
SW 164W	344839.	467741.	5.		
SW 256W	344795.	467668.	5.		
SW MIDW	344696.	467482.	5.		
NW COR	344818.	467971.	5.		
NW 82N	344778.	468064.	5.		
NW 164N	344713.	468148.	5.		
NW 256N	344643.	468240.	5.		
NW MIDN	344529.	468400.	5.		
NW 82W	344801.	467901.	5.		
NW 164W	344764.	467831.	5.		
NW 256W	344712.	467752.	5.		
NW MIDW	344574.	467564.	5.		
S15 450&410 HLRT 2030PM			45 1 0		
1					
EBL	MD450	AG344916.467970.344843.467855.	195 3.1 0. 32	29	
2					
EBL	MD450	AG344882.467917.344851.467867.	0. 12 1		
100	84	2.0 195 32.1 1770 1 3			
1					
EBR	MD450	AG344985.467842.344935.467859.	665 3.1 0. 32	29	
1					
EBR	MD450	AG344935.467859.344879.467841.	665 3.1 0. 32	29	
1					
EBALL	MD450	AG344859.467845.344399.467145.	2600 3.1 0. 56	29	
1					
EBT	MD450	AG344937.467963.344859.467844.	1740 3.1 0. 56	29	
2					
EBT	MD450	AG344909.467920.344868.467859.	0. 36 3		
100	61	2.0 1740 32.1 1695 1 3			
1					
EBDP	MD450	AG345883.468265.345717.468296.	2200 3.1 0. 56	29	
1					
EBDP	MD450	AG345717.468296.345553.468296.	2200 3.1 0. 56	29	
1					
EBDP	MD450	AG345553.468296.345385.468260.	2200 3.1 0. 56	29	
1					
EBDP	MD450	AG345385.468260.345252.468209.	2200 3.1 0. 56	29	
1					
EBDP	MD450	AG345252.468209.345112.468113.	2200 3.1 0. 56	29	
1					
EBDP	MD450	AG345112.468113.344938.467965.	2200 3.1 0. 56	29	
1					
WBL	MD450	AG344916.468000.345132.468166.	280 3.1 0. 44	26	
2					
WBL	MD450	AG345024.468083.345126.468161.	0. 24 2		
100	88	2.0 280 32.1 1717 1 3			
1					
WBT	MD450	AG344914.468018.344990.468096.	1355 3.1 0. 56	26	
1					
WBT	MD450	AG344990.468096.345114.468193.	1355 3.1 0. 56	26	
2					
WBT	MD450	AG345000.468104.345104.468185.	0. 36 3		
100	65	2.0 1355 32.1 1695 1 3			
1					
WBR	MD450	AG344909.468152.344968.468134.	165 3.1 0. 32	26	
1					
WBR	MD450	AG344968.468134.345095.468204.	165 3.1 0. 32	26	
1					
WBALL	MD450	AG345117.468193.345250.468264.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345250.468264.345440.468317.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345440.468317.345585.468339.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345585.468339.345739.468339.	1800 3.1 0. 56	26	
1					
WBALL	MD450	AG345739.468339.345867.468320.	1800 3.1 0. 56	26	
1					
WBDP	MD450	AG344359.467173.344913.468000.	2185 3.1 0. 56	26	
1					

SBL		MD410		AG344939.467975.344609.468370.	195	3.7	0.	44	50
2									
SBL		MD410		AG344864.468055.344779.468166.	0.	24	2		
100			84	2.0 195 32.1 1717 1 3					
1									
SBT&R		MD410		AG344896.467966.344583.468350.	1300	3.7	0.	68	50
2									
SBT&R		MD410		AG344836.468040.344692.468216.	0.	48	4		
100			72	2.0 1300 32.1 1707 1 3					
1									
SBR		MD410		AG344855.467917.344814.468066.	275	3.7	0.	32	50
1									
SBALL		MD410		AG344603.468364.344262.468768.	1495	3.7	0.	56	50
1									
SBDP		MD410		AG345520.467202.344896.467969.	1970	3.7	0.	56	50
1									
NBR		MD410		AG345037.468044.345025.467973.	265	3.7	0.	32	50
1									
NBR		MD410		AG345025.467973.345057.467903.	265	3.7	0.	32	50
1									
NBT&R		MD410		AG344970.468008.345213.467696.	1040	3.7	0.	56	50
2									
NBT&R		MD410		AG345019.467944.345124.467810.	0.	36	3		
100			61	2.0 1040 32.1 1707 1 3					
1									
NBL		MD410		AG344965.467976.345197.467681.	555	3.7	0.	32	50
2									
NBL		MD410		AG345002.467930.345081.467829.	0.	12	1		
100			73	2.0 555 32.1 1770 1 3					
1									
NBALL		MD410		AG345210.467693.345411.467444.	1595	3.7	0.	68	50
1									
NBALL		MD410		AG345411.467444.345563.467237.	1595	3.7	0.	68	50
1									
NBDP		MD410		AG344322.468804.344503.468583.	1135	3.7	0.	56	50
1									
NBDP		MD410		AG344503.468583.344664.468430.	1135	3.7	0.	56	50
1									
NBDP		MD410		AG344664.468430.344843.468219.	1135	3.7	0.	56	50
1									
NBDP		MD410		AG344843.468219.344970.468013.	1135	3.7	0.	56	50
1.0	04	1000	0Y	5 0 72					

JOB: S15 450&410 HLRT 2030PM  
DATE: 10/07/2007 TIME: 12:35:26.05

RUN: S15 450&410 HLRT 2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. EBL	MD450	* 344916.0	467970.0	344843.0	467855.0	*	136.	212. AG	195.	3.1	.0	32.0		
2. EBL	MD450	* 344882.0	467917.0	344814.6	467808.2	*	128.	212. AG	72.	100.0	.0	12.0	.92	6.5
3. EBR	MD450	* 344985.0	467842.0	344935.0	467859.0	*	53.	289. AG	665.	3.1	.0	32.0		
4. EBR	MD450	* 344935.0	467859.0	344879.0	467841.0	*	59.	252. AG	665.	3.1	.0	32.0		
5. EBALL	MD450	* 344859.0	467845.0	344399.0	467145.0	*	838.	213. AG	2600.	3.1	.0	56.0		
6. EBT	MD450	* 344937.0	467963.0	344859.0	467844.0	*	142.	213. AG	1740.	3.1	.0	56.0		
7. EBT	MD450	* 344909.0	467920.0	344748.4	467681.1	*	288.	214. AG	158.	100.0	.0	36.0	.98	14.6
8. EBDP	MD450	* 345883.0	468265.0	345717.0	468296.0	*	169.	281. AG	2200.	3.1	.0	56.0		
9. EBDP	MD450	* 345717.0	468296.0	345553.0	468296.0	*	164.	270. AG	2200.	3.1	.0	56.0		
10. EBDP	MD450	* 345553.0	468296.0	345385.0	468260.0	*	172.	258. AG	2200.	3.1	.0	56.0		
11. EBDP	MD450	* 345385.0	468260.0	345252.0	468209.0	*	142.	249. AG	2200.	3.1	.0	56.0		
12. EBDP	MD450	* 345252.0	468209.0	345112.0	468113.0	*	170.	236. AG	2200.	3.1	.0	56.0		
13. EBDP	MD450	* 345112.0	468113.0	344938.0	467965.0	*	228.	230. AG	2200.	3.1	.0	56.0		
14. WBL	MD450	* 344916.0	468000.0	345132.0	468166.0	*	272.	52. AG	280.	3.1	.0	44.0		
15. WBL	MD450	* 345024.0	468083.0	345147.4	468177.3	*	155.	53. AG	152.	100.0	.0	24.0	1.02	7.9
16. WBT	MD450	* 344914.0	468018.0	344990.0	468096.0	*	109.	44. AG	1355.	3.1	.0	56.0		
17. WBT	MD450	* 344990.0	468096.0	345114.0	468193.0	*	157.	52. AG	1355.	3.1	.0	56.0		
18. WBT	MD450	* 345000.0	468104.0	345145.1	468217.0	*	184.	52. AG	168.	100.0	.0	36.0	.86	9.3
19. WBR	MD450	* 344909.0	468152.0	344968.0	468134.0	*	62.	107. AG	165.	3.1	.0	32.0		
20. WBR	MD450	* 344968.0	468134.0	345095.0	468204.0	*	145.	61. AG	165.	3.1	.0	32.0		
21. WBALL	MD450	* 345117.0	468193.0	345250.0	468264.0	*	151.	62. AG	1800.	3.1	.0	56.0		
22. WBALL	MD450	* 345250.0	468264.0	345440.0	468317.0	*	197.	74. AG	1800.	3.1	.0	56.0		
23. WBALL	MD450	* 345440.0	468317.0	345585.0	468339.0	*	147.	81. AG	1800.	3.1	.0	56.0		
24. WBALL	MD450	* 345585.0	468339.0	345739.0	468339.0	*	154.	90. AG	1800.	3.1	.0	56.0		
25. WBALL	MD450	* 345739.0	468339.0	345867.0	468320.0	*	129.	98. AG	1800.	3.1	.0	56.0		
26. WBDP	MD450	* 344359.0	467173.0	344913.0	468000.0	*	995.	34. AG	2185.	3.1	.0	56.0		
27. SBL	MD410	* 344939.0	467975.0	344609.0	468370.0	*	515.	320. AG	195.	3.7	.0	44.0		
28. SBL	MD410	* 344864.0	468055.0	344836.9	468090.4	*	45.	323. AG	145.	100.0	.0	24.0	.47	2.3
29. SBT&R	MD410	* 344896.0	467966.0	344583.0	468350.0	*	495.	321. AG	1300.	3.7	.0	68.0		
30. SBT&R	MD410	* 344836.0	468040.0	344748.0	468147.6	*	139.	321. AG	248.	100.0	.0	48.0	.79	7.1
31. SBR	MD410	* 344855.0	467917.0	344814.0	468066.0	*	155.	345. AG	275.	3.7	.0	32.0		
32. SBALL	MD410	* 344603.0	468364.0	344262.0	468768.0	*	529.	320. AG	1495.	3.7	.0	56.0		
33. SBDP	MD410	* 345520.0	467202.0	344896.0	467969.0	*	989.	321. AG	1970.	3.7	.0	56.0		
34. NBR	MD410	* 345037.0	468044.0	345025.0	467973.0	*	72.	190. AG	265.	3.7	.0	32.0		
35. NBR	MD410	* 345025.0	467973.0	345057.0	467903.0	*	77.	155. AG	265.	3.7	.0	32.0		
36. NBT&R	MD410	* 344970.0	468008.0	345213.0	467696.0	*	395.	142. AG	1040.	3.7	.0	56.0		
37. NBT&R	MD410	* 345019.0	467944.0	345090.2	467853.2	*	115.	142. AG	158.	100.0	.0	36.0	.58	5.9
38. NBL	MD410	* 344965.0	467976.0	345197.0	467681.0	*	375.	142. AG	555.	3.7	.0	32.0		
39. NBL	MD410	* 345002.0	467930.0	346118.6	466502.6	*	1812.	142. AG	63.	100.0	.0	12.0	1.36	92.1
40. NBALL	MD410	* 345210.0	467693.0	345411.0	467444.0	*	320.	141. AG	1595.	3.7	.0	68.0		
41. NBALL	MD410	* 345411.0	467444.0	345563.0	467237.0	*	257.	144. AG	1595.	3.7	.0	68.0		
42. NBDP	MD410	* 344322.0	468804.0	344503.0	468583.0	*	286.	141. AG	1135.	3.7	.0	56.0		
43. NBDP	MD410	* 344503.0	468583.0	344664.0	468430.0	*	222.	134. AG	1135.	3.7	.0	56.0		
44. NBDP	MD410	* 344664.0	468430.0	344843.0	468219.0	*	277.	140. AG	1135.	3.7	.0	56.0		

JOB: S15 450&410 HLRT 2030PM  
DATE: 10/07/2007 TIME: 12:35:26.05

RUN: S15 450&410 HLRT 2030PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
45. NBDP	MD410	* 344843.0	468219.0	344970.0	468013.0	*	242.	148. AG	1135.	3.7	.0	56.0		

JOB: S15 450&410 HLRT 2030PM  
DATE: 10/07/2007 TIME: 12:35:26.05

RUN: S15 450&410 HLRT 2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. EBL	MD450	* 100	84	2.0	195	1770	32.10	1	3
7. EBT	MD450	* 100	61	2.0	1740	1695	32.10	1	3
15. WBL	MD450	* 100	88	2.0	280	1717	32.10	1	3
18. WBT	MD450	* 100	65	2.0	1355	1695	32.10	1	3
28. SBL	MD410	* 100	84	2.0	195	1717	32.10	1	3
30. SBT&R	MD410	* 100	72	2.0	1300	1707	32.10	1	3
37. NBT&R	MD410	* 100	61	2.0	1040	1707	32.10	1	3
39. NBL	MD410	* 100	73	2.0	555	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR \* \*  
\* X Y Z \*

1. SE COR	*	345046.0	467978.0	5.0	*
2. SE 82S	*	345063.0	467929.0	5.0	*
3. SE 164S	*	345112.0	467861.0	5.0	*
4. SE 256S	*	345164.0	467790.0	5.0	*
5. SE MIDS	*	345298.0	467635.0	5.0	*
6. SE 82E	*	345084.0	468028.0	5.0	*
7. SE 164E	*	345151.0	468080.0	5.0	*
8. SE 256E	*	345217.0	468125.0	5.0	*
9. SE MIDE	*	345365.0	468217.0	5.0	*
10. NE COR	*	344925.0	468158.0	5.0	*
11. NE 82N	*	344898.0	468202.0	5.0	*
12. NE 164N	*	344846.0	468265.0	5.0	*
13. NE 256N	*	344789.0	468333.0	5.0	*
14. NE MIDN	*	344611.0	468523.0	5.0	*
15. NE 82E	*	344961.0	468147.0	5.0	*
16. NE 164E	*	345032.0	468203.0	5.0	*
17. NE 256E	*	345098.0	468243.0	5.0	*
18. NE MIDE	*	345278.0	468327.0	5.0	*
19. SW COR	*	344946.0	467836.0	5.0	*
20. SW 82S	*	344986.0	467806.0	5.0	*
21. SW 164S	*	345027.0	467756.0	5.0	*
22. SW 256S	*	345079.0	467688.0	5.0	*
23. SW MIDS	*	345194.0	467537.0	5.0	*
24. SW 82W	*	344871.0	467799.0	5.0	*
25. SW 164W	*	344839.0	467741.0	5.0	*
26. SW 256W	*	344795.0	467668.0	5.0	*
27. SW MIDW	*	344696.0	467482.0	5.0	*
28. NW COR	*	344818.0	467971.0	5.0	*
29. NW 82N	*	344778.0	468064.0	5.0	*
30. NW 164N	*	344713.0	468148.0	5.0	*
31. NW 256N	*	344643.0	468240.0	5.0	*
32. NW MIDN	*	344529.0	468400.0	5.0	*
33. NW 82W	*	344801.0	467901.0	5.0	*
34. NW 164W	*	344764.0	467831.0	5.0	*
35. NW 256W	*	344712.0	467752.0	5.0	*
36. NW MIDW	*	344574.0	467564.0	5.0	*

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JOB: S15 450&410 HLRT 2030PM

RUN: S15 450&410 HLRT 2030PM

# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.3	.2	.0	.0	.6	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
5.	*	.5	.3	.2	.0	.0	.6	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
10.	*	.5	.3	.0	.0	.0	.6	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
15.	*	.5	.3	.0	.0	.0	.5	.3	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
20.	*	.3	.2	.0	.0	.0	.4	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
25.	*	.4	.2	.0	.0	.0	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7
30.	*	.4	.1	.0	.0	.0	.4	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.7	.6
35.	*	.3	.0	.0	.0	.0	.3	.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
40.	*	.1	.0	.0	.0	.0	.1	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
45.	*	.1	.0	.0	.0	.0	.1	.2	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.6
50.	*	.0	.0	.0	.0	.0	.1	.2	.1	.4	.0	.0	.0	.0	.1	.0	.0	.0	.4	.6
55.	*	.0	.0	.0	.0	.0	.1	.0	.1	.4	.0	.0	.0	.0	.1	.0	.0	.0	.6	.5
60.	*	.0	.0	.0	.0	.0	.0	.0	.1	.4	.1	.0	.0	.0	.1	.0	.0	.0	.7	.5
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.2	.2	.0	.0	.6	.5
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.4	.2	.1	.0	.5
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.5	.2	.2	.0	.5
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.0	.0	.0	.6	.3	.2	.0	.5
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.1	.0	.0	.0	.6	.3	.3	.1	.6
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.7	.4	.2	.2	.6
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.1	.0	.0	.7	.7	.2	.2	.4
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.0	.0	.7	.7	.3	.2	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1	.0	.0	.7	.6	.3	.2	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.7	.6	.3	.2	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.1	.0	.7	.6	.4	.2	.3
120.	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.4	.2	.2	.1	.0	.7	.7	.4	.3	.4
125.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.3	.3	.2	.1	.0	.5	.8	.9	.2	.4
130.	*	.0	.2	.1	.2	.1	.0	.0	.0	.0	.3	.3	.2	.1	.1	.5	.7	.5	.2	.3
135.	*	.0	.3	.2	.3	.2	.0	.0	.0	.0	.2	.3	.1	.2	.2	.5	.7	.6	.2	.3
140.	*	.3	.5	.5	.3	.3	.0	.0	.0	.0	.1	.2	.2	.1	.2	.4	.6	.6	.2	.3
145.	*	.4	.6	.5	.4	.3	.0	.0	.0	.0	.5	.4	.2	.3	.2	.5	.7	.6	.2	.1
150.	*	.5	.7	.5	.5	.4	.1	.0	.0	.0	.7	.4	.2	.3	.3	.5	.7	.6	.2	.1
155.	*	.5	.8	.5	.5	.4	.2	.0	.0	.0	.7	.5	.2	.3	.4	.7	.7	.6	.2	.0
160.	*	.6	.8	.4	.5	.4	.2	.0	.0	.0	.7	.2	.3	.4	.3	.6	.8	.8	.2	.0
165.	*	.6	.9	.4	.5	.4	.4	.1	.0	.0	.4	.2	.3	.2	.3	.5	.8	.9	.2	.0
170.	*	.6	.9	.4	.4	.4	.4	.1	.0	.0	.4	.2	.4	.3	.2	.4	.9	.8	.2	.0
175.	*	.7	.9	.4	.4	.4	.4	.1	.0	.0	.4	.3	.5	.5	.2	.4	.8	.9	.2	.0
180.	*	.7	.9	.4	.4	.4	.4	.1	.0	.0	.4	.3	.5	.6	.1	.4	.8	.9	.2	.0
185.	*	.7	.8	.3	.3	.4	.5	.1	.0	.0	.4	.3	.7	.5	.1	.5	.7	.9	.2	.0
190.	*	.6	.8	.3	.3	.4	.5	.2	.0	.0	.4	.5	.8	.4	.2	.5	.6	.8	.3	.0
195.	*	.6	.8	.3	.3	.4	.4	.2	.0	.0	.4	.7	.6	.3	.2	.6	.6	.8	.2	.0

200. \* .6 .8 .3 .3 .4 .4 .2 .0 .0 .4 .7 .5 .3 .2 .5 .7 .7 .3 .0 .0  
 205. \* .6 .8 .3 .3 .4 .4 .2 .0 .0 .7 .7 .4 .3 .2 .5 .5 .8 .3 .0 .0  
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JOB: S15 450&410 HLRT 2030PM

RUN: S15 450&410 HLRT 2030PM

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WIND * CONCENTRATION																					
ANGLE * (PPM)																					
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.7	.8	.3	.3	.4	.4	.2	.1	.0	.7	.6	.4	.2	.2	.4	.4	.9	.4	.1	.0
215.	*	.6	.9	.3	.3	.4	.5	.4	.1	.0	.5	.4	.4	.2	.2	.4	.4	.8	.5	.1	.1
220.	*	.7	.9	.3	.3	.4	.6	.5	.3	.0	.5	.4	.3	.2	.2	.3	.2	.5	.4	.3	.1
225.	*	.7	1.1	.5	.3	.4	.6	.5	.4	.0	.5	.4	.3	.2	.2	.5	.2	.3	.4	.4	.2
230.	*	.7	1.1	.5	.3	.4	.6	.4	.4	.0	.5	.4	.3	.2	.2	.4	.1	.2	.3	.5	.2
235.	*	.8	1.1	.6	.4	.4	.6	.3	.3	.0	.5	.4	.2	.2	.2	.5	.1	.2	.3	.5	.3
240.	*	.7	1.2	.8	.4	.4	.5	.3	.3	.2	.5	.4	.2	.2	.2	.5	.1	.1	.2	.5	.3
245.	*	.5	1.2	.8	.4	.4	.4	.4	.2	.4	.5	.4	.2	.2	.2	.5	.1	.1	.1	.5	.3
250.	*	.6	1.2	.9	.4	.4	.4	.2	.3	.4	.4	.3	.2	.2	.2	.4	.1	.1	.1	.5	.3
255.	*	.6	1.1	.9	.5	.4	.3	.2	.5	.5	.4	.3	.2	.2	.2	.4	.1	.1	.0	.5	.4
260.	*	.5	1.1	.9	.5	.4	.2	.4	.5	.5	.4	.3	.2	.2	.2	.4	.1	.1	.0	.5	.4
265.	*	.4	1.0	.9	.5	.4	.3	.4	.6	.6	.4	.2	.2	.1	.2	.4	.1	.0	.0	.5	.4
270.	*	.3	.9	.9	.4	.4	.3	.5	.6	.5	.3	.2	.2	.1	.2	.3	.0	.0	.0	.6	.4
275.	*	.4	.8	1.0	.5	.4	.3	.5	.7	.4	.3	.2	.2	.1	.3	.3	.0	.0	.0	.6	.4
280.	*	.4	.7	1.0	.5	.4	.5	.6	.6	.3	.3	.3	.2	.1	.3	.3	.0	.0	.0	.7	.4
285.	*	.4	1.0	1.0	.6	.5	.5	.5	.6	.3	.2	.3	.2	.3	.3	.2	.0	.0	.0	.6	.4
290.	*	.4	.8	1.0	.7	.5	.4	.6	.6	.3	.2	.2	.2	.3	.2	.1	.0	.0	.0	.6	.3
295.	*	.5	.8	1.1	.7	.5	.4	.6	.5	.3	.1	.2	.2	.3	.2	.1	.0	.0	.0	.6	.3
300.	*	.5	.8	1.1	.6	.5	.4	.7	.5	.3	.2	.2	.3	.3	.3	.1	.0	.0	.0	.6	.4
305.	*	.5	.7	1.1	.7	.5	.4	.7	.5	.3	.2	.2	.3	.2	.3	.2	.0	.0	.0	.6	.5
310.	*	.3	.7	.8	.7	.5	.4	.7	.5	.3	.2	.1	.2	.2	.2	.1	.0	.0	.0	.7	.5
315.	*	.2	.6	.9	.6	.5	.4	.7	.5	.3	.2	.1	.1	.1	.2	.1	.0	.0	.0	.6	.5
320.	*	.2	.4	.7	.4	.3	.4	.6	.4	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	.6	.7
325.	*	.2	.4	.6	.3	.2	.7	.6	.4	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.7	.7
330.	*	.1	.2	.4	.3	.1	.7	.5	.4	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7	.7
335.	*	.2	.3	.5	.3	.1	.7	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7
340.	*	.3	.3	.5	.3	.1	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.4
345.	*	.3	.3	.5	.3	.0	.7	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.3
350.	*	.3	.3	.3	.2	.0	.7	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4
355.	*	.5	.3	.2	.1	.0	.7	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
360.	*	.5	.3	.2	.0	.0	.6	.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
MAX	*	.8	1.2	1.1	.7	.5	.7	.7	.6	.7	.7	.8	.6	.4	.7	.9	.9	.5	.8	.7	
DEGR.	*	235	240	295	290	285	325	300	275	265	150	195	190	180	155	90	170	165	215	345	20

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JOB: S15 450&410 HLRT 2030PM

RUN: S15 450&410 HLRT 2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																	
ANGLE * (PPM)																	
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	
0.	*	.8	.6	.3	.9	.9	.8	.3	.6	1.0	.2	.2	.2	.3	.2	.1	.0
5.	*	.7	.5	.3	.9	1.0	.8	.4	.6	1.0	.2	.2	.2	.3	.2	.1	.0
10.	*	.7	.5	.4	.8	.9	.8	.4	.5	1.0	.2	.2	.3	.3	.2	.2	.0
15.	*	.7	.4	.4	.7	.9	.7	.4	.4	1.0	.2	.2	.3	.3	.2	.2	.0
20.	*	.5	.4	.4	.8	.6	.6	.4	.4	1.0	.2	.2	.3	.2	.2	.2	.1
25.	*	.5	.4	.4	.6	.5	.6	.3	.3	.8	.1	.1	.3	.2	.2	.3	.1
30.	*	.5	.4	.4	.6	.6	.3	.2	.3	.8	.1	.1	.3	.3	.3	.2	.2
35.	*	.5	.4	.4	.5	.3	.2	.2	.3	.8	.1	.1	.3	.3	.2	.4	.4
40.	*	.5	.4	.4	.4	.2	.2	.1	.2	.8	.1	.1	.3	.3	.4	.4	.4
45.	*	.4	.4	.4	.2	.2	.2	.0	.2	.9	.1	.2	.3	.5	.5	.4	.5
50.	*	.4	.4	.4	.2	.2	.1	.0	.3	1.0	.1	.2	.3	.5	.7	.7	.5
55.	*	.4	.4	.4	.2	.2	.1	.0	.3	1.2	.1	.2	.3	.6	.8	.7	.5
60.	*	.4	.4	.4	.2	.2	.1	.0	.4	1.2	.1	.2	.3	.4	.8	.7	.5
65.	*	.4	.3	.4	.2	.2	.1	.0	.5	1.1	.2	.1	.2	.6	.8	.8	.5
70.	*	.4	.3	.4	.2	.1	.1	.0	.5	1.2	.2	.1	.2	.6	1.0	.8	.4
75.	*	.4	.3	.4	.2	.1	.1	.0	.3	1.2	.3	.1	.2	.5	1.1	.9	.4
80.	*	.4	.3	.4	.2	.1	.1	.0	.3	1.1	.6	.2	.2	.7	1.0	.8	.3
85.	*	.4	.3	.4	.1	.1	.1	.0	.4	1.2	.7	.2	.2	.8	.8	.8	.3
90.	*	.3	.3	.4	.1	.1	.1	.0	.4	1.2	.7	.2	.2	.8	.8	.8	.3
95.	*	.3	.4	.4	.1	.1	.1	.0	.5	1.1	.8	.3	.2	.8	.8	.8	.3
100.	*	.4	.5	.4	.1	.1	.1	.0	.5	1.1	.8	.3	.3	.8	.8	.8	.3
105.	*	.4	.5	.4	.1	.1	.1	.0	.4	1.1	.8	.3	.3	.7	.8	.8	.3
110.	*	.4	.5	.4	.1	.1	.1	.0	.5	1.0	.9	.3	.3	.7	.8	.8	.3
115.	*	.5	.5	.5	.1	.1	.1	.0	.7	1.0	.9	.3	.2	.8	.7	.8	.3
120.	*	.5	.5	.4	.2	.1	.0	.0	.7	.9	1.0	.4	.2	.8	.8	.7	.3
125.	*	.5	.5	.4	.2	.1	.0	.0	.6	1.1	1.0	.4	.2	.8	.8	.7	.3
130.	*	.5	.5	.3	.1	.0	.0	.0	.6	.9	1.0	.5	.3	.8	.8	.6	.3
135.	*	.4	.4	.3	.1	.0	.0	.0	.7	.9	1.0	.5	.3	.7	.7	.6	.3
140.	*	.4	.3	.3	.0	.0	.0	.0	.6	.9	.9	.5	.3	.7	.7	.6	.3
145.	*	.2	.2	.1	.0	.0	.0	.0	.6	.6	.8	.6	.2	.6	.7	.6	.3
150.	*	.2	.1	.1	.0	.0	.0	.0	.6	.5	.7	.4	.2	.6	.7	.6	.3
155.	*	.1	.1	.0	.0	.0	.0	.0	.5	.5	.5	.3	.1	.6	.7	.5	.3

160.	*	.1	.0	.0	.0	.0	.0	.0	.5	.4	.4	.3	.1	.6	.7	.5	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.6	.4	.4	.2	.0	.7	.7	.5	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.1	.0	.8	.6	.6	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.6	.3	.3	.0	.0	.6	.7	.5	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.6	.7	.5	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.7	.7	.5	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.5	.3	.2	.0	.0	.7	.6	.5	.4
195.	*	.0	.0	.0	.1	.0	.0	.0	.4	.2	.0	.0	.0	.6	.6	.5	.4
200.	*	.0	.0	.0	.1	.1	.1	.0	.4	.2	.0	.0	.0	.6	.6	.5	.4
205.	*	.0	.0	.0	.3	.1	.1	.0	.4	.1	.0	.0	.0	.5	.5	.4	.3

1

JOB: S15 450&410 HLRT 2030PM

RUN: S15 450&410 HLRT 2030PM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36

210.	*	.0	.0	.0	.4	.2	.1	.1	.2	.0	.0	.0	.0	.3	.4	.4	.3
215.	*	.0	.0	.0	.6	.4	.3	.1	.2	.0	.0	.0	.0	.3	.4	.4	.2
220.	*	.0	.0	.0	.6	.5	.3	.1	.1	.0	.0	.0	.0	.1	.3	.2	.1
225.	*	.1	.0	.0	.8	.5	.4	.3	.0	.0	.0	.0	.0	.1	.2	.2	.1
230.	*	.1	.0	.0	.9	.6	.4	.3	.0	.0	.0	.0	.0	.1	.1	.1	.0
235.	*	.2	.0	.0	.8	.6	.4	.3	.0	.0	.0	.0	.0	.0	.1	.1	.0
240.	*	.2	.1	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.1	.0	.9	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.3	.1	.0	.9	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.1	.0	.9	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.1	.0	.8	.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.3	.1	.0	.8	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.3	.2	.0	.7	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.3	.2	.0	.7	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.3	.2	.0	.7	.7	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.3	.2	.0	.8	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.3	.2	.0	.8	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.2	.1	.1	.8	.7	.5	.3	.0	.1	.1	.1	.0	.0	.0	.0	.0
300.	*	.2	.1	.1	.8	.7	.6	.3	.0	.2	.1	.1	.0	.0	.0	.0	.0
305.	*	.3	.2	.1	.8	.7	.6	.3	.0	.2	.1	.1	.1	.0	.0	.0	.0
310.	*	.3	.2	.2	.8	.7	.6	.3	.0	.3	.1	.1	.1	.0	.0	.0	.0
315.	*	.4	.2	.2	.8	.7	.6	.3	.1	.4	.2	.2	.1	.0	.0	.0	.0
320.	*	.4	.4	.2	.8	.7	.6	.3	.2	.5	.3	.3	.2	.0	.0	.0	.0
325.	*	.5	.3	.2	.8	.7	.6	.3	.3	.7	.3	.3	.2	.0	.0	.0	.0
330.	*	.4	.4	.2	.9	.7	.7	.3	.3	.7	.3	.3	.2	.0	.0	.0	.0
335.	*	.4	.3	.3	1.1	.7	.7	.3	.4	.8	.3	.3	.2	.2	.0	.0	.0
340.	*	.3	.4	.4	1.1	.8	.7	.3	.5	.9	.2	.3	.2	.2	.0	.0	.0
345.	*	.3	.4	.4	1.0	.9	.7	.3	.5	.9	.2	.3	.2	.3	.1	.0	.0
350.	*	.4	.5	.4	1.0	.9	.8	.3	.5	1.0	.2	.2	.2	.3	.1	.0	.0
355.	*	.5	.6	.3	1.0	.9	.8	.3	.5	1.0	.2	.2	.2	.3	.1	.0	.0
360.	*	.8	.6	.3	.9	.9	.8	.3	.6	1.0	.2	.2	.2	.3	.2	.1	.0
MAX	*	.8	.6	.5	1.1	1.0	.8	.4	.7	1.2	1.0	.6	.3	.8	1.1	.9	.5
DEGR.	*	0	0	115	335	5	0	5	115	55	120	145	10	85	75	75	45

THE HIGHEST CONCENTRATION IS 1.20 PPM AT 240 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.20 PPM AT 55 DEGREES FROM REC29 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 295 DEGREES FROM REC3 .



Site 16

Georgetown Branch Interim  
Trail ROW

2015

S16 GTB Trail EXAM		60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0	
Res South	288038.	480433.	5.0	
Res South	288031.	480520.	5.0	
Res South	288063.	480542.	5.0	
Res South	288094.	480574.	5.0	
Res South	288137.	480591.	5.0	
Res South	288130.	480624.	5.0	
Res South	288182.	480648.	5.0	
Res South	288228.	480675.	5.0	
Res South	288270.	480699.	5.0	
Res South	288319.	480733.	5.0	
Res South	288147.	480785.	5.0	
Res South	288183.	480833.	5.0	
Res South	288222.	480867.	5.0	
Res South	288263.	480898.	5.0	
Res South	288324.	480934.	5.0	
Res South	288346.	480979.	5.0	
Res South	288411.	481018.	5.0	
Res South	288450.	481114.	5.0	
Res South	288194.	480791.	5.0	
Res South	288248.	480843.	5.0	
Res South	288290.	480863.	5.0	
Res South	288339.	480906.	5.0	
Res South	288381.	480938.	5.0	
Res South	288447.	481003.	5.0	
Res South	288435.	481339.	5.0	
Res South	288463.	481424.	5.0	
Res South	288523.	481477.	5.0	
Res South	288552.	481535.	5.0	
Res South	288589.	481607.	5.0	
Res South	288663.	481661.	5.0	
Res South	288698.	481767.	5.0	
Res South	288746.	481902.	5.0	
Res South	288758.	481780.	5.0	
Res South	288734.	481638.	5.0	
Res South	288617.	481567.	5.0	
Res South	288720.	481446.	5.0	
Res South	288556.	481461.	5.0	
Res South	288671.	481346.	5.0	
Res South	288606.	481234.	5.0	
Res South	288513.	481237.	5.0	
Res North	288543.	481976.	5.0	
Res North	288489.	481860.	5.0	
Res North	288460.	481783.	5.0	
Res North	288482.	481678.	5.0	
Res North	288437.	481639.	5.0	
Res North	288375.	481475.	5.0	
Res North	288343.	481414.	5.0	
Res North	288295.	481361.	5.0	
Res North	288247.	481253.	5.0	
Res North	288165.	481118.	5.0	
Res North	288120.	481014.	5.0	
Res North	288046.	480924.	5.0	
Res North	288027.	480743.	5.0	
Res North	287940.	480679.	5.0	
Res North	287898.	480646.	5.0	
Res North	287833.	480638.	5.0	
Res North	287907.	480506.	5.0	
Res North	287763.	480449.	5.0	
Res North	287900.	480435.	5.0	
Res North	287841.	480301.	5.0	
Res North	287758.	480211.	5.0	
Res North	287676.	480131.	5.0	
Res North	287583.	480053.	5.0	
Res North	287536.	480000.	5.0	
Res North	287481.	479962.	5.0	
Res North	287443.	479893.	5.0	
Res North	287372.	479853.	5.0	
Res North	287300.	479810.	5.0	
Res North	287130.	479740.	5.0	
S16 GTB Trail EXAM		6	1	0
1				
0	MD410 EB	AG287628.480452.288098.480634.	810 5.1	0 44 28
1				
0	MD410 EB	AG288098.480634.288253.480710.	810 5.1	0 44 28
1				
0	MD410 EB	AG288253.480710.289019.481241.	810 5.1	0 44 28
1				
0	MD410 WB	AG288976.481266.288250.480736.	1650 5.3	0 44 25
1				
0	MD410 WB	AG288250.480736.288124.480669.	1650 5.3	0 44 25
1				
0	MD410 WB	AG288124.480669.287600.480467.	1650 5.3	0 44 25
1.0	04 1000 0Y 5 0 72			

JOB: S16 GTB Trail EXAM

RUN: S16 GTB Trail EXAM

DATE: 11/02/2007 TIME: 11:02:20.51

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	810.	5.1	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	810.	5.1	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	810.	5.1	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1650.	5.3	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1650.	5.3	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1650.	5.3	.0	44.0	

JOB: S16 GTB Trail EXAM

RUN: S16 GTB Trail EXAM

DATE: 11/02/2007 TIME: 11:02:20.51

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288147.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 GTB Trail EXAM

RUN: S16 GTB Trail EXAM

DATE: 11/02/2007 TIME: 11:02:20.51

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*

46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287841.0	480301.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

1

JOB: S16 GTB Trail EXAM

RUN: S16 GTB Trail EXAM

PAGE 4

# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.1	.1	.2	.2	.2	.2	.3	.3	.3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.2	.2	.1	.2	.4	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.1	.2	.2	.3	.2	.3	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.1	.1	.2	.1	.3	.2	.4	.3	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.1	.0	.2	.1	.3	.2	.4	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.1	.2	.3	.2	.4	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.2	.3	.2	.3	.5	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.1	.2	.3	.3	.3	.5	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.1	.1	.2	.3	.3	.4	.5	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.1	.1	.2	.3	.4	.4	.6	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.1	.1	.2	.4	.2	.5	.5	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.1
55.	*	.0	.0	.1	.1	.4	.2	.5	.5	.5	.4	.4	.1	.1	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.1	.1	.2	.2	.4	.3	.3	.3	.3	.1	.1	.1	.1	.0	.0	.0	.1
65.	*	.0	.0	.0	.0	.1	.1	.4	.3	.3	.3	.3	.1	.1	.1	.1	.1	.1	.0	.3
70.	*	.0	.0	.0	.0	.0	.0	.2	.3	.3	.1	.1	.2	.1	.1	.1	.1	.1	.0	.3
75.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.2	.2	.1	.1	.1	.1	.1	.3
80.	*	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.2	.2	.1	.2	.1	.1	.1	.3
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.1	.3
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.1	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1	.2	.1	.1	.1	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1	.1	.1	.1	.1	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.1	.1	.1	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.1	.1	.1	.2
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.2

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JOB: S16 GTB Trail EXAM

RUN: S16 GTB Trail EXAM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.1	.0	.2
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.2



JOB: S16 GTB Trail EXAM

RUN: S16 GTB Trail EXAM

WIND ANGLE RANGE: 0.-360.

```
WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
-----*-----
210. * .1 .1 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1
215. * .2 .1 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1
220. * .2 .2 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
225. * .1 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
230. * .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
235. * .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
240. * .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
245. * .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
250. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
255. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
260. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
265. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
270. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
275. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
280. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
285. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
290. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
295. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
300. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
305. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
310. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
315. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
320. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
325. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
330. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
335. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
340. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
345. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
350. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
355. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
360. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
-----*-----
MAX * .3 .3 .3 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0 .1
DEGR. * 70 65 70 70 80 0 0 0 0 0 0 0 0 0 0 0 145 0 115 90
```

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JOB: S16 GTB Trail EXAM

RUN: S16 GTB Trail EXAM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

```
WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55 REC56 REC57 REC58 REC59 REC60
-----*-----
0. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .2 .2
5. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .2 .2
10. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .2
15. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .2
20. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .2
25. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .2
30. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .2
35. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .1
40. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .1
45. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .3 .2
50. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3 .1
55. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .0 .0 .3 .2 .1
60. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .3 .2 .0
65. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .0 .2 .0
70. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .0 .1 .0
75. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .2 .0 .0 .0
80. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .1 .1 .0 .0 .0
85. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .1 .1 .0 .0 .0
90. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .2 .1 .0 .0 .0
95. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .1 .1 .0 .0 .0
100. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .3 .3 .3 .0 .0 .0
105. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .3 .3 .3 .0 .0 .0
110. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .3 .3 .3 .0 .0 .0
115. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .3 .0 .0 .0
120. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .3 .0 .0 .0
125. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .3 .0 .0 .0
130. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .2 .0 .0 .0
135. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .2 .0 .0 .0
140. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .2 .0 .0 .0
145. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .2 .0 .0 .0
150. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .2 .0 .0 .0
155. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .2 .0 .0 .0
160. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .2 .0 .0 .0
165. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .2 .0 .0 .0
```



120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 GTB Trail EXAM

RUN: S16 GTB Trail EXAM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	10	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .70 PPM AT 255 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS .60 PPM AT 45 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .60 PPM AT 35 DEGREES FROM REC8 .



S16 GTB Trail EXPM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288147.	480785.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287841.	480301.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail EXPM			6	1	0
1					
0	MD410 EB	AG287628.480452.288098.480634.	1895 6.8	0 44	14
1					
0	MD410 EB	AG288098.480634.288253.480710.	1895 6.8	0 44	14
1					
0	MD410 EB	AG288253.480710.289019.481241.	1895 6.8	0 44	14
1					
0	MD410 WB	AG288976.481266.288250.480736.	1025 5.2	0 44	26
1					
0	MD410 WB	AG288250.480736.288124.480669.	1025 5.2	0 44	26
1					
0	MD410 WB	AG288124.480669.287600.480467.	1025 5.2	0 44	26
1.0	04 1000 0Y 5 0 72				

JOB: S16 GTB Trail EXPM

RUN: S16 GTB Trail EXPM

DATE: 11/02/2007 TIME: 11:05:07.16

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	1895.	6.8	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	1895.	6.8	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	1895.	6.8	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1025.	5.2	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1025.	5.2	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1025.	5.2	.0	44.0	

JOB: S16 GTB Trail EXPM

RUN: S16 GTB Trail EXPM

DATE: 11/02/2007 TIME: 11:05:07.16

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288147.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 GTB Trail EXPM

RUN: S16 GTB Trail EXPM

DATE: 11/02/2007 TIME: 11:05:07.16

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*

46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287841.0	480301.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 GTB Trail EXPM

RUN: S16 GTB Trail EXPM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.3	.3	.4	.4	.5	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.3	.3	.4	.4	.5	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.1	.3	.4	.4	.4	.6	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.1	.2	.3	.4	.4	.4	.6	.6	.7	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.1	.2	.4	.3	.4	.4	.6	.6	.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.2	.1	.3	.2	.3	.4	.6	.7	.8	.9	.8	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.2	.2	.2	.3	.4	.5	.6	.8	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.2	.2	.3	.4	.5	.5	.8	.9	.8	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.2	.2	.3	.3	.6	.6	.9	.9	.9	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.2	.1	.4	.4	.6	.5	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.1	.1	.3	.4	.5	.4	.9	.8	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.1
55.	*	.1	.1	.2	.4	.5	.4	.9	.8	.9	.9	.8	.1	.1	.0	.0	.0	.0	.0	.2
60.	*	.1	.1	.2	.2	.3	.3	.9	.7	.8	.7	.7	.2	.1	.1	.1	.0	.0	.0	.2
65.	*	.0	.0	.1	.2	.2	.1	.7	.6	.6	.6	.5	.2	.2	.2	.2	.1	.1	.0	.3
70.	*	.0	.0	.1	.1	.1	.1	.4	.4	.5	.4	.4	.3	.2	.2	.2	.2	.2	.0	.3
75.	*	.0	.0	.0	.0	.0	.0	.3	.2	.4	.3	.3	.3	.3	.2	.2	.2	.2	.1	.3
80.	*	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.3	.3	.3	.3	.3	.2	.2	.1	.3
85.	*	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.3	.3	.3	.3	.2	.2	.1	.3
90.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	.3	.3	.3	.2	.2	.2	.3
95.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.3	.3	.3	.3	.2	.2	.2	.3
100.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.3	.3	.3	.3	.2	.2	.2	.3
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.3	.2	.2	.3	.2	.2	.3
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.3
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.2	.2	.1	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.3
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2	.2	.2	.1	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2	.2	.2	.1	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.2	.2	.1	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.2	.2	.2	.2	.1	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.3
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.1	.1	.2	.2	.2	.1	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.2	.2	.2	.2	.1	.3
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.2	.2	.2	.1	.3
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.1	.2	.2	.2	.1	.3
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.1	.3	.1	.2	.2	.1	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.3	.2	.1	.1	.2	.1	.2	.3
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.3	.2	.2	.1	.2	.2	.1	.3

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JOB: S16 GTB Trail EXPM

RUN: S16 GTB Trail EXPM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.2	.2	.1	.1	.1	.0	.3
215.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.2	.2	.2	.2	.1	.0	.0	.3



JOB: S16 GTB Trail EXPM

RUN: S16 GTB Trail EXPM

WIND ANGLE RANGE: 0.-360.

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WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
-----*-----
210. * .3 .2 .2 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0 .1 .1
215. * .2 .2 .1 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1
220. * .2 .2 .2 .3 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
225. * .3 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
230. * .2 .2 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
235. * .2 .2 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
240. * .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
245. * .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
250. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
255. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
260. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
265. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
270. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
275. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
280. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
285. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
290. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
295. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
300. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
305. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
310. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
315. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
320. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
325. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
330. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
335. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
340. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
345. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
350. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
355. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
360. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
-----*-----
MAX * .3 .3 .3 .3 .3 .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1 .2
DEGR. * 65 65 70 70 80 110 120 130 140 150 160 175 0 175 160 145 130 125 110 185
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JOB: S16 GTB Trail EXPM

RUN: S16 GTB Trail EXPM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

```
WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55 REC56 REC57 REC58 REC59 REC60
-----*-----
0. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .3
5. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .3
10. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .3
15. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .3
20. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .3
25. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .3
30. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .3
35. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .2
40. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .4 .2
45. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .4 .3
50. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .6 .5 .3
55. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .0 .5 .5 .3
60. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .4 .4 .1
65. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .1 .1 .1 .3 .3 .1
70. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .2 .1 .2 .1 .3 .2 .0
75. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .2 .2 .2 .1 .1 .0
80. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .2 .2 .4 .0 .1 .0
85. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .4 .3 .0 .0
90. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .3 .0 .0
95. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .3 .2 .0
100. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .3 .3 .4 .0 .0
105. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .3 .3 .0 .0
110. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .3 .3 .0 .0
115. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .2 .3 .3 .0 .0
120. * .1 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .3 .3 .3 .0 .0
125. * .1 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .3 .3 .3 .0 .0
130. * .1 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .3 .3 .3 .0 .0
135. * .1 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .2 .3 .3 .3 .0 .0
140. * .1 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .3 .3 .3 .3 .0 .0
145. * .1 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .3 .3 .3 .3 .0 .0
150. * .1 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .3 .3 .3 .3 .0 .0
155. * .1 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .0 .1 .2 .3 .3 .3 .0 .0
160. * .1 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .0 .1 .2 .3 .3 .3 .0 .0
165. * .1 .0 .0 .0 .0 .0 .1 .1 .1 .1 .0 .1 .1 .2 .3 .3 .3 .0 .0
```



120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

1

JOB: S16 GTB Trail EXPM

RUN: S16 GTB Trail EXPM

PAGE 11

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
MAX	*	.2	.1	.1	.1	.1	.1	.0	.0	.0	.0
DEGR.	*	40	0	0	15	20	25	0	0	0	0

THE HIGHEST CONCENTRATION IS 1.10 PPM AT 255 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 260 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 45 DEGREES FROM REC7 .

S16 GTB Trail NB15AM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288147.	480785.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287841.	480301.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail NB15AM			6	1	0
1					
0	MD410 EB	AG287628.480452.288098.480634.	900 3.1	0 44	25
1					
0	MD410 EB	AG288098.480634.288253.480710.	900 3.1	0 44	25
1					
0	MD410 EB	AG288253.480710.289019.481241.	900 3.1	0 44	25
1					
0	MD410 WB	AG288976.481266.288250.480736.	1825 3.2	0 44	23
1					
0	MD410 WB	AG288250.480736.288124.480669.	1825 3.2	0 44	23
1					
0	MD410 WB	AG288124.480669.287600.480467.	1825 3.2	0 44	23
1.0	04 1000 0Y 5 0 72				



JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

DATE: 11/02/2007 TIME: 13:16:44.62

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	900.	3.1	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	900.	3.1	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	900.	3.1	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1825.	3.2	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1825.	3.2	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1825.	3.2	.0	44.0	

JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

DATE: 11/02/2007 TIME: 13:16:44.62

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288147.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

DATE: 11/02/2007 TIME: 13:16:44.62

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*

46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287841.0	480301.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.0	.0	.1	.1	.1	.2	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.1	.1	.1	.2	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.1	.0	.2	.2	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.1	.0	.2	.2	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.1	.2	.3	.3	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.2	.3	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.1	.1	.3	.1	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.1	.1	.1	.1	.3	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.1	.1	.1	.1	.4	.3	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.0	.0	.1	.1	.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1
65.	*	.0	.0	.0	.0	.0	.0	.2	.3	.3	.2	.2	.1	.1	.1	.1	.1	.0	.0	.1
70.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1	.0	.1
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.1

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JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1

220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.1
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.1
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1
240.	*	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.3	.1	.0	.0	.0	.0	.0	.1
245.	*	.0	.0	.0	.0	.0	.0	.2	.3	.2	.3	.4	.0	.0	.0	.0	.0	.0	.1
250.	*	.0	.0	.0	.0	.0	.1	.2	.3	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.1	.2	.2	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.1	.2	.2	.3	.4	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.1	.1	.2	.2	.3	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.1	.2	.2	.2	.3	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.1	.2	.2	.2	.4	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.2	.2	.2	.2	.4	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.2	.2	.2	.2	.4	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.1	.1	.2	.2	.2	.4	.3	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.1	.1	.2	.2	.2	.3	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.1	.1	.2	.2	.1	.3	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.1	.1	.2	.1	.2	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0
310.	*	.1	.1	.1	.1	.2	.1	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.1	.1	.1	.2	.1	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.1	.1	.1	.2	.1	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.1	.1	.1	.2	.1	.2	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.1	.1	.1	.2	.1	.2	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.1	.1	.1	.2	.1	.2	.2	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.1	.1	.1	.2	.2	.3	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.1	.1	.1	.1	.2	.3	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.1	.1	.1	.2	.3	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.1	.1	.1	.2	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.2	.2	.3	.3	.4	.4	.5	.4	.4	.1	.1	.1	.1	.1	.1	.1
DEGR.	*	305	290	280	40	40	35	55	40	35	30	35	55	60	65	65	65	70	70
																		85	55

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JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
100.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
105.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
110.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
115.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
120.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
125.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
135.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
140.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
145.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
150.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
155.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
160.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
165.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
170.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
175.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
180.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
185.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
190.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
195.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
200.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
205.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1

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JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40

210.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
DEGR.	*	55	55	55	55	60	0	0	0	0	0	0	0	0	0	0	0	0	105

1

JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

PAGE 8

MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55 REC56 REC57 REC58 REC59 REC60

0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0



120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 GTB Trail NB15AM

RUN: S16 GTB Trail NB15AM

PAGE 11

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .50 PPM AT 35 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS .40 PPM AT 55 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .40 PPM AT 40 DEGREES FROM REC8 .

S16 GTB Trail NB15PM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288147.	480785.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287841.	480301.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail NB15PM			6	1	0
1					
0	MD410 EB	AG287628.480452.288098.480634.	2075 4.2	0 44	13
1					
0	MD410 EB	AG288098.480634.288253.480710.	2075 4.2	0 44	13
1					
0	MD410 EB	AG288253.480710.289019.481241.	2075 4.2	0 44	13
1					
0	MD410 WB	AG288976.481266.288250.480736.	1125 3.2	0 44	23
1					
0	MD410 WB	AG288250.480736.288124.480669.	1125 3.2	0 44	23
1					
0	MD410 WB	AG288124.480669.287600.480467.	1125 3.2	0 44	23
1.0	04 1000 0Y 5 0 72				

JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

DATE: 11/02/2007 TIME: 13:18:24.58

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	2075.	4.2	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	2075.	4.2	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	2075.	4.2	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1125.	3.2	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1125.	3.2	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1125.	3.2	.0	44.0	

JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

DATE: 11/02/2007 TIME: 13:18:24.58

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288147.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

DATE: 11/02/2007 TIME: 13:18:24.58

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*



46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287841.0	480301.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.1	.1	.3	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.1	.1	.2	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.1	.1	.1	.2	.3	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.1	.1	.1	.2	.2	.3	.4	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.1	.0	.1	.2	.2	.3	.4	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.1	.2	.2	.2	.3	.5	.4	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.1	.2	.2	.2	.4	.5	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.2	.2	.1	.3	.3	.6	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.1	.1	.3	.2	.3	.3	.6	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.1	.1	.2	.2	.3	.3	.7	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.1	.1	.2	.2	.2	.3	.8	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.2	.2	.2	.2	.6	.6	.6	.6	.6	.1	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.1	.2	.2	.1	.5	.5	.6	.5	.5	.1	.1	.1	.0	.0	.0	.0	.2
65.	*	.0	.0	.1	.1	.2	.1	.4	.4	.4	.3	.3	.2	.1	.1	.1	.0	.0	.0	.2
70.	*	.0	.0	.0	.0	.1	.1	.3	.2	.3	.3	.3	.2	.1	.1	.1	.1	.1	.0	.2
75.	*	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.2	.1	.1	.0	.2
80.	*	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.2	.2	.2	.2	.1	.1	.1	.2
85.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.2	.2	.2	.1	.1	.1	.2
90.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.2	.2	.2	.2	.1	.1	.1	.2
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.2	.1	.1	.1	.2
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.1	.1	.1	.1	.2
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.2
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.1	.2
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.1	.0	.1

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JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.2
215.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.2

220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.1
225.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.2	.1	.1	.1	.1	.0	.0	.0	.2
230.	*	.0	.0	.0	.0	.0	.0	.1	.2	.3	.2	.3	.2	.1	.1	.1	.1	.0	.0	.0	.2
235.	*	.0	.0	.0	.0	.0	.0	.3	.2	.3	.3	.5	.1	.1	.1	.1	.0	.0	.0	.0	.2
240.	*	.0	.0	.0	.0	.0	.1	.3	.2	.4	.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	.1
245.	*	.0	.0	.0	.0	.1	.1	.4	.5	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1
250.	*	.0	.0	.1	.1	.1	.1	.5	.5	.6	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.1	.1	.2	.2	.5	.6	.6	.8	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.1	.1	.3	.3	.6	.6	.6	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.1	.2	.3	.3	.5	.6	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.1	.3	.3	.3	.6	.5	.7	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.1	.3	.3	.3	.3	.6	.5	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.3	.3	.3	.3	.5	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.3	.3	.3	.3	.5	.4	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.3	.3	.3	.3	.5	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.1	.1	.3	.3	.3	.3	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.1	.1	.2	.3	.3	.2	.4	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.1	.3	.3	.2	.4	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.1	.1	.1	.3	.3	.3	.5	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.1	.1	.3	.3	.3	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.1	.1	.3	.3	.3	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.1	.1	.3	.3	.3	.4	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.1	.1	.1	.3	.3	.2	.4	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.1	.1	.3	.3	.1	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.1	.1	.2	.3	.2	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.1	.1	.1	.2	.3	.2	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.1	.1	.1	.2	.2	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.1	.1	.1	.2	.3	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.1	.1	.1	.1	.3	.2	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.2	.3	.3	.3	.4	.8	.7	.7	.8	.7	.2	.2	.2	.2	.2	.1	.1	.1	.2
DEGR.	*	0	35	40	270	0	30	50	40	265	255	250	65	75	75	80	75	70	70	80	60

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JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
100.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
105.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
110.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
115.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
120.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
125.	*	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
130.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
135.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
140.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
145.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
150.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
155.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
160.	*	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
165.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
170.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
175.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
180.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
185.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
190.	*	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
195.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
200.	*	.1	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
205.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1

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PAGE 7

JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
215.	*	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
DEGR.	*	65	60	65	65	70	0	0	0	0	0	0	0	0	0	0	150	0	120	95

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JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55	REC56	REC57	REC58	REC59	REC60
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.3	.3	.1
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.1	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.1	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.2	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.2	.2	.0	.0	.0
100.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.2	.2	.0	.0	.0
105.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.2	.2	.0	.0	.0
110.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0	.0
115.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0	.0
120.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0	.0
125.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.2	.2	.0	.0	.0
130.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.2	.2	.0	.0	.0
135.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.2	.2	.0	.0	.0
140.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
145.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
150.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
155.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
160.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
165.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0



120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 GTB Trail NB15PM

RUN: S16 GTB Trail NB15PM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	10	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .80 PPM AT 50 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS .70 PPM AT 40 DEGREES FROM REC8 .

S16 GTB Trail HB15AM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288156.	480776.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287832.	480306.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail HB15AM			27 1 0		
1					
0	MD410 EB	AG287628.480452.288098.480634.	900 3.1 0 44	25	
1					
0	MD410 EB	AG288098.480634.288253.480710.	900 3.1 0 44	25	
1					
0	MD410 EB	AG288253.480710.289019.481241.	900 3.1 0 44	25	
1					
0	MD410 WB	AG288976.481266.288250.480736.	1825 3.2 0 44	23	
1					
0	MD410 WB	AG288250.480736.288124.480669.	1825 3.2 0 44	23	
1					
0	MD410 WB	AG288124.480669.287600.480467.	1825 3.2 0 44	23	
1					
0	BUS	AG287066.479669.287268.479744.	34 2.5 0 32	25	
1					
0	BUS	AG287268.479744.287417.479822.	34 2.5 0 32	25	
1					
0	BUS	AG287417.479822.287540.479906.	34 2.5 0 32	25	
1					
0	BUS	AG287540.479906.287677.480024.	34 2.5 0 32	25	
1					
0	BUS	AG287677.480024.287803.480169.	34 2.5 0 32	25	
1					

0		BUS	AG287803.480169.287881.480287.	34	2.5	0	32	25
0	1	BUS	AG287881.480287.287961.480432.	34	2.5	0	32	25
0	1	BUS	AG287961.480432.288213.480967.	34	2.5	0	32	25
0	1	BUS	AG288213.480967.288605.481795.	34	2.5	0	32	25
0	1	BUS	AG288605.481795.288753.482088.	34	2.5	0	32	25
0	1	BUS S	AG288741.482089.288601.481812.	34	2.5	0	32	25
0	1	BUS S	AG288601.481812.288282.481147.	34	2.5	0	32	25
0	1	BUS S	AG288282.481147.288026.480596.	34	2.5	0	32	25
0	1	BUS S	AG288026.480596.287907.480356.	34	2.5	0	32	25
0	1	BUS S	AG287907.480356.287826.480222.	34	2.5	0	32	25
0	1	BUS S	AG287826.480222.287711.480077.	34	2.5	0	32	25
0	1	BUS S	AG287711.480077.287605.479977.	34	2.5	0	32	25
0	1	BUS S	AG287605.479977.287492.479886.	34	2.5	0	32	25
0	1	BUS S	AG287492.479886.287337.479792.	34	2.5	0	32	25
0	1	BUS S	AG287337.479792.287180.479724.	34	2.5	0	32	25
0	1	BUS S	AG287180.479724.287041.479674.	34	2.5	0	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S16 GTB Trail HB15AM

RUN: S16 GTB Trail HB15AM

DATE: 11/02/2007 TIME: 13:12:05.60

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	MD410 EB	* 287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	900.	3.1	.0	44.0	
2. 0	MD410 EB	* 288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	900.	3.1	.0	44.0	
3. 0	MD410 EB	* 288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	900.	3.1	.0	44.0	
4. 0	MD410 WB	* 288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1825.	3.2	.0	44.0	
5. 0	MD410 WB	* 288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1825.	3.2	.0	44.0	
6. 0	MD410 WB	* 288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1825.	3.2	.0	44.0	
7. 0	BUS	* 287066.0	479669.0	287268.0	479744.0	*	215.	70. AG	34.	2.5	.0	32.0	
8. 0	BUS	* 287268.0	479744.0	287417.0	479822.0	*	168.	62. AG	34.	2.5	.0	32.0	
9. 0	BUS	* 287417.0	479822.0	287540.0	479906.0	*	149.	56. AG	34.	2.5	.0	32.0	
10. 0	BUS	* 287540.0	479906.0	287677.0	480024.0	*	181.	49. AG	34.	2.5	.0	32.0	
11. 0	BUS	* 287677.0	480024.0	287803.0	480169.0	*	192.	41. AG	34.	2.5	.0	32.0	
12. 0	BUS	* 287803.0	480169.0	287881.0	480287.0	*	141.	33. AG	34.	2.5	.0	32.0	
13. 0	BUS	* 287881.0	480287.0	287961.0	480432.0	*	166.	29. AG	34.	2.5	.0	32.0	
14. 0	BUS	* 287961.0	480432.0	288213.0	480967.0	*	591.	25. AG	34.	2.5	.0	32.0	
15. 0	BUS	* 288213.0	480967.0	288605.0	481795.0	*	916.	25. AG	34.	2.5	.0	32.0	
16. 0	BUS	* 288605.0	481795.0	288753.0	482088.0	*	328.	27. AG	34.	2.5	.0	32.0	
17. 0	BUS S	* 288741.0	482089.0	288601.0	481812.0	*	310.	207. AG	34.	2.5	.0	32.0	
18. 0	BUS S	* 288601.0	481812.0	288282.0	481147.0	*	738.	206. AG	34.	2.5	.0	32.0	
19. 0	BUS S	* 288282.0	481147.0	288026.0	480596.0	*	608.	205. AG	34.	2.5	.0	32.0	
20. 0	BUS S	* 288026.0	480596.0	287907.0	480356.0	*	268.	206. AG	34.	2.5	.0	32.0	
21. 0	BUS S	* 287907.0	480356.0	287826.0	480222.0	*	157.	211. AG	34.	2.5	.0	32.0	
22. 0	BUS S	* 287826.0	480222.0	287711.0	480077.0	*	185.	218. AG	34.	2.5	.0	32.0	
23. 0	BUS S	* 287711.0	480077.0	287605.0	479977.0	*	146.	227. AG	34.	2.5	.0	32.0	
24. 0	BUS S	* 287605.0	479977.0	287492.0	479886.0	*	145.	231. AG	34.	2.5	.0	32.0	
25. 0	BUS S	* 287492.0	479886.0	287337.0	479792.0	*	181.	239. AG	34.	2.5	.0	32.0	
26. 0	BUS S	* 287337.0	479792.0	287180.0	479724.0	*	171.	247. AG	34.	2.5	.0	32.0	
27. 0	BUS S	* 287180.0	479724.0	287041.0	479674.0	*	148.	250. AG	34.	2.5	.0	32.0	

JOB: S16 GTB Trail HB15AM

RUN: S16 GTB Trail HB15AM

DATE: 11/02/2007 TIME: 13:12:05.60

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
-----*									

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288156.0	480776.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*



36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

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JOB: S16 GTB Trail HB15AM  
DATE: 11/02/2007 TIME: 13:12:05.60

RUN: S16 GTB Trail HB15AM

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## RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287832.0	480306.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 GTB Trail HB15AM

RUN: S16 GTB Trail HB15AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.0	.1	.1	.1	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.1	.1	.1	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.1	.0	.2	.2	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.1	.0	.2	.2	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.1	.2	.3	.3	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.2	.3	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.1	.1	.3	.1	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.1	.1	.1	.1	.3	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.1	.1	.1	.1	.4	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.0	.0	.1	.1	.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1
65.	*	.0	.0	.0	.0	.0	.0	.2	.3	.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.1
70.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1







15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

1

JOB: S16 GTB Trail HB15AM

RUN: S16 GTB Trail HB15AM

PAGE 11

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION											
ANGLE	*	(PPM)										
(DEGR)	* REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70		
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
DEGR.	*	0	0	0	0	0	0	0	0	0	0	

THE HIGHEST CONCENTRATION IS .50 PPM AT 35 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS .40 PPM AT 55 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .40 PPM AT 40 DEGREES FROM REC8 .

S16 GTB Trail HB15PM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288156.	480776.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287832.	480306.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail HB15PM			27 1 0		
1					
0	MD410 EB	AG287628.480452.288098.480634.	2075 4.2 0 44	13	
1					
0	MD410 EB	AG288098.480634.288253.480710.	2075 4.2 0 44	13	
1					
0	MD410 EB	AG288253.480710.289019.481241.	2075 4.2 0 44	13	
1					
0	MD410 WB	AG288976.481266.288250.480736.	1125 3.2 0 44	23	
1					
0	MD410 WB	AG288250.480736.288124.480669.	1125 3.2 0 44	23	
1					
0	MD410 WB	AG288124.480669.287600.480467.	1125 3.2 0 44	23	
1					
0	BUS	AG287066.479669.287268.479744.	34 2.5 0 32	25	
1					
0	BUS	AG287268.479744.287417.479822.	34 2.5 0 32	25	
1					
0	BUS	AG287417.479822.287540.479906.	34 2.5 0 32	25	
1					
0	BUS	AG287540.479906.287677.480024.	34 2.5 0 32	25	
1					
0	BUS	AG287677.480024.287803.480169.	34 2.5 0 32	25	
1					

0		BUS	AG287803.480169.287881.480287.	34	2.5	0	32	25
0	1	BUS	AG287881.480287.287961.480432.	34	2.5	0	32	25
0	1	BUS	AG287961.480432.288213.480967.	34	2.5	0	32	25
0	1	BUS	AG288213.480967.288605.481795.	34	2.5	0	32	25
0	1	BUS	AG288605.481795.288753.482088.	34	2.5	0	32	25
0	1	BUS S	AG288741.482089.288601.481812.	34	2.5	0	32	25
0	1	BUS S	AG288601.481812.288282.481147.	34	2.5	0	32	25
0	1	BUS S	AG288282.481147.288026.480596.	34	2.5	0	32	25
0	1	BUS S	AG288026.480596.287907.480356.	34	2.5	0	32	25
0	1	BUS S	AG287907.480356.287826.480222.	34	2.5	0	32	25
0	1	BUS S	AG287826.480222.287711.480077.	34	2.5	0	32	25
0	1	BUS S	AG287711.480077.287605.479977.	34	2.5	0	32	25
0	1	BUS S	AG287605.479977.287492.479886.	34	2.5	0	32	25
0	1	BUS S	AG287492.479886.287337.479792.	34	2.5	0	32	25
0	1	BUS S	AG287337.479792.287180.479724.	34	2.5	0	32	25
0	1	BUS S	AG287180.479724.287041.479674.	34	2.5	0	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S16 GTB Trail HB15PM

RUN: S16 GTB Trail HB15PM

DATE: 11/02/2007 TIME: 13:14:51.42

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	MD410 EB	* 287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	2075.	4.2	.0	44.0	
2. 0	MD410 EB	* 288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	2075.	4.2	.0	44.0	
3. 0	MD410 EB	* 288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	2075.	4.2	.0	44.0	
4. 0	MD410 WB	* 288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1125.	3.2	.0	44.0	
5. 0	MD410 WB	* 288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1125.	3.2	.0	44.0	
6. 0	MD410 WB	* 288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1125.	3.2	.0	44.0	
7. 0	BUS	* 287066.0	479669.0	287268.0	479744.0	*	215.	70. AG	34.	2.5	.0	32.0	
8. 0	BUS	* 287268.0	479744.0	287417.0	479822.0	*	168.	62. AG	34.	2.5	.0	32.0	
9. 0	BUS	* 287417.0	479822.0	287540.0	479906.0	*	149.	56. AG	34.	2.5	.0	32.0	
10. 0	BUS	* 287540.0	479906.0	287677.0	480024.0	*	181.	49. AG	34.	2.5	.0	32.0	
11. 0	BUS	* 287677.0	480024.0	287803.0	480169.0	*	192.	41. AG	34.	2.5	.0	32.0	
12. 0	BUS	* 287803.0	480169.0	287881.0	480287.0	*	141.	33. AG	34.	2.5	.0	32.0	
13. 0	BUS	* 287881.0	480287.0	287961.0	480432.0	*	166.	29. AG	34.	2.5	.0	32.0	
14. 0	BUS	* 287961.0	480432.0	288213.0	480967.0	*	591.	25. AG	34.	2.5	.0	32.0	
15. 0	BUS	* 288213.0	480967.0	288605.0	481795.0	*	916.	25. AG	34.	2.5	.0	32.0	
16. 0	BUS	* 288605.0	481795.0	288753.0	482088.0	*	328.	27. AG	34.	2.5	.0	32.0	
17. 0	BUS S	* 288741.0	482089.0	288601.0	481812.0	*	310.	207. AG	34.	2.5	.0	32.0	
18. 0	BUS S	* 288601.0	481812.0	288282.0	481147.0	*	738.	206. AG	34.	2.5	.0	32.0	
19. 0	BUS S	* 288282.0	481147.0	288026.0	480596.0	*	608.	205. AG	34.	2.5	.0	32.0	
20. 0	BUS S	* 288026.0	480596.0	287907.0	480356.0	*	268.	206. AG	34.	2.5	.0	32.0	
21. 0	BUS S	* 287907.0	480356.0	287826.0	480222.0	*	157.	211. AG	34.	2.5	.0	32.0	
22. 0	BUS S	* 287826.0	480222.0	287711.0	480077.0	*	185.	218. AG	34.	2.5	.0	32.0	
23. 0	BUS S	* 287711.0	480077.0	287605.0	479977.0	*	146.	227. AG	34.	2.5	.0	32.0	
24. 0	BUS S	* 287605.0	479977.0	287492.0	479886.0	*	145.	231. AG	34.	2.5	.0	32.0	
25. 0	BUS S	* 287492.0	479886.0	287337.0	479792.0	*	181.	239. AG	34.	2.5	.0	32.0	
26. 0	BUS S	* 287337.0	479792.0	287180.0	479724.0	*	171.	247. AG	34.	2.5	.0	32.0	
27. 0	BUS S	* 287180.0	479724.0	287041.0	479674.0	*	148.	250. AG	34.	2.5	.0	32.0	

JOB: S16 GTB Trail HB15PM

RUN: S16 GTB Trail HB15PM

DATE: 11/02/2007 TIME: 13:14:51.42

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
-----*									

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288156.0	480776.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*



36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

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JOB: S16 GTB Trail HB15PM  
 DATE: 11/02/2007 TIME: 13:14:51.42

RUN: S16 GTB Trail HB15PM

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# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287832.0	480306.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 GTB Trail HB15PM

RUN: S16 GTB Trail HB15PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.1	.1	.3	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.1	.1	.2	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.1	.1	.1	.2	.3	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.1	.1	.1	.2	.2	.3	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.1	.0	.1	.2	.2	.3	.4	.4	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.1	.2	.2	.2	.3	.5	.4	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.1	.2	.2	.2	.4	.5	.5	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.2	.2	.1	.3	.3	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.1	.1	.3	.2	.3	.3	.6	.7	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.1	.1	.2	.2	.3	.3	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.1	.1	.2	.2	.2	.3	.8	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.2	.2	.2	.2	.6	.6	.6	.6	.1	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.1	.2	.2	.1	.5	.5	.6	.5	.1	.1	.1	.0	.0	.0	.0	.0	.2
65.	*	.0	.0	.1	.1	.2	.1	.4	.4	.4	.3	.2	.1	.1	.1	.1	.0	.0	.0	.2
70.	*	.0	.0	.0	.0	.1	.1	.3	.2	.3	.3	.2	.1	.1	.1	.1	.1	.1	.1	.2
75.	*	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.2	.1	.1	.1	.2
80.	*	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.2	.2	.2	.2	.2	.1	.1	.1	.2
85.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.1	.1	.2
90.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.2	.2	.2	.2	.2	.1	.1	.1	.2
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.1	.1	.2	.1	.1	.1	.2
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.1	.1	.1	.1	.2

155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.1	.1	.1	.1	.2
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.2
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.1	.1	.2
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.1	.0	.1

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JOB: S16 GTB Trail HB15PM

RUN: S16 GTB Trail HB15PM

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WIND * CONCENTRATION	
ANGLE *	(PPM)
(DEGR)*	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
210.	* .0 .0 .0 .0 .0 .0 .0 .1 .0 .1 .1 .1 .1 .1 .0 .0 .0 .0 .2
215.	* .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .0 .0 .0 .0 .2
220.	* .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .0 .0 .0 .0 .1
225.	* .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .1 .0 .0 .0 .0 .2
230.	* .0 .0 .0 .0 .0 .0 .1 .2 .3 .2 .3 .2 .1 .1 .1 .0 .0 .0 .2
235.	* .0 .0 .0 .0 .0 .0 .3 .2 .3 .3 .5 .2 .1 .1 .1 .0 .0 .0 .2
240.	* .0 .0 .0 .0 .0 .1 .3 .2 .4 .5 .6 .1 .0 .0 .0 .0 .0 .0 .1
245.	* .0 .0 .0 .0 .1 .1 .4 .5 .5 .6 .1 .0 .0 .0 .0 .0 .0 .0 .1
250.	* .0 .0 .1 .1 .1 .1 .5 .5 .6 .7 .7 .0 .0 .0 .0 .0 .0 .0 .0
255.	* .0 .0 .1 .1 .2 .2 .5 .6 .6 .8 .7 .0 .0 .0 .0 .0 .0 .0 .0
260.	* .0 .0 .1 .1 .3 .3 .6 .6 .6 .8 .6 .0 .0 .0 .0 .0 .0 .0 .0
265.	* .0 .0 .1 .2 .3 .3 .5 .6 .7 .7 .6 .0 .0 .0 .0 .0 .0 .0 .0
270.	* .0 .0 .1 .3 .3 .3 .6 .5 .7 .5 .7 .0 .0 .0 .0 .0 .0 .0 .0
275.	* .0 .1 .3 .3 .3 .3 .6 .5 .5 .5 .6 .0 .0 .0 .0 .0 .0 .0 .0
280.	* .1 .1 .3 .3 .3 .3 .5 .5 .5 .5 .4 .0 .0 .0 .0 .0 .0 .0 .0
285.	* .1 .1 .3 .3 .3 .3 .5 .4 .5 .5 .4 .0 .0 .0 .0 .0 .0 .0 .0
290.	* .1 .1 .3 .3 .3 .3 .5 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
295.	* .1 .1 .3 .3 .3 .3 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
300.	* .1 .1 .2 .3 .3 .2 .4 .4 .4 .5 .4 .0 .0 .0 .0 .0 .0 .0 .0
305.	* .1 .1 .1 .3 .3 .2 .4 .4 .4 .5 .4 .0 .0 .0 .0 .0 .0 .0 .0
310.	* .1 .1 .1 .3 .3 .3 .5 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
315.	* .1 .1 .1 .3 .3 .3 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
320.	* .1 .1 .1 .3 .3 .3 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
325.	* .1 .1 .1 .3 .3 .3 .4 .4 .4 .5 .4 .0 .0 .0 .0 .0 .0 .0 .0
330.	* .1 .1 .1 .3 .3 .2 .4 .4 .4 .3 .4 .0 .0 .0 .0 .0 .0 .0 .0
335.	* .1 .1 .1 .3 .3 .1 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
340.	* .1 .1 .1 .2 .3 .2 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
345.	* .1 .1 .1 .2 .3 .2 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
350.	* .1 .1 .1 .2 .2 .2 .3 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
355.	* .1 .1 .1 .2 .3 .2 .3 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
360.	* .1 .1 .1 .1 .3 .2 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0 .0
MAX	* .1 .2 .3 .3 .3 .4 .8 .7 .7 .8 .7 .2 .2 .2 .2 .2 .1 .1 .2
DEGR.	* 0 35 40 270 0 30 50 40 265 255 250 65 75 75 80 75 70 70 80 60

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JOB: S16 GTB Trail HB15PM

RUN: S16 GTB Trail HB15PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION	
ANGLE *	(PPM)
(DEGR)*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
0.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
5.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
10.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
15.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
20.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
25.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
30.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
35.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
40.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
45.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
50.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
55.	* .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
60.	* .1 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
65.	* .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
70.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
75.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
80.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
85.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
90.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
95.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1
100.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1
105.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1
110.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1





15.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0
20.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0
25.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0
30.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0
35.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 GTB Trail HB15PM

RUN: S16 GTB Trail HB15PM

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION											
ANGLE	*	(PPM)										
(DEGR)	* REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70		
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
315.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
320.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
325.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
330.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
335.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
340.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	
345.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
350.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
355.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
360.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
MAX	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	
DEGR.	*	0	0	10	0	0	0	0	0	0	0	

THE HIGHEST CONCENTRATION IS .80 PPM AT 50 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC10 .  
 THE 3RD HIGHEST CONCENTRATION IS .70 PPM AT 40 DEGREES FROM REC8 .

SL6 George Town Branch Trail LLRT	60.0321.0.0000.000700.30480000	1	1
Res South	287988. 480401.	5.0	
Res South	288038. 480433.	5.0	
Res South	288031. 480520.	5.0	
Res South	288063. 480542.	5.0	
Res South	288094. 480574.	5.0	
Res South	288137. 480591.	5.0	
Res South	288130. 480624.	5.0	
Res South	288182. 480648.	5.0	
Res South	288228. 480675.	5.0	
Res South	288270. 480699.	5.0	
Res South	288319. 480733.	5.0	
Res South	288152. 480785.	5.0	
Res South	288183. 480833.	5.0	
Res South	288222. 480867.	5.0	
Res South	288263. 480898.	5.0	
Res South	288324. 480934.	5.0	
Res South	288346. 480979.	5.0	
Res South	288411. 481018.	5.0	
Res South	288450. 481114.	5.0	
Res South	288194. 480791.	5.0	
Res South	288248. 480843.	5.0	
Res South	288290. 480863.	5.0	
Res South	288339. 480906.	5.0	
Res South	288381. 480938.	5.0	
Res South	288447. 481003.	5.0	
Res South	288435. 481339.	5.0	
Res South	288463. 481424.	5.0	
Res South	288523. 481477.	5.0	
Res South	288552. 481535.	5.0	
Res South	288589. 481607.	5.0	
Res South	288663. 481661.	5.0	
Res South	288698. 481767.	5.0	
Res South	288746. 481902.	5.0	
Res South	288758. 481780.	5.0	
Res South	288734. 481638.	5.0	
Res South	288617. 481567.	5.0	
Res South	288720. 481446.	5.0	
Res South	288556. 481461.	5.0	
Res South	288671. 481346.	5.0	
Res South	288606. 481234.	5.0	
Res South	288513. 481237.	5.0	
Res North	288543. 481976.	5.0	
Res North	288489. 481860.	5.0	
Res North	288460. 481783.	5.0	
Res North	288482. 481678.	5.0	
Res North	288437. 481639.	5.0	
Res North	288375. 481475.	5.0	
Res North	288343. 481414.	5.0	
Res North	288295. 481361.	5.0	
Res North	288247. 481253.	5.0	
Res North	288165. 481118.	5.0	
Res North	288120. 481014.	5.0	
Res North	288046. 480924.	5.0	
Res North	288027. 480743.	5.0	
Res North	287940. 480679.	5.0	
Res North	287898. 480646.	5.0	
Res North	287833. 480638.	5.0	
Res North	287907. 480506.	5.0	
Res North	287763. 480449.	5.0	
Res North	287894. 480437.	5.0	
Res North	287829. 480304.	5.0	
Res North	287758. 480211.	5.0	
Res North	287676. 480131.	5.0	
Res North	287583. 480053.	5.0	
Res North	287536. 480000.	5.0	
Res North	287481. 479962.	5.0	
Res North	287443. 479893.	5.0	
Res North	287372. 479853.	5.0	
Res North	287300. 479810.	5.0	
Res North	287130. 479740.	5.0	
SL6 George Town Branch Trail LLRT	6	1	0
1			
0	MD410 EB AG287628.480452.288098.480634.	900 3.1	0 44 25
1			
0	MD410 EB AG288098.480634.288253.480710.	900 3.1	0 44 25
1			
0	MD410 EB AG288253.480710.289019.481241.	900 3.1	0 44 25
1			
0	MD410 WB AG288976.481266.288250.480736.	1825 3.2	0 44 23
1			
0	MD410 WB AG288250.480736.288124.480669.	1825 3.2	0 44 23
1			
0	MD410 WB AG288124.480669.287600.480467.	1825 3.2	0 44 23
1.0	04 1000 0Y 5 0 72		

JOB: S16 George Town Branch Trail LLRT  
DATE: 11/02/2007 TIME: 11:32:56.95

RUN: S16 George Town Branch Trail LLRT

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	900.	3.1	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	900.	3.1	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	900.	3.1	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1825.	3.2	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1825.	3.2	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1825.	3.2	.0	44.0	

JOB: S16 George Town Branch Trail LLRT  
DATE: 11/02/2007 TIME: 11:32:56.95

RUN: S16 George Town Branch Trail LLRT

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288152.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 George Town Branch Trail LLRT  
DATE: 11/02/2007 TIME: 11:32:56.95

RUN: S16 George Town Branch Trail LLRT

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*

46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287894.0	480437.0	5.0	*
61. Res North	*	287829.0	480304.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 George Town Branch Trail LLRT

RUN: S16 George Town Branch Trail LLRT

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MODEL RESULTS  
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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.0	.1	.1	.1	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.1	.1	.1	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.1	.1	.1	.2	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.1	.0	.2	.2	.2	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.1	.0	.2	.2	.2	.3	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.1	.2	.3	.3	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.2	.3	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.1	.1	.3	.1	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.1	.1	.1	.1	.3	.4	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.1	.1	.1	.1	.4	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.0	.0	.1	.1	.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1
65.	*	.0	.0	.0	.0	.0	.0	.2	.3	.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.1
70.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1	.0	.1
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.1

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JOB: S16 George Town Branch Trail LLRT

RUN: S16 George Town Branch Trail LLRT

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1





WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
DEGR.	*	55	55	55	55	60	0	0	0	0	0	0	0	0	0	0	0	0	0	105

1

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55	REC56	REC57	REC58	REC59	REC60
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0



120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 George Town Branch Trail LLRT

RUN: S16 George Town Branch Trail LLRT

PAGE 11

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----											
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .50 PPM AT 35 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS .40 PPM AT 55 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .40 PPM AT 40 DEGREES FROM REC8 .

S16 George Town Branch Trail LL15PM	60.0321.0.0000.000700.30480000	1	1
Res South	287988. 480401.	5.0	
Res South	288038. 480433.	5.0	
Res South	288031. 480520.	5.0	
Res South	288063. 480542.	5.0	
Res South	288094. 480574.	5.0	
Res South	288137. 480591.	5.0	
Res South	288130. 480624.	5.0	
Res South	288182. 480648.	5.0	
Res South	288228. 480675.	5.0	
Res South	288270. 480699.	5.0	
Res South	288319. 480733.	5.0	
Res South	288152. 480785.	5.0	
Res South	288183. 480833.	5.0	
Res South	288222. 480867.	5.0	
Res South	288263. 480898.	5.0	
Res South	288324. 480934.	5.0	
Res South	288346. 480979.	5.0	
Res South	288411. 481018.	5.0	
Res South	288450. 481114.	5.0	
Res South	288194. 480791.	5.0	
Res South	288248. 480843.	5.0	
Res South	288290. 480863.	5.0	
Res South	288339. 480906.	5.0	
Res South	288381. 480938.	5.0	
Res South	288447. 481003.	5.0	
Res South	288435. 481339.	5.0	
Res South	288463. 481424.	5.0	
Res South	288523. 481477.	5.0	
Res South	288552. 481535.	5.0	
Res South	288589. 481607.	5.0	
Res South	288663. 481661.	5.0	
Res South	288698. 481767.	5.0	
Res South	288746. 481902.	5.0	
Res South	288758. 481780.	5.0	
Res South	288734. 481638.	5.0	
Res South	288617. 481567.	5.0	
Res South	288720. 481446.	5.0	
Res South	288556. 481461.	5.0	
Res South	288671. 481346.	5.0	
Res South	288606. 481234.	5.0	
Res South	288513. 481237.	5.0	
Res North	288543. 481976.	5.0	
Res North	288489. 481860.	5.0	
Res North	288460. 481783.	5.0	
Res North	288482. 481678.	5.0	
Res North	288437. 481639.	5.0	
Res North	288375. 481475.	5.0	
Res North	288343. 481414.	5.0	
Res North	288295. 481361.	5.0	
Res North	288247. 481253.	5.0	
Res North	288165. 481118.	5.0	
Res North	288120. 481014.	5.0	
Res North	288046. 480924.	5.0	
Res North	288027. 480743.	5.0	
Res North	287940. 480679.	5.0	
Res North	287898. 480646.	5.0	
Res North	287833. 480638.	5.0	
Res North	287907. 480506.	5.0	
Res North	287763. 480449.	5.0	
Res North	287894. 480437.	5.0	
Res North	287829. 480304.	5.0	
Res North	287758. 480211.	5.0	
Res North	287676. 480131.	5.0	
Res North	287583. 480053.	5.0	
Res North	287536. 480000.	5.0	
Res North	287481. 479962.	5.0	
Res North	287443. 479893.	5.0	
Res North	287372. 479853.	5.0	
Res North	287300. 479810.	5.0	
Res North	287130. 479740.	5.0	
S16 George Town Branch Trail LL15PM	6	1	0
1			
0	MD410 EB AG287628.480452.288098.480634.	2075 4.2	0 44 13
1			
0	MD410 EB AG288098.480634.288253.480710.	2075 4.2	0 44 13
1			
0	MD410 EB AG288253.480710.289019.481241.	2075 4.2	0 44 13
1			
0	MD410 WB AG288976.481266.288250.480736.	1125 3.2	0 44 23
1			
0	MD410 WB AG288250.480736.288124.480669.	1125 3.2	0 44 23
1			
0	MD410 WB AG288124.480669.287600.480467.	1125 3.2	0 44 23
1.0	04 1000 0Y 5 0 72		

JOB: S16 George Town Branch Trail LL15PM  
DATE: 11/02/2007 TIME: 11:35:04.92

RUN: S16 George Town Branch Trail LL15PM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	2075.	4.2	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	2075.	4.2	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	2075.	4.2	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1125.	3.2	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1125.	3.2	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1125.	3.2	.0	44.0	

JOB: S16 George Town Branch Trail LL15PM  
DATE: 11/02/2007 TIME: 11:35:04.92

RUN: S16 George Town Branch Trail LL15PM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288152.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 George Town Branch Trail LL15PM  
DATE: 11/02/2007 TIME: 11:35:04.92

RUN: S16 George Town Branch Trail LL15PM

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*

46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287894.0	480437.0	5.0	*
61. Res North	*	287829.0	480304.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 George Town Branch Trail LL15PM

RUN: S16 George Town Branch Trail LL15PM

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MODEL RESULTS  
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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.1	.1	.1	.1	.3	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.1	.1	.2	.2	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.1	.1	.1	.2	.3	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.1	.1	.1	.2	.2	.3	.4	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.1	.0	.1	.2	.2	.3	.4	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.1	.2	.2	.2	.3	.5	.4	.5	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.1	.2	.2	.2	.4	.5	.5	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.2	.2	.1	.3	.3	.6	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.1	.1	.3	.2	.3	.3	.6	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.1	.1	.2	.2	.3	.3	.7	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.1	.1	.2	.2	.2	.3	.8	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.2	.2	.2	.2	.6	.6	.6	.6	.6	.1	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.1	.2	.2	.1	.5	.5	.6	.5	.5	.1	.1	.1	.0	.0	.0	.0	.2
65.	*	.0	.0	.1	.1	.2	.1	.4	.4	.4	.3	.3	.2	.1	.1	.1	.1	.0	.0	.2
70.	*	.0	.0	.0	.0	.1	.1	.3	.2	.3	.3	.3	.2	.1	.1	.1	.1	.1	.0	.2
75.	*	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.1	.2	.1	.1	.0	.2
80.	*	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.2	.2	.2	.2	.1	.1	.1	.2
85.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.2	.2	.2	.1	.1	.1	.2
90.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.2	.2	.2	.2	.1	.1	.1	.2
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.1	.1	.2	.1	.1	.2
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.1	.1	.1	.1	.2
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.1	.1	.1	.1	.1	.2
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.1	.2
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.1	.0

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JOB: S16 George Town Branch Trail LL15PM

RUN: S16 George Town Branch Trail LL15PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.2
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.1	.1	.0	.0	.0	.2





WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
215.	*	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
DEGR.	*	65	60	65	65	70	0	0	0	0	0	0	0	0	0	0	150	0	120	95

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55	REC56	REC57	REC58	REC59	REC60
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.1
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.3	.3	.1
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.1	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.1	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.2	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.2	.2	.0	.0	.0
100.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.2	.2	.0	.0	.0
105.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.2	.2	.0	.0	.0
110.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0	.0
115.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0	.0
120.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0	.0
125.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.2	.2	.0	.0	.0
130.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.2	.2	.0	.0	.0
135.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.2	.2	.0	.0	.0
140.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
145.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
150.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
155.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
160.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0
165.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.0	.0	.0



120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

1

JOB: S16 George Town Branch Trail LL15PM

RUN: S16 George Town Branch Trail LL15PM

PAGE 11

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	10	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .80 PPM AT 50 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS .70 PPM AT 40 DEGREES FROM REC8 .

Site 16

Georgetown Branch Interim  
Trail ROW

2030

S16 GTB Trail NB30AM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288147.	480785.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287841.	480301.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail NB30AM			6	1	0
1					
0	MD410	EB	AG287628.480452.288098.480634.	1000	2.9 0 44 21
1					
0	MD410	EB	AG288098.480634.288253.480710.	1000	2.9 0 44 21
1					
0	MD410	EB	AG288253.480710.289019.481241.	1000	2.9 0 44 21
1					
0	MD410	WB	AG288976.481266.288250.480736.	2050	3.1 0 44 19
1					
0	MD410	WB	AG288250.480736.288124.480669.	2050	3.1 0 44 19
1					
0	MD410	WB	AG288124.480669.287600.480467.	2050	3.1 0 44 19
1.0	04	1000	0Y 5 0 72		

JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

DATE: 11/02/2007 TIME: 13:20:11.85

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	1000.	2.9	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	1000.	2.9	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	1000.	2.9	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	2050.	3.1	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	2050.	3.1	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	2050.	3.1	.0	44.0	

JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

DATE: 11/02/2007 TIME: 13:20:11.85

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288147.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

DATE: 11/02/2007 TIME: 13:20:11.85

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*

46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287841.0	480301.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

PAGE 4

# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.1	.1	.1	.1	.1	.2	.3	.3	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.1	.1	.1	.2	.2	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.0	.1	.1	.1	.2	.2	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.1	.1	.2	.2	.2	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.1	.1	.3	.2	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.1	.1	.2	.2	.3	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.1	.1	.2	.3	.3	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.1	.3	.3	.4	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.1	.1	.2	.3	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.1	.1	.2	.3	.1	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.1	.1	.2	.1	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.1
55.	*	.0	.0	.1	.1	.1	.1	.4	.3	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.0	.0	.1	.1	.4	.3	.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.1
65.	*	.0	.0	.0	.0	.0	.0	.2	.3	.3	.2	.2	.1	.1	.1	.1	.1	.0	.0	.1
70.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
75.	*	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1	.0	.1
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.1

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JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.2

220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1		
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.1		
230.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1		
235.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1		
240.	*	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.4	.1	.0	.0	.0	.0	.0	.1		
245.	*	.0	.0	.0	.0	.0	.0	.2	.3	.2	.3	.4	.1	.0	.0	.0	.0	.0	.1		
250.	*	.0	.0	.0	.0	.1	.1	.2	.3	.2	.3	.4	.0	.0	.0	.0	.0	.0	.0		
255.	*	.0	.0	.0	.0	.2	.2	.3	.4	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0		
260.	*	.0	.0	.1	.1	.2	.2	.3	.4	.3	.3	.4	.0	.0	.0	.0	.0	.0	.0		
265.	*	.0	.0	.1	.2	.2	.2	.3	.4	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0		
270.	*	.0	.0	.1	.2	.2	.2	.4	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0		
275.	*	.0	.0	.2	.2	.2	.2	.4	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0		
280.	*	.0	.0	.2	.2	.2	.2	.4	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0		
285.	*	.0	.1	.2	.2	.2	.2	.4	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0		
290.	*	.0	.1	.2	.2	.2	.2	.4	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0		
295.	*	.1	.1	.2	.2	.2	.2	.3	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0		
300.	*	.1	.1	.1	.2	.2	.1	.3	.2	.3	.4	.2	.0	.0	.0	.0	.0	.0	.0		
305.	*	.1	.1	.1	.2	.2	.1	.3	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0		
310.	*	.1	.1	.1	.2	.2	.1	.3	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0		
315.	*	.1	.1	.1	.2	.2	.1	.3	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0		
320.	*	.1	.1	.1	.2	.2	.1	.2	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0		
325.	*	.1	.1	.1	.2	.2	.1	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0		
330.	*	.1	.1	.1	.2	.2	.1	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0		
335.	*	.1	.1	.1	.2	.2	.1	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0		
340.	*	.1	.1	.1	.1	.2	.2	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0		
345.	*	.1	.1	.1	.1	.2	.2	.3	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0		
350.	*	.1	.1	.1	.1	.1	.3	.3	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0		
355.	*	.1	.1	.1	.1	.1	.2	.3	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0		
360.	*	.1	.1	.1	.1	.1	.2	.3	.3	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0		
MAX	*	.1	.1	.2	.2	.3	.3	.4	.4	.5	.4	.4	.1	.1	.1	.1	.1	.1	.2		
DEGR.	*	0	0	275	40	20	30	35	40	35	25	30	55	60	60	60	60	65	70	85	135

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JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
100.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
105.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
110.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
115.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
120.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
125.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
130.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
135.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
140.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
145.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
150.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
155.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
160.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
165.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
170.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
175.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
180.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
185.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
190.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
195.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
200.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
205.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1

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JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
DEGR.	*	55	55	55	55	60	0	0	0	0	0	0	0	0	0	0	0	0	185	100

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JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

PAGE 8

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55	REC56	REC57	REC58	REC59	REC60
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.2	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55 REC56 REC57 REC58 REC59 REC60

[illegible][illegible]

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## MODEL RESULTS

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC61 REC62 REC63 REC64 REC65 REC66 REC67 REC68 REC69 REC70

[illegible]

120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 GTB Trail NB30AM

RUN: S16 GTB Trail NB30AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .50 PPM AT 35 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS .40 PPM AT 35 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .40 PPM AT 40 DEGREES FROM REC8 .

S16 GTB Trail NB30PM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288147.	480785.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287841.	480301.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail NB30PM			6	1	0
1					
0	MD410 EB	AG287628.480452.288098.480634.	2375 4.0	0 44	11
1					
0	MD410 EB	AG288098.480634.288253.480710.	2375 4.0	0 44	11
1					
0	MD410 EB	AG288253.480710.289019.481241.	2375 4.0	0 44	11
1					
0	MD410 WB	AG288976.481266.288250.480736.	1275 3.0	0 44	20
1					
0	MD410 WB	AG288250.480736.288124.480669.	1275 3.0	0 44	20
1					
0	MD410 WB	AG288124.480669.287600.480467.	1275 3.0	0 44	20
1.0	04 1000 0Y 5 0 72				

JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

DATE: 11/02/2007 TIME: 13:22:14.72

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	2375.	4.0	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	2375.	4.0	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	2375.	4.0	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1275.	3.0	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1275.	3.0	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1275.	3.0	.0	44.0	

JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

DATE: 11/02/2007 TIME: 13:22:14.72

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288147.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

DATE: 11/02/2007 TIME: 13:22:14.72

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*

46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287841.0	480301.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.1	.1	.3	.3	.3	.2	.4	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.1	.2	.3	.2	.4	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.1	.1	.1	.2	.3	.4	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.1	.1	.1	.2	.2	.3	.5	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.1	.1	.1	.2	.2	.3	.5	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.1	.1	.2	.2	.2	.3	.5	.5	.7	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.1	.2	.2	.2	.4	.5	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.2	.2	.2	.3	.3	.6	.7	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.1	.1	.3	.2	.3	.4	.6	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.1	.1	.2	.2	.3	.4	.7	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.1	.1	.2	.2	.4	.4	.8	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.2	.2	.2	.3	.8	.6	.7	.7	.7	.1	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.2	.2	.2	.2	.6	.5	.6	.6	.6	.1	.1	.1	.1	.1	.0	.0	.2
65.	*	.0	.0	.1	.1	.2	.1	.4	.4	.5	.4	.4	.2	.1	.1	.1	.1	.1	.0	.2
70.	*	.0	.0	.0	.0	.1	.1	.3	.3	.3	.3	.3	.2	.2	.1	.1	.1	.1	.1	.3
75.	*	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.2	.2	.2	.2	.1	.1	.0	.3
80.	*	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.2	.2	.2	.2	.2	.1	.1	.3
85.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.1	.3
90.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.2	.2	.2	.2	.2	.1	.1	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.2	.1	.1	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.2	.2	.1	.1	.2
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.2	.1	.1	.1	.2
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1	.1	.1	.1	.1	.2
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.1	.1	.1	.1	.1	.2
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.1	.1	.1	.1	.2
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.1	.1	.1	.1	.2
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.1	.0	.1	.0	.1

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JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.1	.2	.1	.1	.0	.0	.0	.2
215.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.1	.1	.1	.0	.0	.0	.2

220.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.2	.1	.1	.1	.0	.0	.0	.2
225.	*	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.2	.1	.1	.1	.1	.0	.0	.2
230.	*	.0	.0	.0	.0	.0	.0	.1	.2	.3	.2	.3	.2	.1	.1	.1	.0	.0	.2
235.	*	.0	.0	.0	.0	.0	.0	.3	.2	.3	.4	.5	.2	.1	.1	.1	.0	.0	.2
240.	*	.0	.0	.0	.0	.1	.1	.3	.4	.4	.5	.6	.1	.1	.0	.0	.0	.0	.1
245.	*	.0	.0	.0	.0	.1	.1	.5	.5	.6	.7	.7	.0	.0	.0	.0	.0	.0	.1
250.	*	.0	.0	.1	.1	.1	.1	.5	.5	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.1	.1	.2	.2	.6	.6	.7	.8	.8	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.1	.1	.3	.3	.6	.6	.7	.8	.7	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.1	.2	.3	.3	.7	.6	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.1	.2	.3	.3	.3	.6	.5	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.1	.3	.3	.3	.3	.6	.6	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0
280.	*	.1	.1	.3	.3	.3	.3	.5	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0
285.	*	.1	.1	.3	.3	.3	.3	.5	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0
290.	*	.1	.1	.3	.3	.3	.3	.5	.5	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0
295.	*	.1	.1	.3	.3	.3	.3	.4	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0
300.	*	.1	.1	.3	.3	.3	.3	.5	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0
305.	*	.1	.1	.3	.3	.3	.2	.5	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0
310.	*	.1	.1	.3	.3	.3	.3	.5	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.1	.3	.3	.3	.3	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.1	.2	.3	.3	.3	.4	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.1	.3	.3	.3	.3	.4	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0
330.	*	.1	.1	.3	.3	.3	.3	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.1	.3	.3	.3	.3	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.1	.3	.3	.3	.2	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0
345.	*	.1	.1	.3	.3	.3	.2	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0
350.	*	.1	.1	.3	.3	.4	.2	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0
355.	*	.1	.1	.3	.3	.3	.2	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0
360.	*	.1	.1	.3	.3	.3	.2	.4	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.2	.3	.3	.4	.4	.8	.7	.7	.8	.8	.2	.2	.2	.2	.2	.1	.3
DEGR.	*	0	35	0	0	50	30	50	35	25	255	255	65	70	75	75	75	65	70

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JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
100.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
105.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
110.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
115.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
120.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
125.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
130.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
135.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
140.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
145.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
150.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
155.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
160.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
165.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
170.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
175.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
180.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
185.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
190.	*	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
195.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
200.	*	.1	.2	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
205.	*	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1

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PAGE 7

JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
215.	*	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
DEGR.	*	65	75	65	65	70	0	0	0	0	0	0	0	0	0	0	140	0	120	95

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JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

PAGE 8

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)*	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55	REC56	REC57	REC58	REC59	REC60
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.3	.1
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.0	.1	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.1	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.1	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.2	.0	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.1	.3	.2	.0	.0	.0	.0
100.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.2	.2	.0	.0	.0
105.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.2	.2	.0	.0	.0
110.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.0	.0	.0
115.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.2	.0	.0	.0
120.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.2	.0	.0	.0
125.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.2	.0	.0	.0
130.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.0	.0	.0
135.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.0	.0	.0
140.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.2	.0	.0	.0
145.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.2	.0	.0	.0
150.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.2	.0	.0	.0
155.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.2	.0	.0	.0
160.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.2	.0	.0	.0
165.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.2	.0	.0	.0





120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 GTB Trail NB30PM

RUN: S16 GTB Trail NB30PM

PAGE 11

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
-----											
MAX	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	5	25	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .80 PPM AT 50 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC11.

S16 GTB Trail HB30AM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288156.	480776.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287832.	480306.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail HB30AM			27 1 0		
1					
0	MD410 EB	AG287628.480452.288098.480634.	1000 2.9 0 44	21	
1					
0	MD410 EB	AG288098.480634.288253.480710.	1000 2.9 0 44	21	
1					
0	MD410 EB	AG288253.480710.289019.481241.	1000 2.9 0 44	21	
1					
0	MD410 WB	AG288976.481266.288250.480736.	2050 3.1 0 44	19	
1					
0	MD410 WB	AG288250.480736.288124.480669.	2050 3.1 0 44	19	
1					
0	MD410 WB	AG288124.480669.287600.480467.	2050 3.1 0 44	19	
1					
0	BUS	AG287066.479669.287268.479744.	34 0.4 0 32	25	
1					
0	BUS	AG287268.479744.287417.479822.	34 0.4 0 32	25	
1					
0	BUS	AG287417.479822.287540.479906.	34 0.4 0 32	25	
1					
0	BUS	AG287540.479906.287677.480024.	34 0.4 0 32	25	
1					
0	BUS	AG287677.480024.287803.480169.	34 0.4 0 32	25	
1					

0		BUS	AG287803.480169.287881.480287.	34	0.4	0	32	25
0	1	BUS	AG287881.480287.287961.480432.	34	0.4	0	32	25
0	1	BUS	AG287961.480432.288213.480967.	34	0.4	0	32	25
0	1	BUS	AG288213.480967.288605.481795.	34	0.4	0	32	25
0	1	BUS	AG288605.481795.288753.482088.	34	0.4	0	32	25
0	1	BUS S	AG288741.482089.288601.481812.	34	0.4	0	32	25
0	1	BUS S	AG288601.481812.288282.481147.	34	0.4	0	32	25
0	1	BUS S	AG288282.481147.288026.480596.	34	0.4	0	32	25
0	1	BUS S	AG288026.480596.287907.480356.	34	0.4	0	32	25
0	1	BUS S	AG287907.480356.287826.480222.	34	0.4	0	32	25
0	1	BUS S	AG287826.480222.287711.480077.	34	0.4	0	32	25
0	1	BUS S	AG287711.480077.287605.479977.	34	0.4	0	32	25
0	1	BUS S	AG287605.479977.287492.479886.	34	0.4	0	32	25
0	1	BUS S	AG287492.479886.287337.479792.	34	0.4	0	32	25
0	1	BUS S	AG287337.479792.287180.479724.	34	0.4	0	32	25
0	1	BUS S	AG287180.479724.287041.479674.	34	0.4	0	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S16 GTB Trail HB30AM

RUN: S16 GTB Trail HB30AM

DATE: 11/02/2007 TIME: 13:25:25.81

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	MD410 EB	* 287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	1000.	2.9	.0	44.0	
2. 0	MD410 EB	* 288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	1000.	2.9	.0	44.0	
3. 0	MD410 EB	* 288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	1000.	2.9	.0	44.0	
4. 0	MD410 WB	* 288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	2050.	3.1	.0	44.0	
5. 0	MD410 WB	* 288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	2050.	3.1	.0	44.0	
6. 0	MD410 WB	* 288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	2050.	3.1	.0	44.0	
7. 0	BUS	* 287066.0	479669.0	287268.0	479744.0	*	215.	70. AG	34.	.4	.0	32.0	
8. 0	BUS	* 287268.0	479744.0	287417.0	479822.0	*	168.	62. AG	34.	.4	.0	32.0	
9. 0	BUS	* 287417.0	479822.0	287540.0	479906.0	*	149.	56. AG	34.	.4	.0	32.0	
10. 0	BUS	* 287540.0	479906.0	287677.0	480024.0	*	181.	49. AG	34.	.4	.0	32.0	
11. 0	BUS	* 287677.0	480024.0	287803.0	480169.0	*	192.	41. AG	34.	.4	.0	32.0	
12. 0	BUS	* 287803.0	480169.0	287881.0	480287.0	*	141.	33. AG	34.	.4	.0	32.0	
13. 0	BUS	* 287881.0	480287.0	287961.0	480432.0	*	166.	29. AG	34.	.4	.0	32.0	
14. 0	BUS	* 287961.0	480432.0	288213.0	480967.0	*	591.	25. AG	34.	.4	.0	32.0	
15. 0	BUS	* 288213.0	480967.0	288605.0	481795.0	*	916.	25. AG	34.	.4	.0	32.0	
16. 0	BUS	* 288605.0	481795.0	288753.0	482088.0	*	328.	27. AG	34.	.4	.0	32.0	
17. 0	BUS S	* 288741.0	482089.0	288601.0	481812.0	*	310.	207. AG	34.	.4	.0	32.0	
18. 0	BUS S	* 288601.0	481812.0	288282.0	481147.0	*	738.	206. AG	34.	.4	.0	32.0	
19. 0	BUS S	* 288282.0	481147.0	288026.0	480596.0	*	608.	205. AG	34.	.4	.0	32.0	
20. 0	BUS S	* 288026.0	480596.0	287907.0	480356.0	*	268.	206. AG	34.	.4	.0	32.0	
21. 0	BUS S	* 287907.0	480356.0	287826.0	480222.0	*	157.	211. AG	34.	.4	.0	32.0	
22. 0	BUS S	* 287826.0	480222.0	287711.0	480077.0	*	185.	218. AG	34.	.4	.0	32.0	
23. 0	BUS S	* 287711.0	480077.0	287605.0	479977.0	*	146.	227. AG	34.	.4	.0	32.0	
24. 0	BUS S	* 287605.0	479977.0	287492.0	479886.0	*	145.	231. AG	34.	.4	.0	32.0	
25. 0	BUS S	* 287492.0	479886.0	287337.0	479792.0	*	181.	239. AG	34.	.4	.0	32.0	
26. 0	BUS S	* 287337.0	479792.0	287180.0	479724.0	*	171.	247. AG	34.	.4	.0	32.0	
27. 0	BUS S	* 287180.0	479724.0	287041.0	479674.0	*	148.	250. AG	34.	.4	.0	32.0	

JOB: S16 GTB Trail HB30AM

RUN: S16 GTB Trail HB30AM

DATE: 11/02/2007 TIME: 13:25:25.81

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
-----*									

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288156.0	480776.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*

36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

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JOB: S16 GTB Trail HB30AM  
DATE: 11/02/2007 TIME: 13:25:25.81

RUN: S16 GTB Trail HB30AM

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# RECEPTOR LOCATIONS

-----				
RECEPTOR	*	X	Y	Z
-----				
46. Res North	*	288437.0	481639.0	5.0
47. Res North	*	288375.0	481475.0	5.0
48. Res North	*	288343.0	481414.0	5.0
49. Res North	*	288295.0	481361.0	5.0
50. Res North	*	288247.0	481253.0	5.0
51. Res North	*	288165.0	481118.0	5.0
52. Res North	*	288120.0	481014.0	5.0
53. Res North	*	288046.0	480924.0	5.0
54. Res North	*	288027.0	480743.0	5.0
55. Res North	*	287940.0	480679.0	5.0
56. Res North	*	287898.0	480646.0	5.0
57. Res North	*	287833.0	480638.0	5.0
58. Res North	*	287907.0	480506.0	5.0
59. Res North	*	287763.0	480449.0	5.0
60. Res North	*	287900.0	480435.0	5.0
61. Res North	*	287832.0	480306.0	5.0
62. Res North	*	287758.0	480211.0	5.0
63. Res North	*	287676.0	480131.0	5.0
64. Res North	*	287583.0	480053.0	5.0
65. Res North	*	287536.0	480000.0	5.0
66. Res North	*	287481.0	479962.0	5.0
67. Res North	*	287443.0	479893.0	5.0
68. Res North	*	287372.0	479853.0	5.0
69. Res North	*	287300.0	479810.0	5.0
70. Res North	*	287130.0	479740.0	5.0

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JOB: S16 GTB Trail HB30AM

RUN: S16 GTB Trail HB30AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
-----																					
0.	*	.1	.1	.1	.1	.1	.2	.3	.3	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	
5.	*	.1	.1	.1	.1	.1	.2	.2	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
10.	*	.1	.0	.1	.1	.1	.2	.2	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
15.	*	.0	.0	.1	.1	.2	.2	.2	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
20.	*	.0	.0	.1	.1	.3	.2	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	
25.	*	.0	.0	.1	.1	.2	.2	.3	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	
30.	*	.0	.0	.1	.1	.2	.3	.3	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
35.	*	.0	.0	.0	.1	.3	.3	.4	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
40.	*	.0	.1	.1	.2	.3	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
45.	*	.0	.1	.1	.2	.3	.1	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	
50.	*	.0	.0	.1	.1	.2	.1	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.1	
55.	*	.0	.0	.1	.1	.1	.1	.4	.3	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.1	
60.	*	.0	.0	.0	.0	.1	.1	.4	.3	.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.1	
65.	*	.0	.0	.0	.0	.0	.0	.2	.3	.3	.2	.2	.1	.1	.1	.1	.1	.0	.0	.1	
70.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	
75.	*	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.1	
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1	
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	



115.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
120.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
125.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
130.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
135.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
140.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
145.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
150.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
155.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
160.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
165.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
170.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
175.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
180.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
185.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
190.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
195.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
200.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
205.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1

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JOB: S16 GTB Trail HB30AM

RUN: S16 GTB Trail HB30AM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40

210.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

MAX	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
DEGR.	*	55	55	55	55	60	0	0	0	0	0	0	0	0	0	0	0	0	185	100

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JOB: S16 GTB Trail HB30AM

RUN: S16 GTB Trail HB30AM

PAGE 8

MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55 REC56 REC57 REC58 REC59 REC60

0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.2	.0





15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 GTB Trail HB30AM

RUN: S16 GTB Trail HB30AM

PAGE 11

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .50 PPM AT 35 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS .40 PPM AT 35 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .40 PPM AT 40 DEGREES FROM REC8 .

S16 GTB Trail HB30PM			60.0321.0.0000.000700.30480000	1	1
Res South	287988.	480401.	5.0		
Res South	288038.	480433.	5.0		
Res South	288031.	480520.	5.0		
Res South	288063.	480542.	5.0		
Res South	288094.	480574.	5.0		
Res South	288137.	480591.	5.0		
Res South	288130.	480624.	5.0		
Res South	288182.	480648.	5.0		
Res South	288228.	480675.	5.0		
Res South	288270.	480699.	5.0		
Res South	288319.	480733.	5.0		
Res South	288156.	480776.	5.0		
Res South	288183.	480833.	5.0		
Res South	288222.	480867.	5.0		
Res South	288263.	480898.	5.0		
Res South	288324.	480934.	5.0		
Res South	288346.	480979.	5.0		
Res South	288411.	481018.	5.0		
Res South	288450.	481114.	5.0		
Res South	288194.	480791.	5.0		
Res South	288248.	480843.	5.0		
Res South	288290.	480863.	5.0		
Res South	288339.	480906.	5.0		
Res South	288381.	480938.	5.0		
Res South	288447.	481003.	5.0		
Res South	288435.	481339.	5.0		
Res South	288463.	481424.	5.0		
Res South	288523.	481477.	5.0		
Res South	288552.	481535.	5.0		
Res South	288589.	481607.	5.0		
Res South	288663.	481661.	5.0		
Res South	288698.	481767.	5.0		
Res South	288746.	481902.	5.0		
Res South	288758.	481780.	5.0		
Res South	288734.	481638.	5.0		
Res South	288617.	481567.	5.0		
Res South	288720.	481446.	5.0		
Res South	288556.	481461.	5.0		
Res South	288671.	481346.	5.0		
Res South	288606.	481234.	5.0		
Res South	288513.	481237.	5.0		
Res North	288543.	481976.	5.0		
Res North	288489.	481860.	5.0		
Res North	288460.	481783.	5.0		
Res North	288482.	481678.	5.0		
Res North	288437.	481639.	5.0		
Res North	288375.	481475.	5.0		
Res North	288343.	481414.	5.0		
Res North	288295.	481361.	5.0		
Res North	288247.	481253.	5.0		
Res North	288165.	481118.	5.0		
Res North	288120.	481014.	5.0		
Res North	288046.	480924.	5.0		
Res North	288027.	480743.	5.0		
Res North	287940.	480679.	5.0		
Res North	287898.	480646.	5.0		
Res North	287833.	480638.	5.0		
Res North	287907.	480506.	5.0		
Res North	287763.	480449.	5.0		
Res North	287900.	480435.	5.0		
Res North	287832.	480306.	5.0		
Res North	287758.	480211.	5.0		
Res North	287676.	480131.	5.0		
Res North	287583.	480053.	5.0		
Res North	287536.	480000.	5.0		
Res North	287481.	479962.	5.0		
Res North	287443.	479893.	5.0		
Res North	287372.	479853.	5.0		
Res North	287300.	479810.	5.0		
Res North	287130.	479740.	5.0		
S16 GTB Trail HB30PM			27 1 0		
1					
0	MD410 EB	AG287628.480452.288098.480634.	2375 4.0 0 44	11	
1					
0	MD410 EB	AG288098.480634.288253.480710.	2375 4.0 0 44	11	
1					
0	MD410 EB	AG288253.480710.289019.481241.	2375 4.0 0 44	11	
1					
0	MD410 WB	AG288976.481266.288250.480736.	1275 3.0 0 44	20	
1					
0	MD410 WB	AG288250.480736.288124.480669.	1275 3.0 0 44	20	
1					
0	MD410 WB	AG288124.480669.287600.480467.	1275 3.0 0 44	20	
1					
0	BUS	AG287066.479669.287268.479744.	34 0.4 0 32	25	
1					
0	BUS	AG287268.479744.287417.479822.	34 0.4 0 32	25	
1					
0	BUS	AG287417.479822.287540.479906.	34 0.4 0 32	25	
1					
0	BUS	AG287540.479906.287677.480024.	34 0.4 0 32	25	
1					
0	BUS	AG287677.480024.287803.480169.	34 0.4 0 32	25	
1					

0		BUS	AG287803.480169.287881.480287.	34	0.4	0	32	25
0	1	BUS	AG287881.480287.287961.480432.	34	0.4	0	32	25
0	1	BUS	AG287961.480432.288213.480967.	34	0.4	0	32	25
0	1	BUS	AG288213.480967.288605.481795.	34	0.4	0	32	25
0	1	BUS	AG288605.481795.288753.482088.	34	0.4	0	32	25
0	1	BUS S	AG288741.482089.288601.481812.	34	0.4	0	32	25
0	1	BUS S	AG288601.481812.288282.481147.	34	0.4	0	32	25
0	1	BUS S	AG288282.481147.288026.480596.	34	0.4	0	32	25
0	1	BUS S	AG288026.480596.287907.480356.	34	0.4	0	32	25
0	1	BUS S	AG287907.480356.287826.480222.	34	0.4	0	32	25
0	1	BUS S	AG287826.480222.287711.480077.	34	0.4	0	32	25
0	1	BUS S	AG287711.480077.287605.479977.	34	0.4	0	32	25
0	1	BUS S	AG287605.479977.287492.479886.	34	0.4	0	32	25
0	1	BUS S	AG287492.479886.287337.479792.	34	0.4	0	32	25
0	1	BUS S	AG287337.479792.287180.479724.	34	0.4	0	32	25
0	1	BUS S	AG287180.479724.287041.479674.	34	0.4	0	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S16 GTB Trail HB30PM

RUN: S16 GTB Trail HB30PM

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## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	MD410 EB	* 287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	2375.	4.0	.0	44.0	
2. 0	MD410 EB	* 288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	2375.	4.0	.0	44.0	
3. 0	MD410 EB	* 288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	2375.	4.0	.0	44.0	
4. 0	MD410 WB	* 288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1275.	3.0	.0	44.0	
5. 0	MD410 WB	* 288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1275.	3.0	.0	44.0	
6. 0	MD410 WB	* 288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1275.	3.0	.0	44.0	
7. 0	BUS	* 287066.0	479669.0	287268.0	479744.0	*	215.	70. AG	34.	.4	.0	32.0	
8. 0	BUS	* 287268.0	479744.0	287417.0	479822.0	*	168.	62. AG	34.	.4	.0	32.0	
9. 0	BUS	* 287417.0	479822.0	287540.0	479906.0	*	149.	56. AG	34.	.4	.0	32.0	
10. 0	BUS	* 287540.0	479906.0	287677.0	480024.0	*	181.	49. AG	34.	.4	.0	32.0	
11. 0	BUS	* 287677.0	480024.0	287803.0	480169.0	*	192.	41. AG	34.	.4	.0	32.0	
12. 0	BUS	* 287803.0	480169.0	287881.0	480287.0	*	141.	33. AG	34.	.4	.0	32.0	
13. 0	BUS	* 287881.0	480287.0	287961.0	480432.0	*	166.	29. AG	34.	.4	.0	32.0	
14. 0	BUS	* 287961.0	480432.0	288213.0	480967.0	*	591.	25. AG	34.	.4	.0	32.0	
15. 0	BUS	* 288213.0	480967.0	288605.0	481795.0	*	916.	25. AG	34.	.4	.0	32.0	
16. 0	BUS	* 288605.0	481795.0	288753.0	482088.0	*	328.	27. AG	34.	.4	.0	32.0	
17. 0	BUS S	* 288741.0	482089.0	288601.0	481812.0	*	310.	207. AG	34.	.4	.0	32.0	
18. 0	BUS S	* 288601.0	481812.0	288282.0	481147.0	*	738.	206. AG	34.	.4	.0	32.0	
19. 0	BUS S	* 288282.0	481147.0	288026.0	480596.0	*	608.	205. AG	34.	.4	.0	32.0	
20. 0	BUS S	* 288026.0	480596.0	287907.0	480356.0	*	268.	206. AG	34.	.4	.0	32.0	
21. 0	BUS S	* 287907.0	480356.0	287826.0	480222.0	*	157.	211. AG	34.	.4	.0	32.0	
22. 0	BUS S	* 287826.0	480222.0	287711.0	480077.0	*	185.	218. AG	34.	.4	.0	32.0	
23. 0	BUS S	* 287711.0	480077.0	287605.0	479977.0	*	146.	227. AG	34.	.4	.0	32.0	
24. 0	BUS S	* 287605.0	479977.0	287492.0	479886.0	*	145.	231. AG	34.	.4	.0	32.0	
25. 0	BUS S	* 287492.0	479886.0	287337.0	479792.0	*	181.	239. AG	34.	.4	.0	32.0	
26. 0	BUS S	* 287337.0	479792.0	287180.0	479724.0	*	171.	247. AG	34.	.4	.0	32.0	
27. 0	BUS S	* 287180.0	479724.0	287041.0	479674.0	*	148.	250. AG	34.	.4	.0	32.0	

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## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM PAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
-----*									

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288156.0	480776.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*

36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

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# RECEPTOR LOCATIONS

RECEPTOR		X	Y	Z	
46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287900.0	480435.0	5.0	*
61. Res North	*	287832.0	480306.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

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JOB: S16 GTB Trail HB30PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE *	(PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.1	.1	.3	.3	.3	.2	.4	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.1	.2	.3	.2	.4	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.1	.1	.1	.2	.3	.4	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.1	.1	.1	.2	.2	.3	.5	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.1	.1	.1	.2	.2	.3	.5	.5	.6	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.1	.1	.2	.2	.2	.3	.5	.5	.7	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.1	.2	.2	.2	.4	.5	.6	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.2	.2	.2	.3	.3	.6	.7	.7	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.1	.1	.3	.2	.3	.4	.6	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.1	.1	.2	.2	.3	.4	.7	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.1	.1	.2	.2	.4	.4	.8	.6	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.2	.2	.2	.3	.8	.6	.7	.7	.7	.1	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.2	.2	.2	.2	.6	.5	.6	.6	.6	.2	.1	.1	.1	.1	.0	.0	.2
65.	*	.0	.0	.1	.1	.2	.1	.4	.4	.5	.4	.4	.2	.1	.1	.1	.1	.1	.0	.2
70.	*	.0	.0	.0	.0	.1	.1	.3	.3	.3	.3	.3	.2	.2	.1	.1	.1	.1	.1	.3
75.	*	.0	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.3	.2	.2	.2	.2	.1	.1	.3
80.	*	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.1	.3	.2	.2	.2	.2	.1	.1	.3
85.	*	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.1	.3
90.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.2	.2	.2	.2	.2	.1	.1	.3
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.2	.1	.1	.3
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.2	.2	.2	.2	.1	.1	.2
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.2	.1	.1	.1	.2
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.1	.2
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1	.1	.1	.1	.1	.2

155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.1	.1	.1	.1	.2
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.1	.1	.2
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.1	.1	.1	.1	.1	.2
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.1	.1	.1	.0	.1	.0	.1

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JOB: S16 GTB Trail HB30PM

RUN: S16 GTB Trail HB30PM

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WIND * CONCENTRATION	
ANGLE *	(PPM)
(DEGR)*	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
210.	* .0 .0 .0 .0 .0 .0 .0 .1 .0 .1 .3 .1 .2 .1 .1 .0 .0 .0 .2
215.	* .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .1 .1 .1 .1 .0 .0 .0 .2
220.	* .0 .0 .0 .0 .0 .0 .0 .1 .1 .3 .2 .1 .1 .1 .0 .0 .0 .0 .2
225.	* .0 .0 .0 .0 .0 .0 .1 .1 .2 .3 .2 .1 .1 .1 .1 .1 .0 .0 .2
230.	* .0 .0 .0 .0 .0 .0 .1 .2 .3 .2 .3 .2 .1 .1 .1 .1 .0 .0 .2
235.	* .0 .0 .0 .0 .0 .0 .3 .2 .3 .4 .5 .2 .1 .1 .1 .1 .0 .0 .2
240.	* .0 .0 .0 .0 .1 .1 .3 .4 .4 .5 .6 .1 .1 .0 .0 .0 .0 .0 .1
245.	* .0 .0 .0 .0 .1 .1 .5 .5 .6 .7 .7 .1 .0 .0 .0 .0 .0 .0 .1
250.	* .0 .0 .1 .1 .1 .1 .5 .5 .7 .7 .7 .0 .0 .0 .0 .0 .0 .0
255.	* .0 .0 .1 .1 .2 .2 .6 .6 .7 .8 .8 .0 .0 .0 .0 .0 .0 .0
260.	* .0 .0 .1 .1 .3 .3 .6 .6 .7 .8 .7 .0 .0 .0 .0 .0 .0 .0
265.	* .0 .0 .1 .2 .3 .3 .7 .6 .7 .7 .6 .0 .0 .0 .0 .0 .0 .0
270.	* .0 .1 .2 .3 .3 .3 .6 .5 .7 .6 .7 .0 .0 .0 .0 .0 .0 .0
275.	* .0 .1 .3 .3 .3 .3 .6 .6 .5 .5 .6 .0 .0 .0 .0 .0 .0 .0
280.	* .1 .1 .3 .3 .3 .3 .5 .6 .5 .5 .5 .0 .0 .0 .0 .0 .0 .0
285.	* .1 .1 .3 .3 .3 .3 .5 .5 .5 .5 .5 .0 .0 .0 .0 .0 .0 .0
290.	* .1 .1 .3 .3 .3 .3 .5 .5 .5 .5 .4 .0 .0 .0 .0 .0 .0 .0
295.	* .1 .1 .3 .3 .3 .3 .4 .4 .5 .4 .4 .0 .0 .0 .0 .0 .0 .0
300.	* .1 .1 .3 .3 .3 .3 .5 .4 .4 .5 .4 .0 .0 .0 .0 .0 .0 .0
305.	* .1 .1 .3 .3 .3 .2 .5 .4 .4 .5 .4 .0 .0 .0 .0 .0 .0 .0
310.	* .1 .1 .3 .3 .3 .3 .5 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0
315.	* .1 .1 .3 .3 .3 .3 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0
320.	* .1 .1 .2 .3 .3 .3 .4 .4 .4 .5 .4 .0 .0 .0 .0 .0 .0 .0
325.	* .1 .1 .3 .3 .3 .3 .4 .4 .4 .5 .4 .0 .0 .0 .0 .0 .0 .0
330.	* .1 .1 .3 .3 .3 .3 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0
335.	* .1 .1 .3 .3 .3 .3 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0
340.	* .1 .1 .3 .3 .3 .2 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0
345.	* .1 .1 .3 .3 .3 .2 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0
350.	* .1 .1 .3 .3 .4 .2 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0
355.	* .1 .1 .3 .3 .3 .2 .4 .4 .4 .4 .4 .0 .0 .0 .0 .0 .0 .0
360.	* .1 .1 .3 .3 .3 .2 .4 .4 .4 .5 .5 .0 .0 .0 .0 .0 .0 .0
MAX	* .1 .2 .3 .3 .4 .4 .8 .7 .7 .8 .8 .3 .2 .2 .2 .2 .1 .1 .3
DEGR.	* 0 35 0 0 50 30 50 35 25 255 255 75 70 75 75 75 65 70 80 70

1

JOB: S16 GTB Trail HB30PM

RUN: S16 GTB Trail HB30PM

PAGE 6

## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION	
ANGLE *	(PPM)
(DEGR)*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
0.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
5.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
10.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
15.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
20.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
25.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
30.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
35.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
40.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
45.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
50.	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
55.	* .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
60.	* .1 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
65.	* .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
70.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
75.	* .2 .3 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
80.	* .2 .3 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
85.	* .2 .3 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
90.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
95.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1
100.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1
105.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1
110.	* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1

115.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
120.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
125.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
130.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
135.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
140.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
145.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
150.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
155.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
160.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
165.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
170.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
175.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
180.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
185.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
190.	*	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
195.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
200.	*	.1	.2	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1
205.	*	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1

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JOB: S16 GTB Trail HB30PM

RUN: S16 GTB Trail HB30PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40

210.	*	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
215.	*	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

MAX	*	.2	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
DEGR.	*	65	75	65	65	70	0	0	0	0	0	0	0	0	0	0	140	0	120

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JOB: S16 GTB Trail HB30PM

RUN: S16 GTB Trail HB30PM

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MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55 REC56 REC57 REC58 REC59 REC60

0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.1
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.1
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.3	.1



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65. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .2 .0
70. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .0
75. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .0 .1 .0
80. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .2 .1 .0 .0
85. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .1 .0
90. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .3 .2 .0
95. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .1 .3 .0
100. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .3 .2 .0
105. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .3 .2 .0
110. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .2 .0
115. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
120. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
125. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
130. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .2 .0
135. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .2 .0
140. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .2 .0
145. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .2 .0
150. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
155. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
160. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
165. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
170. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
175. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
180. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
185. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
190. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
195. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
200. * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .2 .3 .0

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JOB: S16 GTB Trail HB30PM

RUN: S16 GTB Trail HB30PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

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(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55 REC56 REC57 REC58 REC59 REC60
-----*-----
210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .2 .3 .2 .0 .0
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .2 .2 .3 .2 .0 .0
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .2 .3 .2 .0 .0
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .2 .2 .2 .0 .0
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .2 .2 .2 .0 .0
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .2 .2 .1 .0 .0
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .0 .0 .0
245. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0 .1 .0
250. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0
255. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0
260. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .2 .0
265. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .0
270. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .1
275. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .2
280. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .2
285. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
290. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
295. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
300. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
305. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
310. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
315. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
320. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
325. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
330. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
335. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
340. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
345. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
350. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
355. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
360. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .3 .3
-----*-----
MAX * .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .2 .3 .3 .2 .4 .4
DEGR. * 100 0 0 0 0 0 0 0 0 0 95 85 75 95 100 85 90 50 55 45

```

1

JOB: S16 GTB Trail HB30PM

RUN: S16 GTB Trail HB30PM

PAGE 10

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

```

(DEGR)* REC61 REC62 REC63 REC64 REC65 REC66 REC67 REC68 REC69 REC70
-----*-----
0. * .1 .1 .0 .0 .0 .0 .0 .0 .0
5. * .1 .1 .1 .0 .0 .0 .0 .0 .0
10. * .1 .1 .1 .0 .0 .0 .0 .0 .0

```

```

15. * .1 .1 .1 .0 .0 .0 .0 .0 .0
20. * .1 .1 .1 .0 .0 .0 .0 .0 .0
25. * .1 .1 .1 .1 .0 .0 .0 .0 .0
30. * .1 .1 .1 .1 .0 .0 .0 .0 .0
35. * .1 .0 .0 .0 .0 .0 .0 .0 .0
40. * .0 .0 .0 .0 .0 .0 .0 .0 .0
45. * .0 .0 .0 .0 .0 .0 .0 .0 .0
50. * .1 .0 .0 .0 .0 .0 .0 .0 .0
55. * .0 .0 .0 .0 .0 .0 .0 .0 .0
60. * .0 .0 .0 .0 .0 .0 .0 .0 .0
65. * .0 .0 .0 .0 .0 .0 .0 .0 .0
70. * .0 .0 .0 .0 .0 .0 .0 .0 .0
75. * .0 .0 .0 .0 .0 .0 .0 .0 .0
80. * .0 .0 .0 .0 .0 .0 .0 .0 .0
85. * .0 .0 .0 .0 .0 .0 .0 .0 .0
90. * .0 .0 .0 .0 .0 .0 .0 .0 .0
95. * .0 .0 .0 .0 .0 .0 .0 .0 .0
100. * .0 .0 .0 .0 .0 .0 .0 .0 .0
105. * .0 .0 .0 .0 .0 .0 .0 .0 .0
110. * .0 .0 .0 .0 .0 .0 .0 .0 .0
115. * .0 .0 .0 .0 .0 .0 .0 .0 .0
120. * .0 .0 .0 .0 .0 .0 .0 .0 .0
125. * .0 .0 .0 .0 .0 .0 .0 .0 .0
130. * .0 .0 .0 .0 .0 .0 .0 .0 .0
135. * .0 .0 .0 .0 .0 .0 .0 .0 .0
140. * .0 .0 .0 .0 .0 .0 .0 .0 .0
145. * .0 .0 .0 .0 .0 .0 .0 .0 .0
150. * .0 .0 .0 .0 .0 .0 .0 .0 .0
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0
160. * .0 .0 .0 .0 .0 .0 .0 .0 .0
165. * .0 .0 .0 .0 .0 .0 .0 .0 .0
170. * .0 .0 .0 .0 .0 .0 .0 .0 .0
175. * .0 .0 .0 .0 .0 .0 .0 .0 .0
180. * .0 .0 .0 .0 .0 .0 .0 .0 .0
185. * .0 .0 .0 .0 .0 .0 .0 .0 .0
190. * .0 .0 .0 .0 .0 .0 .0 .0 .0
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0
1

```

PAGE 11

JOB: S16 GTB Trail HB30PM

RUN: S16 GTB Trail HB30PM

WIND ANGLE RANGE: 0.-360.

```

WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC61 REC62 REC63 REC64 REC65 REC66 REC67 REC68 REC69 REC70
-----*-----
210. * .0 .0 .0 .0 .0 .0 .0 .0 .0
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0
245. * .0 .0 .0 .0 .0 .0 .0 .0 .0
250. * .0 .0 .0 .0 .0 .0 .0 .0 .0
255. * .0 .0 .0 .0 .0 .0 .0 .0 .0
260. * .0 .0 .0 .0 .0 .0 .0 .0 .0
265. * .0 .0 .0 .0 .0 .0 .0 .0 .0
270. * .0 .0 .0 .0 .0 .0 .0 .0 .0
275. * .0 .0 .0 .0 .0 .0 .0 .0 .0
280. * .0 .0 .0 .0 .0 .0 .0 .0 .0
285. * .0 .0 .0 .0 .0 .0 .0 .0 .0
290. * .0 .0 .0 .0 .0 .0 .0 .0 .0
295. * .0 .0 .0 .0 .0 .0 .0 .0 .0
300. * .0 .0 .0 .0 .0 .0 .0 .0 .0
305. * .0 .0 .0 .0 .0 .0 .0 .0 .0
310. * .1 .0 .0 .0 .0 .0 .0 .0 .0
315. * .1 .0 .0 .0 .0 .0 .0 .0 .0
320. * .1 .0 .0 .0 .0 .0 .0 .0 .0
325. * .1 .0 .0 .0 .0 .0 .0 .0 .0
330. * .1 .0 .0 .0 .0 .0 .0 .0 .0
335. * .1 .0 .0 .0 .0 .0 .0 .0 .0
340. * .1 .0 .0 .0 .0 .0 .0 .0 .0
345. * .1 .1 .0 .0 .0 .0 .0 .0 .0
350. * .1 .1 .0 .0 .0 .0 .0 .0 .0
355. * .1 .1 .0 .0 .0 .0 .0 .0 .0
360. * .1 .1 .0 .0 .0 .0 .0 .0 .0
-----*-----
MAX * .1 .1 .1 .1 .0 .0 .0 .0 .0
DEGR. * 0 0 5 25 0 0 0 0 0

```

THE HIGHEST CONCENTRATION IS .80 PPM AT 50 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC11.

S16 George Town Branch Trail LL30AM	60.0321.0.0000.000700.30480000	1	1
Res South	287988. 480401.	5.0	
Res South	288038. 480433.	5.0	
Res South	288031. 480520.	5.0	
Res South	288063. 480542.	5.0	
Res South	288094. 480574.	5.0	
Res South	288137. 480591.	5.0	
Res South	288130. 480624.	5.0	
Res South	288182. 480648.	5.0	
Res South	288228. 480675.	5.0	
Res South	288270. 480699.	5.0	
Res South	288319. 480733.	5.0	
Res South	288152. 480785.	5.0	
Res South	288183. 480833.	5.0	
Res South	288222. 480867.	5.0	
Res South	288263. 480898.	5.0	
Res South	288324. 480934.	5.0	
Res South	288346. 480979.	5.0	
Res South	288411. 481018.	5.0	
Res South	288450. 481114.	5.0	
Res South	288194. 480791.	5.0	
Res South	288248. 480843.	5.0	
Res South	288290. 480863.	5.0	
Res South	288339. 480906.	5.0	
Res South	288381. 480938.	5.0	
Res South	288447. 481003.	5.0	
Res South	288435. 481339.	5.0	
Res South	288463. 481424.	5.0	
Res South	288523. 481477.	5.0	
Res South	288552. 481535.	5.0	
Res South	288589. 481607.	5.0	
Res South	288663. 481661.	5.0	
Res South	288698. 481767.	5.0	
Res South	288746. 481902.	5.0	
Res South	288758. 481780.	5.0	
Res South	288734. 481638.	5.0	
Res South	288617. 481567.	5.0	
Res South	288720. 481446.	5.0	
Res South	288556. 481461.	5.0	
Res South	288671. 481346.	5.0	
Res South	288606. 481234.	5.0	
Res South	288513. 481237.	5.0	
Res North	288543. 481976.	5.0	
Res North	288489. 481860.	5.0	
Res North	288460. 481783.	5.0	
Res North	288482. 481678.	5.0	
Res North	288437. 481639.	5.0	
Res North	288375. 481475.	5.0	
Res North	288343. 481414.	5.0	
Res North	288295. 481361.	5.0	
Res North	288247. 481253.	5.0	
Res North	288165. 481118.	5.0	
Res North	288120. 481014.	5.0	
Res North	288046. 480924.	5.0	
Res North	288027. 480743.	5.0	
Res North	287940. 480679.	5.0	
Res North	287898. 480646.	5.0	
Res North	287833. 480638.	5.0	
Res North	287907. 480506.	5.0	
Res North	287763. 480449.	5.0	
Res North	287894. 480437.	5.0	
Res North	287829. 480304.	5.0	
Res North	287758. 480211.	5.0	
Res North	287676. 480131.	5.0	
Res North	287583. 480053.	5.0	
Res North	287536. 480000.	5.0	
Res North	287481. 479962.	5.0	
Res North	287443. 479893.	5.0	
Res North	287372. 479853.	5.0	
Res North	287300. 479810.	5.0	
Res North	287130. 479740.	5.0	
S16 George Town Branch Trail LL30AM	6	1	0
1			
0	MD410 EB AG287628.480452.288098.480634.	1000 2.9	0 44 21
1			
0	MD410 EB AG288098.480634.288253.480710.	1000 2.9	0 44 21
1			
0	MD410 EB AG288253.480710.289019.481241.	1000 2.9	0 44 21
1			
0	MD410 WB AG288976.481266.288250.480736.	2050 3.1	0 44 19
1			
0	MD410 WB AG288250.480736.288124.480669.	2050 3.1	0 44 19
1			
0	MD410 WB AG288124.480669.287600.480467.	2050 3.1	0 44 19
1.0 04 1000 0Y 5 0 72			

JOB: S16 George Town Branch Trail LL30AM  
DATE: 11/02/2007 TIME: 13:23:57.38

RUN: S16 George Town Branch Trail LL30AM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	1000.	2.9	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	1000.	2.9	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	1000.	2.9	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	2050.	3.1	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	2050.	3.1	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	2050.	3.1	.0	44.0	

JOB: S16 George Town Branch Trail LL30AM  
DATE: 11/02/2007 TIME: 13:23:57.38

RUN: S16 George Town Branch Trail LL30AM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288152.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 George Town Branch Trail LL30AM  
DATE: 11/02/2007 TIME: 13:23:57.38

RUN: S16 George Town Branch Trail LL30AM

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*

46. Res North	*	288437.0	481639.0	5.0	*
47. Res North	*	288375.0	481475.0	5.0	*
48. Res North	*	288343.0	481414.0	5.0	*
49. Res North	*	288295.0	481361.0	5.0	*
50. Res North	*	288247.0	481253.0	5.0	*
51. Res North	*	288165.0	481118.0	5.0	*
52. Res North	*	288120.0	481014.0	5.0	*
53. Res North	*	288046.0	480924.0	5.0	*
54. Res North	*	288027.0	480743.0	5.0	*
55. Res North	*	287940.0	480679.0	5.0	*
56. Res North	*	287898.0	480646.0	5.0	*
57. Res North	*	287833.0	480638.0	5.0	*
58. Res North	*	287907.0	480506.0	5.0	*
59. Res North	*	287763.0	480449.0	5.0	*
60. Res North	*	287894.0	480437.0	5.0	*
61. Res North	*	287829.0	480304.0	5.0	*
62. Res North	*	287758.0	480211.0	5.0	*
63. Res North	*	287676.0	480131.0	5.0	*
64. Res North	*	287583.0	480053.0	5.0	*
65. Res North	*	287536.0	480000.0	5.0	*
66. Res North	*	287481.0	479962.0	5.0	*
67. Res North	*	287443.0	479893.0	5.0	*
68. Res North	*	287372.0	479853.0	5.0	*
69. Res North	*	287300.0	479810.0	5.0	*
70. Res North	*	287130.0	479740.0	5.0	*

1

JOB: S16 George Town Branch Trail LL30AM

RUN: S16 George Town Branch Trail LL30AM

PAGE 4

MODEL RESULTS  
-----

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.1	.1	.1	.1	.1	.2	.3	.3	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.1	.1	.1	.2	.2	.3	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.1	.0	.1	.1	.1	.2	.2	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.1	.1	.2	.2	.2	.3	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.1	.1	.3	.2	.2	.2	.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.1	.1	.2	.2	.3	.3	.3	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.1	.1	.2	.3	.3	.3	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.1	.3	.3	.4	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.1	.1	.2	.3	.2	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.1	.1	.2	.3	.1	.3	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.1	.1	.2	.1	.4	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.1
55.	*	.0	.0	.1	.1	.1	.1	.4	.3	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	.1
60.	*	.0	.0	.0	.0	.1	.1	.4	.3	.3	.2	.2	.1	.1	.1	.1	.1	.0	.0	.1
65.	*	.0	.0	.0	.0	.0	.0	.2	.3	.3	.2	.2	.1	.1	.1	.1	.1	.1	.0	.1
70.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
75.	*	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.1
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1	.1
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.0	.1	.1	.1	.1
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0

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JOB: S16 George Town Branch Trail LL30AM

RUN: S16 George Town Branch Trail LL30AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.2



JOB: S16 George Town Branch Trail LL30AM

RUN: S16 George Town Branch Trail LL30AM

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40

210.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.1	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
DEGR.	*	55	55	55	55	60	0	0	0	0	0	0	0	0	0	0	0	185	100

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JOB: S16 George Town Branch Trail LL30AM

RUN: S16 George Town Branch Trail LL30AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55 REC56 REC57 REC58 REC59 REC60

0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.2	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0





120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

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JOB: S16 George Town Branch Trail LL30AM

RUN: S16 George Town Branch Trail LL30AM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----											
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .50 PPM AT 35 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS .40 PPM AT 35 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .40 PPM AT 40 DEGREES FROM REC8 .

S16 George Town Branch Trail LL30PM	60.0321.0.0000.000700.30480000	1	1
Res South	287988. 480401.	5.0	
Res South	288038. 480433.	5.0	
Res South	288031. 480520.	5.0	
Res South	288063. 480542.	5.0	
Res South	288094. 480574.	5.0	
Res South	288137. 480591.	5.0	
Res South	288130. 480624.	5.0	
Res South	288182. 480648.	5.0	
Res South	288228. 480675.	5.0	
Res South	288270. 480699.	5.0	
Res South	288319. 480733.	5.0	
Res South	288152. 480785.	5.0	
Res South	288183. 480833.	5.0	
Res South	288222. 480867.	5.0	
Res South	288263. 480898.	5.0	
Res South	288324. 480934.	5.0	
Res South	288346. 480979.	5.0	
Res South	288411. 481018.	5.0	
Res South	288450. 481114.	5.0	
Res South	288194. 480791.	5.0	
Res South	288248. 480843.	5.0	
Res South	288290. 480863.	5.0	
Res South	288339. 480906.	5.0	
Res South	288381. 480938.	5.0	
Res South	288447. 481003.	5.0	
Res South	288435. 481339.	5.0	
Res South	288463. 481424.	5.0	
Res South	288523. 481477.	5.0	
Res South	288552. 481535.	5.0	
Res South	288589. 481607.	5.0	
Res South	288663. 481661.	5.0	
Res South	288698. 481767.	5.0	
Res South	288746. 481902.	5.0	
Res South	288758. 481780.	5.0	
Res South	288734. 481638.	5.0	
Res South	288617. 481567.	5.0	
Res South	288720. 481446.	5.0	
Res South	288556. 481461.	5.0	
Res South	288671. 481346.	5.0	
Res South	288606. 481234.	5.0	
Res South	288513. 481237.	5.0	
Res North	288543. 481976.	5.0	
Res North	288489. 481860.	5.0	
Res North	288460. 481783.	5.0	
Res North	288482. 481678.	5.0	
Res North	288437. 481639.	5.0	
Res North	288375. 481475.	5.0	
Res North	288343. 481414.	5.0	
Res North	288295. 481361.	5.0	
Res North	288247. 481253.	5.0	
Res North	288165. 481118.	5.0	
Res North	288120. 481014.	5.0	
Res North	288046. 480924.	5.0	
Res North	288027. 480743.	5.0	
Res North	287940. 480679.	5.0	
Res North	287898. 480646.	5.0	
Res North	287833. 480638.	5.0	
Res North	287907. 480506.	5.0	
Res North	287763. 480449.	5.0	
Res North	287894. 480437.	5.0	
Res North	287829. 480304.	5.0	
Res North	287758. 480211.	5.0	
Res North	287676. 480131.	5.0	
Res North	287583. 480053.	5.0	
Res North	287536. 480000.	5.0	
Res North	287481. 479962.	5.0	
Res North	287443. 479893.	5.0	
Res North	287372. 479853.	5.0	
Res North	287300. 479810.	5.0	
Res North	287130. 479740.	5.0	
S16 George Town Branch Trail LL30PM	6	1	0
1			
0	MD410 EB AG287628.480452.288098.480634.	2375 4.0	0 44 11
1			
0	MD410 EB AG288098.480634.288253.480710.	2375 4.0	0 44 11
1			
0	MD410 EB AG288253.480710.289019.481241.	2375 4.0	0 44 11
1			
0	MD410 WB AG288976.481266.288250.480736.	1275 3.0	0 44 20
1			
0	MD410 WB AG288250.480736.288124.480669.	1275 3.0	0 44 20
1			
0	MD410 WB AG288124.480669.287600.480467.	1275 3.0	0 44 20
1.0	04 1000 0Y 5 0 72		

JOB: S16 George Town Branch Trail LL30PM  
DATE: 11/02/2007 TIME: 13:30:00.32

RUN: S16 George Town Branch Trail LL30PM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0 MD410 EB	*	287628.0	480452.0	288098.0	480634.0	*	504.	69. AG	2375.	4.0	.0	44.0	
2. 0 MD410 EB	*	288098.0	480634.0	288253.0	480710.0	*	173.	64. AG	2375.	4.0	.0	44.0	
3. 0 MD410 EB	*	288253.0	480710.0	289019.0	481241.0	*	932.	55. AG	2375.	4.0	.0	44.0	
4. 0 MD410 WB	*	288976.0	481266.0	288250.0	480736.0	*	899.	234. AG	1275.	3.0	.0	44.0	
5. 0 MD410 WB	*	288250.0	480736.0	288124.0	480669.0	*	143.	242. AG	1275.	3.0	.0	44.0	
6. 0 MD410 WB	*	288124.0	480669.0	287600.0	480467.0	*	562.	249. AG	1275.	3.0	.0	44.0	

JOB: S16 George Town Branch Trail LL30PM  
DATE: 11/02/2007 TIME: 13:30:00.32

RUN: S16 George Town Branch Trail LL30PM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. Res South	*	287988.0	480401.0	5.0	*
2. Res South	*	288038.0	480433.0	5.0	*
3. Res South	*	288031.0	480520.0	5.0	*
4. Res South	*	288063.0	480542.0	5.0	*
5. Res South	*	288094.0	480574.0	5.0	*
6. Res South	*	288137.0	480591.0	5.0	*
7. Res South	*	288130.0	480624.0	5.0	*
8. Res South	*	288182.0	480648.0	5.0	*
9. Res South	*	288228.0	480675.0	5.0	*
10. Res South	*	288270.0	480699.0	5.0	*
11. Res South	*	288319.0	480733.0	5.0	*
12. Res South	*	288152.0	480785.0	5.0	*
13. Res South	*	288183.0	480833.0	5.0	*
14. Res South	*	288222.0	480867.0	5.0	*
15. Res South	*	288263.0	480898.0	5.0	*
16. Res South	*	288324.0	480934.0	5.0	*
17. Res South	*	288346.0	480979.0	5.0	*
18. Res South	*	288411.0	481018.0	5.0	*
19. Res South	*	288450.0	481114.0	5.0	*
20. Res South	*	288194.0	480791.0	5.0	*
21. Res South	*	288248.0	480843.0	5.0	*
22. Res South	*	288290.0	480863.0	5.0	*
23. Res South	*	288339.0	480906.0	5.0	*
24. Res South	*	288381.0	480938.0	5.0	*
25. Res South	*	288447.0	481003.0	5.0	*
26. Res South	*	288435.0	481339.0	5.0	*
27. Res South	*	288463.0	481424.0	5.0	*
28. Res South	*	288523.0	481477.0	5.0	*
29. Res South	*	288552.0	481535.0	5.0	*
30. Res South	*	288589.0	481607.0	5.0	*
31. Res South	*	288663.0	481661.0	5.0	*
32. Res South	*	288698.0	481767.0	5.0	*
33. Res South	*	288746.0	481902.0	5.0	*
34. Res South	*	288758.0	481780.0	5.0	*
35. Res South	*	288734.0	481638.0	5.0	*
36. Res South	*	288617.0	481567.0	5.0	*
37. Res South	*	288720.0	481446.0	5.0	*
38. Res South	*	288556.0	481461.0	5.0	*
39. Res South	*	288671.0	481346.0	5.0	*
40. Res South	*	288606.0	481234.0	5.0	*
41. Res South	*	288513.0	481237.0	5.0	*
42. Res North	*	288543.0	481976.0	5.0	*
43. Res North	*	288489.0	481860.0	5.0	*
44. Res North	*	288460.0	481783.0	5.0	*
45. Res North	*	288482.0	481678.0	5.0	*

JOB: S16 George Town Branch Trail LL30PM  
DATE: 11/02/2007 TIME: 13:30:00.32

RUN: S16 George Town Branch Trail LL30PM

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*









120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0

1

JOB: S16 George Town Branch Trail LL30PM

RUN: S16 George Town Branch Trail LL30PM

PAGE 11

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION									
ANGLE	*	(PPM)									
(DEGR)	*	REC61	REC62	REC63	REC64	REC65	REC66	REC67	REC68	REC69	REC70
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	5	25	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .80 PPM AT 50 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS .80 PPM AT 255 DEGREES FROM REC11.



Site 17

North Chevy Chase  
Elementary School

2015

S17 N Chevy Chase School EX	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291244. 485380. 5.0		
S Sch	291367. 485358. 5.0		
S Sch	291461. 485341. 5.0		
S Sch	291524. 485332. 5.0		
S Sch	291634. 485314. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School EX	19 1 0		
1			
0	JB EB	AG290539.485502.290975.485434.	249 6.8 0 44 14.
1			
0	JB EB	AG290975.485434.291184.485414.	249 6.8 0 44 14.
1			
0	JB EB	AG291184.485414.291737.485318.	249 6.8 0 44 14.
1			
0	JB EB	AG291737.485318.291861.485294.	249 6.8 0 44 14.
1			
0	JB EB	AG291861.485294.292022.485233.	249 6.8 0 44 14.
2			
0	JB EB	AG291989.485246.291871.485290.	0. 24 2
39	18	2.0 249 57.0 1723 1 3	
1			
0	JB EBDP	AG292021.485233.292252.485182.	426 6.8 0 44 14.
1			
0	JB EBDP	AG292252.485182.292509.485143.	426 6.8 0 44 14.
1			
0	JB WB	AG292511.485156.292186.485210.	882 7.7 0 44 11.
1			
0	JB WB	AG292186.485210.292007.485262.	882 7.7 0 44 11.
2			
0	JB WB	AG292074.485242.292182.485210.	0. 24 2
39	7	2.0 882 57.0 1493 1 3	
1			
0	JB WBDP	AG292007.485264.291910.485302.	689 7.7 0 44 11.
1			
0	JB WBDP	AG291910.485302.291739.485334.	689 7.7 0 44 11.
1			
0	JB WBDP	AG291737.485335.291059.485446.	689 7.7 0 44 11.
1			
0	JB WBDP	AG291059.485446.290547.485535.	689 7.7 0 44 11.
1			
0	Man NBR	AG291860.484962.292045.485230.	193 5.3 0 44 25.
2			
0	Man NBR	AG292025.485201.291988.485145.	0. 12 1
39	24	2.0 193 57.0 1583 1 3	
1			
0	Man NBL	AG291852.484968.292035.485234.	61 5.3 0 44 25.
2			
0	Man NBL	AG292015.485204.291961.485126.	0. 12 1
39	30	2.0 61 57.0 1770 1 3	
1.0	04 1000 0Y 5 0 72		

JOB: S17 N Chevy Chase School EX  
 DATE: 11/02/2007 TIME: 22:39:35.89

RUN: S17 N Chevy Chase School EX

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	JB EB	* 290539.0	485502.0	290975.0	485434.0	*	441.	99. AG	249.	6.8	.0	44.0	
2. 0	JB EB	* 290975.0	485434.0	291184.0	485414.0	*	210.	95. AG	249.	6.8	.0	44.0	
3. 0	JB EB	* 291184.0	485414.0	291737.0	485318.0	*	561.	100. AG	249.	6.8	.0	44.0	
4. 0	JB EB	* 291737.0	485318.0	291861.0	485294.0	*	126.	101. AG	249.	6.8	.0	44.0	
5. 0	JB EB	* 291861.0	485294.0	292022.0	485233.0	*	172.	111. AG	249.	6.8	.0	44.0	
6. 0	JB EB	* 291989.0	485246.0	291977.6	485250.3	*	12.	291. AG	141.	100.0	.0	24.0	.17
7. 0	JB EBDP	* 292021.0	485233.0	292252.0	485182.0	*	237.	102. AG	426.	6.8	.0	44.0	
8. 0	JB EBDP	* 292252.0	485182.0	292509.0	485143.0	*	260.	99. AG	426.	6.8	.0	44.0	
9. 0	JB WB	* 292511.0	485156.0	292186.0	485210.0	*	329.	279. AG	882.	7.7	.0	44.0	
10. 0	JB WB	* 292186.0	485210.0	292007.0	485262.0	*	186.	286. AG	882.	7.7	.0	44.0	
11. 0	JB WB	* 292074.0	485242.0	292090.2	485237.2	*	17.	107. AG	55.	100.0	.0	24.0	.41
12. 0	JB WBDP	* 292007.0	485264.0	291910.0	485302.0	*	104.	291. AG	689.	7.7	.0	44.0	
13. 0	JB WBDP	* 291910.0	485302.0	291739.0	485334.0	*	174.	281. AG	689.	7.7	.0	44.0	
14. 0	JB WBDP	* 291737.0	485335.0	291059.0	485446.0	*	687.	279. AG	689.	7.7	.0	44.0	
15. 0	JB WBDP	* 291059.0	485446.0	290547.0	485535.0	*	520.	280. AG	689.	7.7	.0	44.0	
16. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	193.	5.3	.0	44.0	
17. 0	Man NBR	* 292025.0	485201.0	292011.0	485179.9	*	25.	213. AG	94.	100.0	.0	12.0	.43
18. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	61.	5.3	.0	44.0	
19. 0	Man NBL	* 292015.0	485204.0	292009.3	485195.8	*	10.	215. AG	118.	100.0	.0	12.0	.27

JOB: S17 N Chevy Chase School EX  
 DATE: 11/02/2007 TIME: 22:39:35.89

RUN: S17 N Chevy Chase School EX

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	JB EB	* 39	18	2.0	249	1723	57.00	1	3
11. 0	JB WB	* 39	7	2.0	882	1493	57.00	1	3
17. 0	Man NBR	* 39	24	2.0	193	1583	57.00	1	3
19. 0	Man NBL	* 39	30	2.0	61	1770	57.00	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291244.0	485380.0	5.0	*
7. S Sch	*	291367.0	485358.0	5.0	*
8. S Sch	*	291461.0	485341.0	5.0	*
9. S Sch	*	291524.0	485332.0	5.0	*
10. S Sch	*	291634.0	485314.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*
22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

JOB: S17 N Chevy Chase School EX

RUN: S17 N Chevy Chase School EX

#### MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION																			
ANGLE	* (PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
5.	*	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
10.	*	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
15.	*	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
20.	*	.1	.1	.1	.1	.0	.2	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0
25.	*	.1	.1	.1	.1	.0	.2	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0
30.	*	.1	.1	.1	.1	.0	.2	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0
35.	*	.1	.1	.1	.1	.0	.2	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0
40.	*	.1	.1	.1	.1	.0	.3	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0
45.	*	.1	.1	.1	.1	.0	.3	.3	.2	.2	.2	.3	.1	.2	.0	.0	.0	.0	.0	.0
50.	*	.1	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
55.	*	.1	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
60.	*	.1	.1	.1	.0	.1	.3	.3	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0
65.	*	.1	.1	.1	.0	.1	.3	.3	.3	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
70.	*	.1	.1	.0	.0	.1	.3	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.1	.0	.1	.1	.3	.3	.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.1	.1	.3	.3	.3	.3	.3	.1	.1	.0	.0	.1	.0	.1	.0	.0
85.	*	.0	.0	.0	.1	.1	.3	.3	.3	.2	.3	.1	.0	.0	.0	.1	.0	.1	.1	.0
90.	*	.0	.0	.0	.0	.0	.3	.3	.2	.2	.3	.1	.0	.0	.0	.1	.0	.1	.2	.1
95.	*	.0	.0	.0	.0	.0	.3	.2	.2	.2	.2	.1	.0	.0	.0	.2	.0	.3	.2	.1
100.	*	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.0	.0	.2	.1	.3	.3	.1
105.	*	.0	.0	.0	.0	.0	.2	.2	.1	.0	.0	.1	.0	.0	.0	.3	.1	.3	.3	.1
110.	*	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.3	.3	.2
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.2	.3	.2
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.2	.3	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.2	.2	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1	.2

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JOB: S17 N Chevy Chase School EX

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WIND	* CONCENTRATION																			
ANGLE	* (PPM)																			
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1	.2
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1	.2
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1	.2
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.1	.2
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2	.2
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2	.2
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2	.2
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2	.2
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2	.2
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.3	.3	.2	.3
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.3	.3	.2	.3
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.3	.3	.2	.3
270.	*	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.0	.0	.0	.2	.1	.3	.3	.2	.2
275.	*	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	.0	.0	.0	.2	.0	.2	.2	.1	.2
280.	*	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.0	.0	.1	.0	.2	.2	.1	.2
285.	*	.0	.0	.0	.0	.0	.2	.2	.2	.2	.3	.3	.1	.0	.0	.1	.0	.2	.1	.2
290.	*	.0	.0	.0	.0	.0	.2	.3	.3	.3	.3	.3	.1	.1	.0	.1	.0	.1	.1	.0
295.	*	.0	.0	.0	.0	.0	.3	.3	.3	.3	.3	.3	.1	.1	.0	.1	.0	.1	.1	.0
300.	*	.0	.0	.0	.0	.0	.3	.3	.3	.3	.3	.3	.1	.1	.0	.0	.1	.1	.0	.0
305.	*	.0	.0	.0	.0	.1	.3	.3	.3	.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.1	.1	.3	.3	.3	.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.1	.1	.1	.3	.3	.3	.3	.3	.3	.1	.2	.1	.0	.0	.0	.0	.0
320.	*	.0	.0	.1	.1	.1	.3	.3	.3	.3	.3	.3	.1	.2	.1	.0	.0	.0	.0	.0
325.	*	.0	.0	.1	.1	.1	.3	.3	.3	.3	.3	.3	.1	.2	.1	.0	.0	.0	.0	.0
330.	*	.0	.1	.1	.1	.1	.3	.3	.2	.3	.3	.3	.1	.2	.1	.0	.0	.0	.0	.0
335.	*	.0	.1	.1	.1	.1	.3	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0
340.	*	.0	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0
345.	*	.0	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0
350.	*	.0	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0
355.	*	.0	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0
360.	*	.0	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0	.0	.0	.0
MAX	*	.1	.1	.1	.1	.1	.3	.3	.3	.3	.3	.3	.1	.2	.1	.3	.1	.3	.3	.2

.4

DEGR. \* 5 0 0 0 0 40 45 50 50 50 45 0 0 0 105 100 95 100 110 110

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JOB: S17 N Chevy Chase School EX

RUN: S17 N Chevy Chase School EX

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION
ANGLE *	(PPM)
(DEGR)*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33
0.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
5.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
10.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
15.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
20.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
25.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
30.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
35.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
40.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
45.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
50.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
55.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
60.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
65.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
70.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
75.	.0 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
80.	.0 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0
85.	.1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0
90.	.1 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0
95.	.1 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0
100.	.2 .3 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0
105.	.2 .4 .3 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0
110.	.2 .4 .4 .3 .2 .1 .0 .0 .0 .0 .0 .0 .0
115.	.3 .4 .4 .4 .2 .1 .1 .0 .0 .1 .1 .1 .1
120.	.3 .4 .4 .4 .2 .1 .1 .0 .0 .1 .1 .1 .1
125.	.3 .4 .4 .4 .3 .1 .1 .1 .0 .1 .1 .1 .1
130.	.3 .4 .3 .3 .3 .1 .1 .1 .1 .1 .1 .1 .1
135.	.3 .3 .3 .3 .3 .1 .1 .1 .1 .1 .1 .1 .1
140.	.2 .3 .3 .3 .3 .1 .1 .1 .1 .0 .1 .1 .1
145.	.2 .3 .3 .3 .3 .1 .1 .1 .1 .0 .1 .1 .2
150.	.2 .3 .3 .2 .2 .1 .1 .1 .1 .0 .1 .1 .2
155.	.2 .3 .2 .2 .2 .1 .1 .1 .1 .1 .1 .1 .3
160.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .1 .1 .1 .3
165.	.2 .2 .2 .2 .2 .1 .1 .0 .1 .1 .1 .1 .3
170.	.2 .2 .2 .2 .2 .1 .1 .0 .1 .1 .1 .1 .3
175.	.2 .2 .2 .2 .2 .1 .1 .1 .0 .1 .0 .1 .3
180.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .1 .1 .1 .3
185.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .1 .1 .1 .3
190.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .1 .1 .1 .3
195.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .1 .1 .1 .3
200.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .0 .1 .1 .3
205.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .0 .1 .1 .3

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JOB: S17 N Chevy Chase School EX

RUN: S17 N Chevy Chase School EX

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION
ANGLE *	(PPM)
(DEGR)*	REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33
210.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .0 .1 .1 .3
215.	.2 .2 .2 .2 .2 .1 .1 .1 .1 .0 .1 .1 .3
220.	.2 .2 .2 .2 .2 .1 .1 .1 .0 .0 .1 .1 .3
225.	.2 .3 .2 .2 .2 .1 .1 .1 .0 .0 .1 .1 .3
230.	.2 .3 .3 .3 .3 .1 .1 .1 .0 .0 .1 .1 .3
235.	.2 .3 .3 .3 .3 .1 .2 .1 .1 .0 .1 .1 .3
240.	.2 .3 .3 .3 .3 .1 .2 .1 .1 .0 .1 .1 .3
245.	.2 .3 .3 .3 .3 .2 .2 .1 .1 .0 .1 .2 .3
250.	.2 .4 .4 .4 .4 .2 .1 .1 .1 .0 .1 .1 .3
255.	.2 .4 .4 .4 .4 .2 .1 .1 .1 .0 .0 .1 .3
260.	.2 .4 .4 .4 .4 .2 .1 .1 .0 .0 .0 .1 .2
265.	.2 .3 .4 .4 .4 .2 .1 .1 .1 .0 .0 .1 .2
270.	.3 .3 .3 .3 .4 .1 .1 .1 .1 .0 .0 .1 .1
275.	.3 .3 .3 .3 .3 .1 .1 .1 .0 .0 .0 .0 .1
280.	.2 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .1
285.	.1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .1
290.	.1 .1 .1 .1 .2 .0 .0 .0 .0 .0 .0 .0 .0
295.	.0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0
300.	.0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0
305.	.0 .1 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0
310.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
315.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
320.	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

-----*														
MAX	*	.3	.4	.4	.4	.4	.2	.2	.1	.1	.1	.1	.2	.3
DEGR.	*	115	105	110	115	250	185	235	125	130	125	115	245	155

THE HIGHEST CONCENTRATION IS .40 PPM AT 110 DEGREES FROM REC20.  
 THE 2ND HIGHEST CONCENTRATION IS .40 PPM AT 105 DEGREES FROM REC22.  
 THE 3RD HIGHEST CONCENTRATION IS .40 PPM AT 110 DEGREES FROM REC23.

S17 N Chevy Chase School EXPM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291244. 485380. 5.0		
S Sch	291367. 485358. 5.0		
S Sch	291461. 485341. 5.0		
S Sch	291524. 485332. 5.0		
S Sch	291634. 485314. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School EXPM	19 1 0		
1			
0	JB EB	AG290539.485502.290975.485434.	730 6.2 0 44 17.
1			
0	JB EB	AG290975.485434.291184.485414.	730 6.2 0 44 17.
1			
0	JB EB	AG291184.485414.291737.485318.	730 6.2 0 44 17.
1			
0	JB EB	AG291737.485318.291861.485294.	730 6.2 0 44 17.
1			
0	JB EB	AG291861.485294.292022.485233.	730 6.2 0 44 17.
2			
0	JB EB	AG291989.485246.291871.485290.	0. 24 2
68	26	2.0 730 57.0 1723 1 3	
1			
0	JB EBDP	AG292021.485233.292252.485182.	945 6.2 0 44 17.
1			
0	JB EBDP	AG292252.485182.292509.485143.	945 6.2 0 44 17.
1			
0	JB WB	AG292511.485156.292186.485210.	530 7.0 0 44 13.
1			
0	JB WB	AG292186.485210.292007.485262.	530 7.0 0 44 13.
2			
0	JB WB	AG292074.485242.292182.485210.	0. 24 2
68	9	2.0 530 57.0 1113 1 3	
1			
0	JB WBDP	AG292007.485264.291910.485302.	490 7.0 0 44 13.
1			
0	JB WBDP	AG291910.485302.291739.485334.	490 7.0 0 44 13.
1			
0	JB WBDP	AG291737.485335.291059.485446.	490 7.0 0 44 13.
1			
0	JB WBDP	AG291059.485446.290547.485535.	490 7.0 0 44 13.
1			
0	Man NBR	AG291860.484962.292045.485230.	232 5.3 0 44 25.
2			
0	Man NBR	AG292025.485201.291988.485145.	0. 12 1
68	45	2.0 232 57.0 1583 1 3	
1			
0	Man NBL	AG291852.484968.292035.485234.	40 5.3 0 44 25.
2			
0	Man NBL	AG292015.485204.291961.485126.	0. 12 1
68	57	2.0 40 57.0 1770 1 3	
1.0	04 1000 0Y 5 0 72		

JOB: S17 N Chevy Chase School EXPM  
DATE: 11/02/2007 TIME: 22:40:53.99

RUN: S17 N Chevy Chase School EXPM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	JB EB	* 290539.0	485502.0	290975.0	485434.0	*	441.	99. AG	730.	6.2	.0	44.0	
2. 0	JB EB	* 290975.0	485434.0	291184.0	485414.0	*	210.	95. AG	730.	6.2	.0	44.0	
3. 0	JB EB	* 291184.0	485414.0	291737.0	485318.0	*	561.	100. AG	730.	6.2	.0	44.0	
4. 0	JB EB	* 291737.0	485318.0	291861.0	485294.0	*	126.	101. AG	730.	6.2	.0	44.0	
5. 0	JB EB	* 291861.0	485294.0	292022.0	485233.0	*	172.	111. AG	730.	6.2	.0	44.0	
6. 0	JB EB	* 291989.0	485246.0	291940.4	485264.2	*	52.	290. AG	117.	100.0	.0	24.0	.38 2.6
7. 0	JB EBDP	* 292021.0	485233.0	292252.0	485182.0	*	237.	102. AG	945.	6.2	.0	44.0	
8. 0	JB EBDP	* 292252.0	485182.0	292509.0	485143.0	*	260.	99. AG	945.	6.2	.0	44.0	
9. 0	JB WB	* 292511.0	485156.0	292186.0	485210.0	*	329.	279. AG	530.	7.0	.0	44.0	
10. 0	JB WB	* 292186.0	485210.0	292007.0	485262.0	*	186.	286. AG	530.	7.0	.0	44.0	
11. 0	JB WB	* 292074.0	485242.0	292086.5	485238.3	*	13.	106. AG	40.	100.0	.0	24.0	.29 .7
12. 0	JB WBDP	* 292007.0	485264.0	291910.0	485302.0	*	104.	291. AG	490.	7.0	.0	44.0	
13. 0	JB WBDP	* 291910.0	485302.0	291739.0	485334.0	*	174.	281. AG	490.	7.0	.0	44.0	
14. 0	JB WBDP	* 291737.0	485335.0	291059.0	485446.0	*	687.	279. AG	490.	7.0	.0	44.0	
15. 0	JB WBDP	* 291059.0	485446.0	290547.0	485535.0	*	520.	280. AG	490.	7.0	.0	44.0	
16. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	232.	5.3	.0	44.0	
17. 0	Man NBR	* 292025.0	485201.0	291993.5	485153.4	*	57.	213. AG	101.	100.0	.0	12.0	.52 2.9
18. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	40.	5.3	.0	44.0	
19. 0	Man NBL	* 292015.0	485204.0	292007.9	485193.8	*	12.	215. AG	128.	100.0	.0	12.0	.22 .6

JOB: S17 N Chevy Chase School EXPM  
DATE: 11/02/2007 TIME: 22:40:53.99

RUN: S17 N Chevy Chase School EXPM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	JB EB	* 68	26	2.0	730	1723	57.00	1	3
11. 0	JB WB	* 68	9	2.0	530	1113	57.00	1	3
17. 0	Man NBR	* 68	45	2.0	232	1583	57.00	1	3
19. 0	Man NBL	* 68	57	2.0	40	1770	57.00	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291244.0	485380.0	5.0	*
7. S Sch	*	291367.0	485358.0	5.0	*
8. S Sch	*	291461.0	485341.0	5.0	*
9. S Sch	*	291524.0	485332.0	5.0	*
10. S Sch	*	291634.0	485314.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*
22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

JOB: S17 N Chevy Chase School EXPM

RUN: S17 N Chevy Chase School EXPM

#### MODEL RESULTS





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RUN: S17 N Chevy Chase School EXPM

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## MODEL RESULTS

WIND ANGLE RANGE: 0.-360.

WIND CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33

0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
90.	*	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
95.	*	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
100.	*	.2	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0
105.	*	.2	.3	.3	.3	.2	.0	.0	.0	.0	.0	.0
110.	*	.2	.4	.3	.3	.3	.0	.0	.0	.0	.0	.0
115.	*	.3	.4	.4	.3	.3	.1	.0	.0	.0	.0	.0
120.	*	.2	.4	.4	.3	.3	.1	.1	.0	.0	.1	.0
125.	*	.2	.4	.4	.4	.3	.2	.2	.0	.0	.1	.2
130.	*	.2	.4	.4	.4	.3	.2	.2	.0	.0	.1	.2
135.	*	.2	.4	.4	.2	.2	.2	.2	.0	.1	.2	.2
140.	*	.2	.3	.2	.2	.2	.2	.2	.0	.1	.2	.2
145.	*	.2	.2	.2	.2	.2	.2	.2	.0	.1	.2	.2
150.	*	.2	.2	.2	.2	.2	.2	.2	.1	.1	.2	.2
155.	*	.2	.2	.2	.2	.2	.2	.2	.1	.1	.2	.2
160.	*	.2	.2	.2	.2	.2	.2	.2	.1	.0	.1	.2
165.	*	.2	.2	.2	.2	.2	.2	.2	.1	.0	.1	.2
170.	*	.2	.2	.2	.2	.2	.2	.2	.1	.0	.1	.2
175.	*	.2	.2	.2	.2	.2	.2	.2	.1	.0	.1	.2
180.	*	.2	.2	.2	.2	.2	.1	.2	.1	.0	.1	.2
185.	*	.2	.2	.2	.2	.2	.0	.2	.0	.1	.2	.2
190.	*	.2	.2	.2	.2	.2	.1	.2	.1	.0	.1	.2
195.	*	.2	.2	.2	.2	.2	.2	.2	.1	.2	.0	.2
200.	*	.2	.2	.2	.2	.2	.2	.2	.1	.2	.0	.2
205.	*	.2	.2	.2	.2	.2	.2	.2	.1	.1	.0	.1

1

RUN: S17 N Chevv Chase School EXPM

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WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33

[illegible]

325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

-----*													
MAX	*	.3	.4	.4	.4	.4	.2	.2	.2	.2	.1	.2	.2
DEGR.	*	115	110	115	125	250	125	125	215	195	155	135	125

THE HIGHEST CONCENTRATION IS .40 PPM AT 305 DEGREES FROM REC6 .

THE 2ND HIGHEST CONCENTRATION IS .40 PPM AT 290 DEGREES FROM REC11.

THE 3RD HIGHEST CONCENTRATION IS .40 PPM AT 115 DEGREES FROM REC17.

S17 N Chevy Chase School NB15AM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291244. 485380. 5.0		
S Sch	291367. 485358. 5.0		
S Sch	291461. 485341. 5.0		
S Sch	291524. 485332. 5.0		
S Sch	291634. 485314. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School NB15AM	19 1 0		
1			
0	JB EB	AG290539.485502.290975.485434.	270 3.9 0 44 15.
1			
0	JB EB	AG290975.485434.291184.485414.	270 3.9 0 44 15.
1			
0	JB EB	AG291184.485414.291737.485318.	270 3.9 0 44 15.
1			
0	JB EB	AG291737.485318.291861.485294.	270 3.9 0 44 15.
1			
0	JB EB	AG291861.485294.292022.485233.	270 3.9 0 44 15.
2			
0	JB EB	AG291989.485246.291871.485290.	0. 24 2
40	21	2.0 270 33.4 1723 1 3	
1			
0	JB EBDP	AG292021.485233.292252.485182.	465 3.9 0 44 15.
1			
0	JB EBDP	AG292252.485182.292509.485143.	465 3.9 0 44 15.
1			
0	JB WB	AG292511.485156.292186.485210.	975 4.4 0 44 12.
1			
0	JB WB	AG292186.485210.292007.485262.	975 4.4 0 44 12.
2			
0	JB WB	AG292074.485242.292182.485210.	0. 24 2
40	8	2.0 975 33.4 1469 1 3	
1			
0	JB WBDP	AG292007.485264.291910.485302.	760 4.4 0 44 12.
1			
0	JB WBDP	AG291910.485302.291739.485334.	760 4.4 0 44 12.
1			
0	JB WBDP	AG291737.485335.291059.485446.	760 4.4 0 44 12.
1			
0	JB WBDP	AG291059.485446.290547.485535.	760 4.4 0 44 12.
1			
0	Man NBR	AG291860.484962.292045.485230.	210 3.1 0 44 25.
2			
0	Man NBR	AG292025.485201.291988.485145.	0. 12 1
40	22	2.0 210 33.4 1583 1 3	
1			
0	Man NBL	AG291852.484968.292035.485234.	65 3.1 0 44 25.
2			
0	Man NBL	AG292015.485204.291961.485126.	0. 12 1
40	31	2.0 65 33.4 1770 1 3	
1.0	04 1000 0Y 5 0 72		

JOB: S17 N Chevy Chase School NB15AM  
 DATE: 11/02/2007 TIME: 22:41:53.04

RUN: S17 N Chevy Chase School NB15AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. 0	JB EB	* 290539.0	485502.0	290975.0	485434.0	*	441.	99. AG	270.	3.9	.0	44.0		
2. 0	JB EB	* 290975.0	485434.0	291184.0	485414.0	*	210.	95. AG	270.	3.9	.0	44.0		
3. 0	JB EB	* 291184.0	485414.0	291737.0	485318.0	*	561.	100. AG	270.	3.9	.0	44.0		
4. 0	JB EB	* 291737.0	485318.0	291861.0	485294.0	*	126.	101. AG	270.	3.9	.0	44.0		
5. 0	JB EB	* 291861.0	485294.0	292022.0	485233.0	*	172.	111. AG	270.	3.9	.0	44.0		
6. 0	JB EB	* 291989.0	485246.0	291974.5	485251.4	*	16.	290. AG	94.	100.0	.0	24.0	.21	.8
7. 0	JB EBDP	* 292021.0	485233.0	292252.0	485182.0	*	237.	102. AG	465.	3.9	.0	44.0		
8. 0	JB EBDP	* 292252.0	485182.0	292509.0	485143.0	*	260.	99. AG	465.	3.9	.0	44.0		
9. 0	JB WB	* 292511.0	485156.0	292186.0	485210.0	*	329.	279. AG	975.	4.4	.0	44.0		
10. 0	JB WB	* 292186.0	485210.0	292007.0	485262.0	*	186.	286. AG	975.	4.4	.0	44.0		
11. 0	JB WB	* 292074.0	485242.0	292094.4	485236.0	*	21.	106. AG	36.	100.0	.0	24.0	.47	1.1
12. 0	JB WBDP	* 292007.0	485264.0	291910.0	485302.0	*	104.	291. AG	760.	4.4	.0	44.0		
13. 0	JB WBDP	* 291910.0	485302.0	291739.0	485334.0	*	174.	281. AG	760.	4.4	.0	44.0		
14. 0	JB WBDP	* 291737.0	485335.0	291059.0	485446.0	*	687.	279. AG	760.	4.4	.0	44.0		
15. 0	JB WBDP	* 291059.0	485446.0	290547.0	485535.0	*	520.	280. AG	760.	4.4	.0	44.0		
16. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	210.	3.1	.0	44.0		
17. 0	Man NBR	* 292025.0	485201.0	292011.1	485179.9	*	25.	213. AG	49.	100.0	.0	12.0	.38	1.3
18. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	65.	3.1	.0	44.0		
19. 0	Man NBL	* 292015.0	485204.0	292008.7	485195.0	*	11.	215. AG	69.	100.0	.0	12.0	.29	.6

JOB: S17 N Chevy Chase School NB15AM  
 DATE: 11/02/2007 TIME: 22:41:53.04

RUN: S17 N Chevy Chase School NB15AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	JB EB	* 40	21	2.0	270	1723	33.40	1	3
11. 0	JB WB	* 40	8	2.0	975	1469	33.40	1	3
17. 0	Man NBR	* 40	22	2.0	210	1583	33.40	1	3
19. 0	Man NBL	* 40	31	2.0	65	1770	33.40	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291244.0	485380.0	5.0	*
7. S Sch	*	291367.0	485358.0	5.0	*
8. S Sch	*	291461.0	485341.0	5.0	*
9. S Sch	*	291524.0	485332.0	5.0	*
10. S Sch	*	291634.0	485314.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*
22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

JOB: S17 N Chevy Chase School NB15AM

RUN: S17 N Chevy Chase School NB15AM

#### MODEL RESULTS



1

RUN: S17 N Chevy Chase School NB15AM

PAGE 5

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND \* CONCENTRATION

WIND CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33

	*	*	*	*	*	*	*	*	*	*	*	*
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
90.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
95.	*	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
100.	*	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
105.	*	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
110.	*	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
115.	*	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0
120.	*	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.1
125.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.1	.1
130.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.1	.1
135.	*	.1	.2	.1	.1	.1	.1	.0	.0	.0	.1	.1
140.	*	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1	.1
145.	*	.1	.1	.1	.1	.1	.1	.0	.1	.0	.1	.1
150.	*	.1	.1	.1	.1	.1	.1	.0	.1	.0	.1	.1
155.	*	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1	.1
160.	*	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1
165.	*	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1
170.	*	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1
175.	*	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1
180.	*	.1	.1	.1	.1	.1	.0	.1	.0	.0	.0	.1
185.	*	.1	.1	.1	.1	.1	.0	.1	.0	.0	.0	.1
190.	*	.1	.1	.1	.1	.1	.0	.1	.0	.0	.0	.1
195.	*	.1	.1	.1	.1	.1	.1	.1	.0	.0	.1	.1
200.	*	.1	.1	.1	.1	.1	.1	.1	.0	.0	.1	.1
205.	*	.1	.1	.1	.1	.1	.1	.1	.0	.0	.1	.1

1

RUN: S17 N Chevv Chase School NB15AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33

[illegible]

325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

-----*													
MAX	*	.1	.2	.2	.2	.2	.1	.1	.1	.1	.0	.1	.1
DEGR.	*	90	100	105	105	110	115	125	195	145	0	125	120

THE HIGHEST CONCENTRATION IS .20 PPM AT 75 DEGREES FROM REC6 .

THE 2ND HIGHEST CONCENTRATION IS .20 PPM AT 80 DEGREES FROM REC7 .

THE 3RD HIGHEST CONCENTRATION IS .20 PPM AT 80 DEGREES FROM REC8 .



S17 N Chevy Chase School NB15PM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371.	5.0	
S Res	290689. 485381.	5.0	
S Res	290781. 485363.	5.0	
S Res	290857. 485351.	5.0	
S Res	290979. 485317.	5.0	
S Sch	291244. 485380.	5.0	
S Sch	291367. 485358.	5.0	
S Sch	291461. 485341.	5.0	
S Sch	291524. 485332.	5.0	
S Sch	291634. 485314.	5.0	
S Sch	291700. 485303.	5.0	
S Sch	291809. 485252.	5.0	
S Res	292409. 485100.	5.0	
S Res	292433. 485012.	5.0	
N Res	290648. 485540.	5.0	
N Res	290723. 485559.	5.0	
N Res	290859. 485504.	5.0	
N Res	290931. 485492.	5.0	
N Res	291027. 485491.	5.0	
N Res	291154. 485458.	5.0	
N Res	291294. 485437.	5.0	
N Res	291352. 485419.	5.0	
N Res	291425. 485408.	5.0	
N Res	291489. 485398.	5.0	
N Res	291571. 485384.	5.0	
N Res	291742. 485381.	5.0	
N Res	291802. 485373.	5.0	
N Res	291888. 485392.	5.0	
N Res	291992. 485381.	5.0	
N Res	292067. 485394.	5.0	
N Res	292177. 485324.	5.0	
N Res	292299. 485272.	5.0	
N Res	292454. 485208.	5.0	
S17 N Chevy Chase School NB15PM	19 1 0		
1			
0	JB EB AG290539.485502.290975.485434.	800 4.0 0 44 14.	
1			
0	JB EB AG290975.485434.291184.485414.	800 4.0 0 44 14.	
1			
0	JB EB AG291184.485414.291737.485318.	800 4.0 0 44 14.	
1			
0	JB EB AG291737.485318.291861.485294.	800 4.0 0 44 14.	
1			
0	JB EB AG291861.485294.292022.485233.	800 4.0 0 44 14.	
2			
0	JB EB AG291989.485246.291871.485290.	0. 24 2	
62	22 2.0 800 33.4 1723 1 3		
1			
0	JB EBDP AG292021.485233.292252.485182.	1040 4.0 0 44 14.	
1			
0	JB EBDP AG292252.485182.292509.485143.	1040 4.0 0 44 14.	
1			
0	JB WB AG292511.485156.292186.485210.	585 4.0 0 44 14.	
1			
0	JB WB AG292186.485210.292007.485262.	585 4.0 0 44 14.	
2			
0	JB WB AG292074.485242.292182.485210.	0. 24 2	
62	9 2.0 585 33.4 1103 1 3		
1			
0	JB WBDP AG292007.485264.291910.485302.	545 4.0 0 44 14.	
1			
0	JB WBDP AG291910.485302.291739.485334.	545 4.0 0 44 14.	
1			
0	JB WBDP AG291737.485335.291059.485446.	545 4.0 0 44 14.	
1			
0	JB WBDP AG291059.485446.290547.485535.	545 4.0 0 44 14.	
1			
0	Man NBR AG291860.484962.292045.485230.	255 3.1 0 44 25.	
2			
0	Man NBR AG292025.485201.291988.485145.	0. 12 1	
62	43 2.0 255 33.4 1583 1 3		
1			
0	Man NBL AG291852.484968.292035.485234.	45 3.1 0 44 25.	
2			
0	Man NBL AG292015.485204.291961.485126.	0. 12 1	
62	52 2.0 45 33.4 1770 1 3		
1.0	04 1000 0Y 5 0 72		

JOB: S17 N Chevy Chase School NB15PM  
 DATE: 11/02/2007 TIME: 22:42:54.72

RUN: S17 N Chevy Chase School NB15PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	JB EB	* 290539.0	485502.0	290975.0	485434.0	*	441.	99. AG	800.	4.0	.0	44.0	
2. 0	JB EB	* 290975.0	485434.0	291184.0	485414.0	*	210.	95. AG	800.	4.0	.0	44.0	
3. 0	JB EB	* 291184.0	485414.0	291737.0	485318.0	*	561.	100. AG	800.	4.0	.0	44.0	
4. 0	JB EB	* 291737.0	485318.0	291861.0	485294.0	*	126.	101. AG	800.	4.0	.0	44.0	
5. 0	JB EB	* 291861.0	485294.0	292022.0	485233.0	*	172.	111. AG	800.	4.0	.0	44.0	
6. 0	JB EB	* 291989.0	485246.0	291943.9	485262.8	*	48.	290. AG	64.	100.0	.0	24.0	.40 2.4
7. 0	JB EBDP	* 292021.0	485233.0	292252.0	485182.0	*	237.	102. AG	1040.	4.0	.0	44.0	
8. 0	JB EBDP	* 292252.0	485182.0	292509.0	485143.0	*	260.	99. AG	1040.	4.0	.0	44.0	
9. 0	JB WB	* 292511.0	485156.0	292186.0	485210.0	*	329.	279. AG	585.	4.0	.0	44.0	
10. 0	JB WB	* 292186.0	485210.0	292007.0	485262.0	*	186.	286. AG	585.	4.0	.0	44.0	
11. 0	JB WB	* 292074.0	485242.0	292087.8	485237.9	*	14.	106. AG	26.	100.0	.0	24.0	.34 .7
12. 0	JB WBDP	* 292007.0	485264.0	291910.0	485302.0	*	104.	291. AG	545.	4.0	.0	44.0	
13. 0	JB WBDP	* 291910.0	485302.0	291739.0	485334.0	*	174.	281. AG	545.	4.0	.0	44.0	
14. 0	JB WBDP	* 291737.0	485335.0	291059.0	485446.0	*	687.	279. AG	545.	4.0	.0	44.0	
15. 0	JB WBDP	* 291059.0	485446.0	290547.0	485535.0	*	520.	280. AG	545.	4.0	.0	44.0	
16. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	255.	3.1	.0	44.0	
17. 0	Man NBR	* 292025.0	485201.0	291991.2	485149.8	*	61.	213. AG	62.	100.0	.0	12.0	.67 3.1
18. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	45.	3.1	.0	44.0	
19. 0	Man NBL	* 292015.0	485204.0	292007.7	485193.5	*	13.	215. AG	75.	100.0	.0	12.0	.26 .7

JOB: S17 N Chevy Chase School NB15PM  
 DATE: 11/02/2007 TIME: 22:42:54.72

RUN: S17 N Chevy Chase School NB15PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	JB EB	* 62	22	2.0	800	1723	33.40	1	3
11. 0	JB WB	* 62	9	2.0	585	1103	33.40	1	3
17. 0	Man NBR	* 62	43	2.0	255	1583	33.40	1	3
19. 0	Man NBL	* 62	52	2.0	45	1770	33.40	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291244.0	485380.0	5.0	*
7. S Sch	*	291367.0	485358.0	5.0	*
8. S Sch	*	291461.0	485341.0	5.0	*
9. S Sch	*	291524.0	485332.0	5.0	*
10. S Sch	*	291634.0	485314.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*
22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

JOB: S17 N Chevy Chase School NB15PM

RUN: S17 N Chevy Chase School NB15PM

#### MODEL RESULTS



DEGR. \* 0 0 0 0 0 75 75 80 80 280 75 0 0 0 110 130 125 110 125 95

1

JOB: S17 N Chevy Chase School NB15PM

RUN: S17 N Chevy Chase School NB15PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33  
-----  
0. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
5. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
10. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
15. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
20. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
25. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
30. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
35. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
40. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
45. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
50. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
55. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
60. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
65. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
70. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
75. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
80. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
85. \* .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
90. \* .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
95. \* .1 .2 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
100. \* .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0  
105. \* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0  
110. \* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0  
115. \* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0  
120. \* .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0  
125. \* .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0  
130. \* .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .1 .0  
135. \* .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .1 .0  
140. \* .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .1 .1  
145. \* .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .1 .2  
150. \* .2 .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .1 .2  
155. \* .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .1 .2  
160. \* .2 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .1 .2  
165. \* .2 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .1 .2  
170. \* .2 .2 .2 .2 .2 .0 .1 .0 .0 .0 .0 .1 .2  
175. \* .2 .2 .2 .2 .2 .0 .1 .0 .0 .0 .0 .1 .2  
180. \* .2 .2 .2 .2 .2 .0 .1 .0 .0 .0 .0 .1 .2  
185. \* .2 .2 .2 .2 .2 .0 .1 .0 .0 .0 .0 .1 .2  
190. \* .2 .2 .2 .2 .2 .0 .1 .0 .0 .0 .1 .1 .2  
195. \* .2 .2 .2 .2 .2 .0 .1 .0 .0 .0 .1 .0 .2  
200. \* .2 .2 .2 .2 .2 .0 .1 .0 .0 .0 .1 .0 .2  
205. \* .2 .2 .2 .2 .2 .1 .1 .0 .0 .0 .1 .0 .2

1

JOB: S17 N Chevy Chase School NB15PM

RUN: S17 N Chevy Chase School NB15PM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33  
-----  
210. \* .2 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .2  
215. \* .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .2  
220. \* .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .2  
225. \* .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .1 .2  
230. \* .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .1 .2  
235. \* .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .1 .2  
240. \* .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .1 .2  
245. \* .2 .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .1 .2  
250. \* .2 .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .1 .2  
255. \* .2 .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .1 .2  
260. \* .2 .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .2  
265. \* .1 .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .2  
270. \* .1 .2 .2 .2 .2 .2 .2 .0 .0 .0 .0 .0 .1  
275. \* .1 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0  
280. \* .1 .1 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0  
285. \* .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
290. \* .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
295. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
300. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
305. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
310. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
315. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
320. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

-----*													
MAX	*	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1
DEGR.	*	100	95	100	100	105	135	260	0	0	0	190	130
												145	

THE HIGHEST CONCENTRATION IS .30 PPM AT 75 DEGREES FROM REC6 .  
 THE 2ND HIGHEST CONCENTRATION IS .30 PPM AT 75 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .30 PPM AT 80 DEGREES FROM REC8 .

S17 N Chevy Chase School LB15AM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291240. 485354. 5.0		
S Sch	291360. 485335. 5.0		
S Sch	291455. 485320. 5.0		
S Sch	291524. 485307. 5.0		
S Sch	291625. 485295. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School LB15AM	35 1 0		
1			
0	Man NBR AG291860.484962.292045.485230.	210 3.1 0 32 25.	
2			
0	Man NBR AG292025.485201.291988.485145.	0. 12 1	
41	23 2.0 210 33.4 1583 1 3		
1			
0	Man NBL AG291852.484968.292035.485234.	65 3.1 0 32 25.	
2			
0	Man NBL AG292015.485204.291961.485126.	0. 12 1	
41	32 2.0 65 33.4 1770 1 3		
1			
0	JB EB AG290538.485491.291012.485407.	319 3.9 0 44 15.	
1			
0	JB EB AG291012.485407.291171.485390.	319 3.9 0 44 15.	
1			
0	JB EB AG291171.485390.291752.485298.	319 3.9 0 44 15.	
1			
0	JB EB AG291752.485298.292031.485223.	319 3.9 0 44 15.	
2			
0	JB EB AG291974.485239.291837.485275.	0. 24 2	
41	21 2.0 319 33.4 1723 1 3		
1			
0	JB EBDP AG292031.485223.292250.485169.	499 3.9 0 44 15.	
1			
0	JB EBDP AG292250.485169.292506.485139.	499 3.9 0 44 15.	
1			
0	JB WB AG292510.485160.292223.485199.	1004 4.4 0 56 12.	
1			
0	JB WB AG292223.485199.292038.485249.	1004 4.4 0 56 12.	
2			
0	JB WB AG292072.485240.292201.485205.	0. 36 3	
41	8 2.0 1004 33.4 1430 1 3		
1			
0	JB WBDP AG292038.485249.291794.485317.	789 4.4 0 56 12.	
1			
0	JB WBDP AG291794.485317.291622.485353.	789 4.4 0 56 12.	
1			
0	JB WBRDP AG291620.485361.291305.485414.	245 4.4 0 32 12.	
1			
0	JB WBRDP AG291305.485414.291144.485439.	245 4.4 0 32 12.	
1			
0	JB WBRDP AG291144.485439.290548.485543.	245 4.4 0 32 12.	
1			
0	JB WBTDP AG291622.485352.291506.485352.	500 4.4 0 32 12.	
1			
0	JB WBTDP AG291506.485352.290993.485437.	500 4.4 0 32 12.	
1			
0	JB WBTDP AG290993.485437.290544.485516.	500 4.4 0 44 12.	
1			
0	WBBUS AG292511.485167.292197.485213.	34 2.5 0 32 25	
1			
0	WBBUS AG292197.485213.291775.485333.	34 2.5 0 32 25	
2			
0	WBBUS AG292070.485246.292170.485221.	0. 12 1	
41	8 2.0 34 25.3 1430 1 3		
1			
0	WBBUS AG291775.485333.291300.485416.	34 2.5 0 32 25	
1			
0	WBBUS AG291300.485416.291134.485427.	34 2.5 0 32 25	
1			

0		WBBUS	AG291134.485427.290544.485531.	34	2.5	0	32	25
0	1	EBBUS	AG290537.485481.291026.485397.	34	2.5	0	32	25
0	1	EBBUS	AG291026.485397.291143.485388.	34	2.5	0	32	25
0	1	EBBUS	AG291143.485388.291536.485328.	34	2.5	0	32	25
0	1	EBBUS	AG291536.485328.291730.485297.	34	2.5	0	32	25
0	1	EBBUS	AG291730.485297.292208.485169.	34	2.5	0	32	25
0	2	EBBUS	AG291963.485234.291862.485261.	0.	12	1		
	41	21	2.0 34 25.3 1723 1 3					
0	1	EBBUS	AG292208.485169.292511.485133.	34	2.5	0	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S17 N Chevy Chase School LB15AM  
DATE: 11/05/2007 TIME: 11:20:54.24

RUN: S17 N Chevy Chase School LB15AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	210.	3.1	.0	32.0	
2. 0	Man NBR	* 292025.0	485201.0	292010.4	485179.0	*	26.	213. AG	50.	100.0	.0	12.0	1.3
3. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	65.	3.1	.0	32.0	
4. 0	Man NBL	* 292015.0	485204.0	292008.5	485194.7	*	11.	215. AG	70.	100.0	.0	12.0	.30 .6
5. 0	JB EB	* 290538.0	485491.0	291012.0	485407.0	*	481.	100. AG	319.	3.9	.0	44.0	
6. 0	JB EB	* 291012.0	485407.0	291171.0	485390.0	*	160.	96. AG	319.	3.9	.0	44.0	
7. 0	JB EB	* 291171.0	485390.0	291752.0	485298.0	*	588.	99. AG	319.	3.9	.0	44.0	
8. 0	JB EB	* 291752.0	485298.0	292031.0	485223.0	*	289.	105. AG	319.	3.9	.0	44.0	
9. 0	JB EB	* 291974.0	485239.0	291956.4	485243.7	*	18.	285. AG	92.	100.0	.0	24.0	.24 .9
10. 0	JB EBDP	* 292031.0	485223.0	292250.0	485169.0	*	226.	104. AG	499.	3.9	.0	44.0	
11. 0	JB EBDP	* 292250.0	485169.0	292506.0	485139.0	*	258.	97. AG	499.	3.9	.0	44.0	
12. 0	JB WB	* 292510.0	485160.0	292223.0	485199.0	*	290.	278. AG	1004.	4.4	.0	56.0	
13. 0	JB WB	* 292223.0	485199.0	292038.0	485249.0	*	192.	285. AG	1004.	4.4	.0	56.0	
14. 0	JB WB	* 292072.0	485240.0	292086.1	485236.2	*	15.	105. AG	52.	100.0	.0	36.0	.33 .7
15. 0	JB WBDP	* 292038.0	485249.0	291794.0	485317.0	*	253.	286. AG	789.	4.4	.0	56.0	
16. 0	JB WBDP	* 291794.0	485317.0	291622.0	485353.0	*	176.	282. AG	789.	4.4	.0	56.0	
17. 0	JB WBRDP	* 291620.0	485361.0	291305.0	485414.0	*	319.	280. AG	245.	4.4	.0	32.0	
18. 0	JB WBRDP	* 291305.0	485414.0	291144.0	485439.0	*	163.	279. AG	245.	4.4	.0	32.0	
19. 0	JB WBRDP	* 291144.0	485439.0	290548.0	485543.0	*	605.	280. AG	245.	4.4	.0	32.0	
20. 0	JB WBTDP	* 291622.0	485352.0	291506.0	485352.0	*	116.	270. AG	500.	4.4	.0	32.0	
21. 0	JB WBTDP	* 291506.0	485352.0	290993.0	485437.0	*	520.	279. AG	500.	4.4	.0	32.0	
22. 0	JB WBTDP	* 290993.0	485437.0	290544.0	485516.0	*	456.	280. AG	500.	4.4	.0	44.0	
23. 0	WBBUS	* 292511.0	485167.0	292197.0	485213.0	*	317.	278. AG	34.	2.5	.0	32.0	
24. 0	WBBUS	* 292197.0	485213.0	291775.0	485333.0	*	439.	286. AG	34.	2.5	.0	32.0	
25. 0	WBBUS	* 292070.0	485246.0	292071.4	485245.7	*	1.	105. AG	13.	100.0	.0	12.0	.03 .1
26. 0	WBBUS	* 291775.0	485333.0	291300.0	485416.0	*	482.	280. AG	34.	2.5	.0	32.0	
27. 0	WBBUS	* 291300.0	485416.0	291134.0	485427.0	*	166.	274. AG	34.	2.5	.0	32.0	
28. 0	WBBUS	* 291134.0	485427.0	290544.0	485531.0	*	599.	280. AG	34.	2.5	.0	32.0	
29. 0	EBBUS	* 290537.0	485481.0	291026.0	485397.0	*	496.	100. AG	34.	2.5	.0	32.0	
30. 0	EBBUS	* 291026.0	485397.0	291143.0	485388.0	*	117.	94. AG	34.	2.5	.0	32.0	
31. 0	EBBUS	* 291143.0	485388.0	291536.0	485328.0	*	398.	99. AG	34.	2.5	.0	32.0	
32. 0	EBBUS	* 291536.0	485328.0	291730.0	485297.0	*	196.	99. AG	34.	2.5	.0	32.0	
33. 0	EBBUS	* 291730.0	485297.0	292208.0	485169.0	*	495.	105. AG	34.	2.5	.0	32.0	
34. 0	EBBUS	* 291963.0	485234.0	291959.2	485235.0	*	4.	285. AG	35.	100.0	.0	12.0	.05 .2
35. 0	EBBUS	* 292208.0	485169.0	292511.0	485133.0	*	305.	97. AG	34.	2.5	.0	32.0	

JOB: S17 N Chevy Chase School LB15AM  
DATE: 11/05/2007 TIME: 11:20:54.24

RUN: S17 N Chevy Chase School LB15AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	Man NBR	* 41	23	2.0	210	1583	33.40	1	3
4. 0	Man NBL	* 41	32	2.0	65	1770	33.40	1	3
9. 0	JB EB	* 41	21	2.0	319	1723	33.40	1	3
14. 0	JB WB	* 41	8	2.0	1004	1430	33.40	1	3
25. 0	WBBUS	* 41	8	2.0	34	1430	25.30	1	3
34. 0	EBBUS	* 41	21	2.0	34	1723	25.30	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291240.0	485354.0	5.0	*
7. S Sch	*	291360.0	485335.0	5.0	*
8. S Sch	*	291455.0	485320.0	5.0	*
9. S Sch	*	291524.0	485307.0	5.0	*
10. S Sch	*	291625.0	485295.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*



22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

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JOB: S17 N Chevy Chase School LB15AM

RUN: S17 N Chevy Chase School LB15AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.2	.2	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.2	.2	.1	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.2	.2	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.2	.1	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.2	.1	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.1	.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.1	.1	.1	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
95.	*	.0	.0	.0	.0	.1	.1	.1	.0	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.1	.1	.0	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.0	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.0	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.0	.1
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.1	.0	.1
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.1	.0	.1
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.1	.0	.1
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.1
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0

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JOB: S17 N Chevy Chase School LB15AM

RUN: S17 N Chevy Chase School LB15AM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.2	.1	.0
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.0
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.0	.1
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.0	.1
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0

285.	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.1	.2	.2	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0
MAX	*	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.2	.1	.1	.0	.2	.0	.2	.2	.1
DEGR.	*	0	0	0	0	0	60	60	290	290	60	85	0	0	0	110	0	125	245	250

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JOB: S17 N Chevy Chase School LB15AM

RUN: S17 N Chevy Chase School LB15AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
100.	*	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
105.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
110.	*	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
115.	*	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.1
120.	*	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1
125.	*	.0	.2	.1	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1
130.	*	.0	.2	.1	.1	.0	.1	.1	.0	.0	.0	.1	.1	.1
135.	*	.0	.2	.1	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1
140.	*	.0	.2	.1	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1
145.	*	.0	.1	.0	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1
150.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1
155.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1
160.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1
165.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1
170.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.1	.1
175.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.1	.1	.1
180.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.1	.1	.1
185.	*	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.1	.1	.1
190.	*	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.1	.1	.1
195.	*	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.1	.1	.1
200.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.1	.1	.1
205.	*	.0	.1	.0	.0	.1	.1	.1	.1	.0	.0	.1	.1	.1

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JOB: S17 N Chevy Chase School LB15AM

RUN: S17 N Chevy Chase School LB15AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33
210.	*	.0	.1	.0	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1
215.	*	.0	.1	.0	.0	.1	.1	.1	.0	.0	.0	.1	.1	.1
220.	*	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1	.1	.1
225.	*	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1	.0	.1
230.	*	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.1	.0	.1

235.	*	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1
240.	*	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1
245.	*	.1	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1
250.	*	.1	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1
255.	*	.1	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1
260.	*	.0	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1
265.	*	.0	.1	.2	.2	.2	.0	.1	.0	.0	.0	.0	.1
270.	*	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.1
275.	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
280.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
285.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*													
MAX	*	.1	.2	.2	.2	.2	.1	.1	.1	.0	.0	.1	.1
DEGR.	*	240	125	245	245	265	110	115	150	0	0	125	120

THE HIGHEST CONCENTRATION IS .20 PPM AT 60 DEGREES FROM REC6 .  
 THE 2ND HIGHEST CONCENTRATION IS .20 PPM AT 60 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .20 PPM AT 290 DEGREES FROM REC8 .

S17 N Chevy Chase School LB15PM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291240. 485354. 5.0		
S Sch	291360. 485335. 5.0		
S Sch	291455. 485320. 5.0		
S Sch	291524. 485307. 5.0		
S Sch	291625. 485295. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School LB15PM	35 1 0		
1			
0	Man NBR AG291860.484962.292045.485230.	255 3.1 0 32 25.	
2			
0	Man NBR AG292025.485201.291988.485145.	0. 12 1	
61	44 2.0 255 33.4 1583 1 3		
1			
0	Man NBL AG291852.484968.292035.485234.	45 3.1 0 32 25.	
2			
0	Man NBL AG292015.485204.291961.485126.	0. 12 1	
61	51 2.0 45 33.4 1770 1 3		
1			
0	JB EB AG290538.485491.291012.485407.	819 4.2 0 44 13.	
1			
0	JB EB AG291012.485407.291171.485390.	819 4.2 0 44 13.	
1			
0	JB EB AG291171.485390.291752.485298.	819 4.2 0 44 13.	
1			
0	JB EB AG291752.485298.292031.485223.	819 4.2 0 44 13.	
2			
0	JB EB AG291974.485239.291837.485275.	0. 24 2	
61	20 2.0 819 33.4 1723 1 3		
1			
0	JB EBDP AG292031.485223.292250.485169.	1074 4.2 0 44 13.	
1			
0	JB EBDP AG292250.485169.292506.485139.	1074 4.2 0 44 13.	
1			
0	JB WB AG292510.485160.292223.485199.	619 4.0 0 56 14.	
1			
0	JB WB AG292223.485199.292038.485249.	619 4.0 0 56 14.	
2			
0	JB WB AG292072.485240.292201.485205.	0. 36 3	
61	9 2.0 619 33.4 1097 1 3		
1			
0	JB WBDP AG292038.485249.291794.485317.	574 4.0 0 56 14.	
1			
0	JB WBDP AG291794.485317.291622.485353.	574 4.0 0 56 14.	
1			
0	JB WBRDP AG291620.485361.291305.485414.	325 4.0 0 32 14.	
1			
0	JB WBRDP AG291305.485414.291144.485439.	325 4.0 0 32 14.	
1			
0	JB WBRDP AG291144.485439.290548.485543.	325 4.0 0 32 14.	
1			
0	JB WBTDP AG291622.485352.291506.485352.	250 4.0 0 32 14.	
1			
0	JB WBTDP AG291506.485352.290993.485437.	250 4.0 0 32 14.	
1			
0	JB WBTDP AG290993.485437.290544.485516.	250 4.0 0 44 14.	
1			
0	WBBUS AG292511.485167.292197.485213.	34 2.5 0 32 25	
1			
0	WBBUS AG292197.485213.291775.485333.	34 2.5 0 32 25	
2			
0	WBBUS AG292070.485246.292170.485221.	0. 12 1	
61	9 2.0 34 25.3 1430 1 3		
1			
0	WBBUS AG291775.485333.291300.485416.	34 2.5 0 32 25	
1			
0	WBBUS AG291300.485416.291134.485427.	34 2.5 0 32 25	
1			

0		WBBUS	AG291134.485427.290544.485531.	34	2.5	0	32	25
0	1	EBBUS	AG290537.485481.291026.485397.	34	2.5	0	32	25
0	1	EBBUS	AG291026.485397.291143.485388.	34	2.5	0	32	25
0	1	EBBUS	AG291143.485388.291536.485328.	34	2.5	0	32	25
0	1	EBBUS	AG291536.485328.291730.485297.	34	2.5	0	32	25
0	1	EBBUS	AG291730.485297.292208.485169.	34	2.5	0	32	25
0	2	EBBUS	AG291963.485234.291862.485261.	0.	12	1		
0	61	20	2.0 34 25.3 1723 1 3					
0	1	EBBUS	AG292208.485169.292511.485133.	34	2.5	0	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S17 N Chevy Chase School LB15PM  
DATE: 11/05/2007 TIME: 11:21:18.46

RUN: S17 N Chevy Chase School LB15PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	255.	3.1	.0	32.0	
2. 0	Man NBR	* 292025.0	485201.0	291986.4	485142.6	*	70.	213. AG	65.	100.0	.0	12.0	.76 3.6
3. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	45.	3.1	.0	32.0	
4. 0	Man NBL	* 292015.0	485204.0	292007.9	485193.7	*	13.	215. AG	75.	100.0	.0	12.0	.26 .6
5. 0	JB EB	* 290538.0	485491.0	291012.0	485407.0	*	481.	100. AG	819.	4.2	.0	44.0	
6. 0	JB EB	* 291012.0	485407.0	291171.0	485390.0	*	160.	96. AG	819.	4.2	.0	44.0	
7. 0	JB EB	* 291171.0	485390.0	291752.0	485298.0	*	588.	99. AG	819.	4.2	.0	44.0	
8. 0	JB EB	* 291752.0	485298.0	292031.0	485223.0	*	289.	105. AG	819.	4.2	.0	44.0	
9. 0	JB EB	* 291974.0	485239.0	291930.8	485250.4	*	45.	285. AG	59.	100.0	.0	24.0	.39 2.3
10. 0	JB EBDP	* 292031.0	485223.0	292250.0	485169.0	*	226.	104. AG	1074.	4.2	.0	44.0	
11. 0	JB EBDP	* 292250.0	485169.0	292506.0	485139.0	*	258.	97. AG	1074.	4.2	.0	44.0	
12. 0	JB WB	* 292510.0	485160.0	292223.0	485199.0	*	290.	278. AG	619.	4.0	.0	56.0	
13. 0	JB WB	* 292223.0	485199.0	292038.0	485249.0	*	192.	285. AG	619.	4.0	.0	56.0	
14. 0	JB WB	* 292072.0	485240.0	292081.8	485237.4	*	10.	105. AG	40.	100.0	.0	36.0	.24 .5
15. 0	JB WBDP	* 292038.0	485249.0	291794.0	485317.0	*	253.	286. AG	574.	4.0	.0	56.0	
16. 0	JB WBDP	* 291794.0	485317.0	291622.0	485353.0	*	176.	282. AG	574.	4.0	.0	56.0	
17. 0	JB WBRDP	* 291620.0	485361.0	291305.0	485414.0	*	319.	280. AG	325.	4.0	.0	32.0	
18. 0	JB WBRDP	* 291305.0	485414.0	291144.0	485439.0	*	163.	279. AG	325.	4.0	.0	32.0	
19. 0	JB WBRDP	* 291144.0	485439.0	290548.0	485543.0	*	605.	280. AG	325.	4.0	.0	32.0	
20. 0	JB WBTDP	* 291622.0	485352.0	291506.0	485352.0	*	116.	270. AG	250.	4.0	.0	32.0	
21. 0	JB WBTDP	* 291506.0	485352.0	290993.0	485437.0	*	520.	279. AG	250.	4.0	.0	32.0	
22. 0	JB WBTDP	* 290993.0	485437.0	290544.0	485516.0	*	456.	280. AG	250.	4.0	.0	44.0	
23. 0	WBBUS	* 292511.0	485167.0	292197.0	485213.0	*	317.	278. AG	34.	2.5	.0	32.0	
24. 0	WBBUS	* 292197.0	485213.0	291775.0	485333.0	*	439.	286. AG	34.	2.5	.0	32.0	
25. 0	WBBUS	* 292070.0	485246.0	292071.6	485245.6	*	2.	105. AG	10.	100.0	.0	12.0	.03 .1
26. 0	WBBUS	* 291775.0	485333.0	291300.0	485416.0	*	482.	280. AG	34.	2.5	.0	32.0	
27. 0	WBBUS	* 291300.0	485416.0	291134.0	485427.0	*	166.	274. AG	34.	2.5	.0	32.0	
28. 0	WBBUS	* 291134.0	485427.0	290544.0	485531.0	*	599.	280. AG	34.	2.5	.0	32.0	
29. 0	EBBUS	* 290537.0	485481.0	291026.0	485397.0	*	496.	100. AG	34.	2.5	.0	32.0	
30. 0	EBBUS	* 291026.0	485397.0	291143.0	485388.0	*	117.	94. AG	34.	2.5	.0	32.0	
31. 0	EBBUS	* 291143.0	485388.0	291536.0	485328.0	*	398.	99. AG	34.	2.5	.0	32.0	
32. 0	EBBUS	* 291536.0	485328.0	291730.0	485297.0	*	196.	99. AG	34.	2.5	.0	32.0	
33. 0	EBBUS	* 291730.0	485297.0	292208.0	485169.0	*	495.	105. AG	34.	2.5	.0	32.0	
34. 0	EBBUS	* 291963.0	485234.0	291959.4	485235.0	*	4.	285. AG	22.	100.0	.0	12.0	.03 .2
35. 0	EBBUS	* 292208.0	485169.0	292511.0	485133.0	*	305.	97. AG	34.	2.5	.0	32.0	

JOB: S17 N Chevy Chase School LB15PM  
DATE: 11/05/2007 TIME: 11:21:18.46

RUN: S17 N Chevy Chase School LB15PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	Man NBR	* 61	44	2.0	255	1583	33.40	1	3
4. 0	Man NBL	* 61	51	2.0	45	1770	33.40	1	3
9. 0	JB EB	* 61	20	2.0	819	1723	33.40	1	3
14. 0	JB WB	* 61	9	2.0	619	1097	33.40	1	3
25. 0	WBBUS	* 61	9	2.0	34	1430	25.30	1	3
34. 0	EBBUS	* 61	20	2.0	34	1723	25.30	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291240.0	485354.0	5.0	*
7. S Sch	*	291360.0	485335.0	5.0	*
8. S Sch	*	291455.0	485320.0	5.0	*
9. S Sch	*	291524.0	485307.0	5.0	*
10. S Sch	*	291625.0	485295.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*

22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

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JOB: S17 N Chevy Chase School LB15PM

RUN: S17 N Chevy Chase School LB15PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0
5.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
40.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
45.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
50.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
55.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
60.	*	.0	.1	.1	.0	.0	.1	.1	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
65.	*	.0	.1	.1	.0	.0	.1	.1	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
70.	*	.0	.1	.0	.0	.0	.2	.2	.2	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
75.	*	.0	.1	.0	.0	.0	.2	.2	.2	.1	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.2	.2	.2	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.2	.2	.2	.1	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.2	.2	.2	.1	.1	.3	.1	.0	.0	.1	.0	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.2	.1	.1	.1	.1	.2	.1	.0	.0	.1	.0	.1	.1	.0
100.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.1	.0	.0	.1	.0	.1	.1	.0
105.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.1	.0	.0	.1	.0	.1	.1	.0
110.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.2	.1	.0	.0	.1	.0	.1	.1	.0
115.	*	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.2	.0	.1	.1	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	.0	.1	.1	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.1	.1	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.1	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.1	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.1	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.1	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.1
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0

1

JOB: S17 N Chevy Chase School LB15PM

RUN: S17 N Chevy Chase School LB15PM

PAGE 4

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.0	.1
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.1	.1
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	.1	.1
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1	.1
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1	.1
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1	.1
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.2	.2	.1	.1
265.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.1	.0	.2	.2	.1	.1
270.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.0	.0	.0	.1	.0	.1	.1	.0	.1
275.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0	.0	.1	.0	.1	.1	.0	.1
280.	*	.0	.0	.0	.0	.0	.2	.1	.1	.1	.2	.2	.1	.0	.1	.0	.1	.1	.0	.1





235.	*	.1	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2
240.	*	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2
245.	*	.1	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2
250.	*	.1	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.1	.2
255.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.2
260.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.2
265.	*	.1	.0	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1
270.	*	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.1
275.	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*														
MAX	*	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.2
DEGR.	*	110	105	110	110	120	195	135	0	0	0	185	135	145

THE HIGHEST CONCENTRATION IS .30 PPM AT 85 DEGREES FROM REC11.  
 THE 2ND HIGHEST CONCENTRATION IS .20 PPM AT 70 DEGREES FROM REC6 .  
 THE 3RD HIGHEST CONCENTRATION IS .20 PPM AT 70 DEGREES FROM REC7 .

Site 17

North Chevy Chase  
Elementary School

2030

S17 N Chevy Chase School NB30AM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291244. 485380. 5.0		
S Sch	291367. 485358. 5.0		
S Sch	291461. 485341. 5.0		
S Sch	291524. 485332. 5.0		
S Sch	291634. 485314. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School NB30AM	19 1 0		
1			
0	JB EB AG290539.485502.290975.485434.	310 3.5 0 44 14.	
1			
0	JB EB AG290975.485434.291184.485414.	310 3.5 0 44 14.	
1			
0	JB EB AG291184.485414.291737.485318.	310 3.5 0 44 14.	
1			
0	JB EB AG291737.485318.291861.485294.	310 3.5 0 44 14.	
1			
0	JB EB AG291861.485294.292022.485233.	310 3.5 0 44 14.	
2			
0	JB EB AG291989.485246.291871.485290.	0. 24 2	
43	24 2.0 310 29.1 1723 1 3		
1			
0	JB EBDP AG292021.485233.292252.485182.	530 3.5 0 44 14.	
1			
0	JB EBDP AG292252.485182.292509.485143.	530 3.5 0 44 14.	
1			
0	JB WB AG292511.485156.292186.485210.	1105 4.2 0 44 10.	
1			
0	JB WB AG292186.485210.292007.485262.	1105 4.2 0 44 10.	
2			
0	JB WB AG292074.485242.292182.485210.	0. 24 2	
43	9 2.0 1105 29.1 1413 1 3		
1			
0	JB WBDP AG292007.485264.291910.485302.	860 4.2 0 44 10.	
1			
0	JB WBDP AG291910.485302.291739.485334.	860 4.2 0 44 10.	
1			
0	JB WBDP AG291737.485335.291059.485446.	860 4.2 0 44 10.	
1			
0	JB WBDP AG291059.485446.290547.485535.	860 4.2 0 44 10.	
1			
0	Man NBR AG291860.484962.292045.485230.	240 2.7 0 44 25.	
2			
0	Man NBR AG292025.485201.291988.485145.	0. 12 1	
43	22 2.0 240 29.1 1583 1 3		
1			
0	Man NBL AG291852.484968.292035.485234.	75 2.7 0 44 25.	
2			
0	Man NBL AG292015.485204.291961.485126.	0. 12 1	
43	33 2.0 75 29.1 1770 1 3		
1.0	04 1000 0Y 5 0 72		

JOB: S17 N Chevy Chase School NB30AM  
 DATE: 11/02/2007 TIME: 22:14:24.17

RUN: S17 N Chevy Chase School NB30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	JB EB	* 290539.0	485502.0	290975.0	485434.0	*	441.	99. AG	310.	3.5	.0	44.0	
2. 0	JB EB	* 290975.0	485434.0	291184.0	485414.0	*	210.	95. AG	310.	3.5	.0	44.0	
3. 0	JB EB	* 291184.0	485414.0	291737.0	485318.0	*	561.	100. AG	310.	3.5	.0	44.0	
4. 0	JB EB	* 291737.0	485318.0	291861.0	485294.0	*	126.	101. AG	310.	3.5	.0	44.0	
5. 0	JB EB	* 291861.0	485294.0	292022.0	485233.0	*	172.	111. AG	310.	3.5	.0	44.0	
6. 0	JB EB	* 291989.0	485246.0	291969.9	485253.1	*	20.	290. AG	87.	100.0	.0	24.0	.26 1.0
7. 0	JB EBDP	* 292021.0	485233.0	292252.0	485182.0	*	237.	102. AG	530.	3.5	.0	44.0	
8. 0	JB EBDP	* 292252.0	485182.0	292509.0	485143.0	*	260.	99. AG	530.	3.5	.0	44.0	
9. 0	JB WB	* 292511.0	485156.0	292186.0	485210.0	*	329.	279. AG	1105.	4.2	.0	44.0	
10. 0	JB WB	* 292186.0	485210.0	292007.0	485262.0	*	186.	286. AG	1105.	4.2	.0	44.0	
11. 0	JB WB	* 292074.0	485242.0	292100.0	485234.3	*	27.	107. AG	33.	100.0	.0	24.0	.56 1.4
12. 0	JB WBDP	* 292007.0	485264.0	291910.0	485302.0	*	104.	291. AG	860.	4.2	.0	44.0	
13. 0	JB WBDP	* 291910.0	485302.0	291739.0	485334.0	*	174.	281. AG	860.	4.2	.0	44.0	
14. 0	JB WBDP	* 291737.0	485335.0	291059.0	485446.0	*	687.	279. AG	860.	4.2	.0	44.0	
15. 0	JB WBDP	* 291059.0	485446.0	290547.0	485535.0	*	520.	280. AG	860.	4.2	.0	44.0	
16. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	240.	2.7	.0	44.0	
17. 0	Man NBR	* 292025.0	485201.0	292009.1	485176.9	*	29.	213. AG	40.	100.0	.0	12.0	.38 1.5
18. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	75.	2.7	.0	44.0	
19. 0	Man NBL	* 292015.0	485204.0	292007.3	485192.9	*	14.	215. AG	60.	100.0	.0	12.0	.30 .7

JOB: S17 N Chevy Chase School NB30AM  
 DATE: 11/02/2007 TIME: 22:14:24.17

RUN: S17 N Chevy Chase School NB30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	JB EB	* 43	24	2.0	310	1723	29.10	1	3
11. 0	JB WB	* 43	9	2.0	1105	1413	29.10	1	3
17. 0	Man NBR	* 43	22	2.0	240	1583	29.10	1	3
19. 0	Man NBL	* 43	33	2.0	75	1770	29.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291244.0	485380.0	5.0	*
7. S Sch	*	291367.0	485358.0	5.0	*
8. S Sch	*	291461.0	485341.0	5.0	*
9. S Sch	*	291524.0	485332.0	5.0	*
10. S Sch	*	291634.0	485314.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*
22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

JOB: S17 N Chevy Chase School NB30AM

RUN: S17 N Chevy Chase School NB30AM

#### MODEL RESULTS



DEGR. \* 0 0 0 0 0 75 75 80 75 280 280 0 0 0 100 105 110 95 140 105

1

JOB: S17 N Chevy Chase School NB30AM

RUN: S17 N Chevy Chase School NB30AM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33  
-----  
0. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
5. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
10. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
15. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
20. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
25. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
30. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
35. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
40. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
45. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
50. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
55. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
60. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
65. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
70. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
75. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
80. \* .0 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
85. \* .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
90. \* .1 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
95. \* .1 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
100. \* .1 .2 .2 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
105. \* .1 .2 .2 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0  
110. \* .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0  
115. \* .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0  
120. \* .2 .2 .2 .2 .2 .1 .0 .0 .0 .0 .1 .0 .0  
125. \* .2 .2 .2 .2 .2 .1 .1 .0 .0 .1 .1 .1 .1  
130. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .1 .1 .1 .1  
135. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .1 .1 .1 .1  
140. \* .1 .2 .2 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
145. \* .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
150. \* .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
155. \* .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
160. \* .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
165. \* .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
170. \* .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
175. \* .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
180. \* .1 .1 .1 .1 .1 .1 .0 .1 .0 .1 .1 .1 .1  
185. \* .1 .1 .1 .1 .1 .1 .0 .1 .0 .1 .1 .1 .1  
190. \* .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1 .1  
195. \* .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1  
200. \* .1 .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1  
205. \* .1 .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1

1

JOB: S17 N Chevy Chase School NB30AM

RUN: S17 N Chevy Chase School NB30AM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33  
-----  
210. \* .1 .1 .1 .1 .1 .1 .1 .1 .0 .0 .1 .1 .1  
215. \* .1 .1 .1 .1 .1 .1 .1 .1 .0 .0 .1 .1 .1  
220. \* .1 .1 .1 .1 .1 .1 .1 .1 .0 .0 .1 .1 .1  
225. \* .1 .1 .1 .1 .1 .1 .1 .1 .0 .0 .1 .1 .1  
230. \* .1 .1 .1 .1 .1 .1 .1 .1 .0 .0 .1 .1 .1  
235. \* .1 .1 .1 .1 .1 .1 .1 .1 .0 .0 .1 .1 .1  
240. \* .1 .2 .2 .2 .2 .1 .0 .0 .0 .0 .1 .0 .1  
245. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .1  
250. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .0 .0 .1  
255. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .1 .1 .1  
260. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .1 .1 .1  
265. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .1 .1 .1  
270. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .1 .1 .1  
275. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .1 .1 .1  
280. \* .1 .2 .2 .2 .2 .1 .1 .0 .0 .0 .1 .1 .1  
285. \* .1 .1 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0  
290. \* .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
295. \* .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0  
300. \* .0 .1 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0  
305. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
310. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
315. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
320. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

-----*													
MAX	*	.2	.2	.2	.2	.2	.1	.1	.1	.1	.0	.1	.1
DEGR.	*	110	100	100	105	105	110	125	190	140	0	125	120

THE HIGHEST CONCENTRATION IS .20 PPM AT 75 DEGREES FROM REC6 .

THE 2ND HIGHEST CONCENTRATION IS .20 PPM AT 75 DEGREES FROM REC7 .

THE 3RD HIGHEST CONCENTRATION IS .20 PPM AT 80 DEGREES FROM REC8 .

S17 N Chevy Chase School NB30PM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291244. 485380. 5.0		
S Sch	291367. 485358. 5.0		
S Sch	291461. 485341. 5.0		
S Sch	291524. 485332. 5.0		
S Sch	291634. 485314. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School NB30PM	19 1 0		
1			
0	JB EB	AG290539.485502.290975.485434.	910 3.7 0 44 13.
1			
0	JB EB	AG290975.485434.291184.485414.	910 3.7 0 44 13.
1			
0	JB EB	AG291184.485414.291737.485318.	910 3.7 0 44 13.
1			
0	JB EB	AG291737.485318.291861.485294.	910 3.7 0 44 13.
1			
0	JB EB	AG291861.485294.292022.485233.	910 3.7 0 44 13.
2			
0	JB EB	AG291989.485246.291871.485290.	0. 24 2
66	21	2.0 910 29.1 1723 1 3	
1			
0	JB EBDP	AG292021.485233.292252.485182.	1180 3.7 0 44 13.
1			
0	JB EBDP	AG292252.485182.292509.485143.	1180 3.7 0 44 13.
1			
0	JB WB	AG292511.485156.292186.485210.	665 3.8 0 44 12.
1			
0	JB WB	AG292186.485210.292007.485262.	665 3.8 0 44 12.
2			
0	JB WB	AG292074.485242.292182.485210.	0. 24 2
66	10	2.0 665 29.1 1068 1 3	
1			
0	JB WBDP	AG292007.485264.291910.485302.	615 3.8 0 44 12.
1			
0	JB WBDP	AG291910.485302.291739.485334.	615 3.8 0 44 12.
1			
0	JB WBDP	AG291737.485335.291059.485446.	615 3.8 0 44 12.
1			
0	JB WBDP	AG291059.485446.290547.485535.	615 3.8 0 44 12.
1			
0	Man NBR	AG291860.484962.292045.485230.	290 2.7 0 44 25.
2			
0	Man NBR	AG292025.485201.291988.485145.	0. 12 1
66	48	2.0 290 29.1 1583 1 3	
1			
0	Man NBL	AG291852.484968.292035.485234.	50 2.7 0 44 25.
2			
0	Man NBL	AG292015.485204.291961.485126.	0. 12 1
66	56	2.0 50 29.1 1770 1 3	
1.0	04 1000 0Y 5 0 72		



JOB: S17 N Chevy Chase School NB30PM  
DATE: 11/02/2007 TIME: 22:28:20.69

RUN: S17 N Chevy Chase School NB30PM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	JB EB	* 290539.0	485502.0	290975.0	485434.0	*	441.	99. AG	910.	3.7	.0	44.0	
2. 0	JB EB	* 290975.0	485434.0	291184.0	485414.0	*	210.	95. AG	910.	3.7	.0	44.0	
3. 0	JB EB	* 291184.0	485414.0	291737.0	485318.0	*	561.	100. AG	910.	3.7	.0	44.0	
4. 0	JB EB	* 291737.0	485318.0	291861.0	485294.0	*	126.	101. AG	910.	3.7	.0	44.0	
5. 0	JB EB	* 291861.0	485294.0	292022.0	485233.0	*	172.	111. AG	910.	3.7	.0	44.0	
6. 0	JB EB	* 291989.0	485246.0	291940.1	485264.3	*	52.	290. AG	50.	100.0	.0	24.0	.43 2.7
7. 0	JB EBDP	* 292021.0	485233.0	292252.0	485182.0	*	237.	102. AG	1180.	3.7	.0	44.0	
8. 0	JB EBDP	* 292252.0	485182.0	292509.0	485143.0	*	260.	99. AG	1180.	3.7	.0	44.0	
9. 0	JB WB	* 292511.0	485156.0	292186.0	485210.0	*	329.	279. AG	665.	3.8	.0	44.0	
10. 0	JB WB	* 292186.0	485210.0	292007.0	485262.0	*	186.	286. AG	665.	3.8	.0	44.0	
11. 0	JB WB	* 292074.0	485242.0	292091.4	485236.8	*	18.	107. AG	24.	100.0	.0	24.0	.39 .9
12. 0	JB WBDP	* 292007.0	485264.0	291910.0	485302.0	*	104.	291. AG	615.	3.8	.0	44.0	
13. 0	JB WBDP	* 291910.0	485302.0	291739.0	485334.0	*	174.	281. AG	615.	3.8	.0	44.0	
14. 0	JB WBDP	* 291737.0	485335.0	291059.0	485446.0	*	687.	279. AG	615.	3.8	.0	44.0	
15. 0	JB WBDP	* 291059.0	485446.0	290547.0	485535.0	*	520.	280. AG	615.	3.8	.0	44.0	
16. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	290.	2.7	.0	44.0	
17. 0	Man NBR	* 292025.0	485201.0	291968.2	485115.0	*	103.	213. AG	57.	100.0	.0	12.0	.87 5.2
18. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	50.	2.7	.0	44.0	
19. 0	Man NBL	* 292015.0	485204.0	292006.3	485191.4	*	15.	215. AG	66.	100.0	.0	12.0	.31 .8

JOB: S17 N Chevy Chase School NB30PM  
DATE: 11/02/2007 TIME: 22:28:20.69

RUN: S17 N Chevy Chase School NB30PM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
6. 0	JB EB	* 66	21	2.0	910	1723	29.10	1	3
11. 0	JB WB	* 66	10	2.0	665	1068	29.10	1	3
17. 0	Man NBR	* 66	48	2.0	290	1583	29.10	1	3
19. 0	Man NBL	* 66	56	2.0	50	1770	29.10	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291244.0	485380.0	5.0	*
7. S Sch	*	291367.0	485358.0	5.0	*
8. S Sch	*	291461.0	485341.0	5.0	*
9. S Sch	*	291524.0	485332.0	5.0	*
10. S Sch	*	291634.0	485314.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*
22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

JOB: S17 N Chevy Chase School NB30PM

RUN: S17 N Chevy Chase School NB30PM

MODEL RESULTS





325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

-----*														
MAX	*	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.1	.1	.2
DEGR.	*	100	95	100	100	105	135	155	0	0	0	175	130	140

THE HIGHEST CONCENTRATION IS .30 PPM AT 70 DEGREES FROM REC6 .  
 THE 2ND HIGHEST CONCENTRATION IS .30 PPM AT 70 DEGREES FROM REC7 .  
 THE 3RD HIGHEST CONCENTRATION IS .30 PPM AT 75 DEGREES FROM REC8 .

S17 N Chevy Chase School LB30AM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291240. 485354. 5.0		
S Sch	291360. 485335. 5.0		
S Sch	291455. 485320. 5.0		
S Sch	291524. 485307. 5.0		
S Sch	291625. 485295. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School LB30AM	35 1 0		
1			
0	Man NBR AG291860.484962.292045.485230.	240 2.7 0 32 25.	
2			
0	Man NBR AG292025.485201.291988.485145.	0. 12 1	
44	23 2.0 240 29.1 1583 1 3		
1			
0	Man NBL AG291852.484968.292035.485234.	75 2.7 0 32 25.	
2			
0	Man NBL AG292015.485204.291961.485126.	0. 12 1	
44	34 2.0 75 29.1 1770 1 3		
1			
0	JB EB AG290538.485491.291012.485407.	344 3.5 0 44 14.	
1			
0	JB EB AG291012.485407.291171.485390.	344 3.5 0 44 14.	
1			
0	JB EB AG291171.485390.291752.485298.	344 3.5 0 44 14.	
1			
0	JB EB AG291752.485298.292031.485223.	344 3.5 0 44 14.	
2			
0	JB EB AG291974.485239.291837.485275.	0. 24 2	
44	24 2.0 344 29.1 1723 1 3		
1			
0	JB EBDP AG292031.485223.292250.485169.	564 3.5 0 44 14.	
1			
0	JB EBDP AG292250.485169.292506.485139.	564 3.5 0 44 14.	
1			
0	JB WB AG292510.485160.292223.485199.	1139 4.5 0 56 9.	
1			
0	JB WB AG292223.485199.292038.485249.	1139 4.5 0 56 9.	
2			
0	JB WB AG292072.485240.292201.485205.	0. 36 3	
44	9 2.0 1139 29.1 1375 1 3		
1			
0	JB WBDP AG292038.485249.291794.485317.	894 4.5 0 56 9.	
1			
0	JB WBDP AG291794.485317.291622.485353.	894 4.5 0 56 9.	
1			
0	JB WBRDP AG291620.485361.291305.485414.	280 4.5 0 32 9.	
1			
0	JB WBRDP AG291305.485414.291144.485439.	280 4.5 0 32 9.	
1			
0	JB WBRDP AG291144.485439.290548.485543.	280 4.5 0 32 9.	
1			
0	JB WBTDP AG291622.485352.291506.485352.	570 4.5 0 32 9.	
1			
0	JB WBTDP AG291506.485352.290993.485437.	570 4.5 0 32 9.	
1			
0	JB WBTDP AG290993.485437.290544.485516.	570 4.5 0 44 9.	
1			
0	WBBUS AG292511.485167.292197.485213.	34 0.4 0 32 25	
1			
0	WBBUS AG292197.485213.291775.485333.	34 0.4 0 32 25	
2			
0	WBBUS AG292070.485246.292170.485221.	0. 12 1	
44	9 2.0 34 4.4 1430 1 3		
1			
0	WBBUS AG291775.485333.291300.485416.	34 0.4 0 32 25	
1			
0	WBBUS AG291300.485416.291134.485427.	34 0.4 0 32 25	
1			

0		WBBUS	AG291134.485427.290544.485531.	34	0.4	0	32	25
1								
0		EBBUS	AG290537.485481.291026.485397.	34	0.4	0	32	25
1								
0		EBBUS	AG291026.485397.291143.485388.	34	0.4	0	32	25
1								
0		EBBUS	AG291143.485388.291536.485328.	34	0.4	0	32	25
1								
0		EBBUS	AG291536.485328.291730.485297.	34	0.4	0	32	25
1								
0		EBBUS	AG291730.485297.292208.485169.	34	0.4	0	32	25
2								
0		EBBUS	AG291963.485234.291862.485261.	0.	12	1		
1	44	24	2.0 34 4.4 1723 1 3					
0		EBBUS	AG292208.485169.292511.485133.	34	0.4	0	32	25
1.0	04 1000 0Y 5 0 72							

JOB: S17 N Chevy Chase School LB30AM  
DATE: 11/05/2007 TIME: 11:29:48.06

RUN: S17 N Chevy Chase School LB30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	240.	2.7	.0	32.0	
2. 0	Man NBR	* 292025.0	485201.0	292008.4	485175.8	*	30.	213. AG	41.	100.0	.0	12.0	.39 1.5
3. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	75.	2.7	.0	32.0	
4. 0	Man NBL	* 292015.0	485204.0	292007.1	485192.5	*	14.	215. AG	60.	100.0	.0	12.0	.31 .7
5. 0	JB EB	* 290538.0	485491.0	291012.0	485407.0	*	481.	100. AG	344.	3.5	.0	44.0	
6. 0	JB EB	* 291012.0	485407.0	291171.0	485390.0	*	160.	96. AG	344.	3.5	.0	44.0	
7. 0	JB EB	* 291171.0	485390.0	291752.0	485298.0	*	588.	99. AG	344.	3.5	.0	44.0	
8. 0	JB EB	* 291752.0	485298.0	292031.0	485223.0	*	289.	105. AG	344.	3.5	.0	44.0	
9. 0	JB EB	* 291974.0	485239.0	291952.2	485244.7	*	23.	285. AG	85.	100.0	.0	24.0	.27 1.1
10. 0	JB EBDP	* 292031.0	485223.0	292250.0	485169.0	*	226.	104. AG	564.	3.5	.0	44.0	
11. 0	JB EBDP	* 292250.0	485169.0	292506.0	485139.0	*	258.	97. AG	564.	3.5	.0	44.0	
12. 0	JB WB	* 292510.0	485160.0	292223.0	485199.0	*	290.	278. AG	1139.	4.5	.0	56.0	
13. 0	JB WB	* 292223.0	485199.0	292038.0	485249.0	*	192.	285. AG	1139.	4.5	.0	56.0	
14. 0	JB WB	* 292072.0	485240.0	292090.0	485235.1	*	19.	105. AG	48.	100.0	.0	36.0	.39 .9
15. 0	JB WBDP	* 292038.0	485249.0	291794.0	485317.0	*	253.	286. AG	894.	4.5	.0	56.0	
16. 0	JB WBDP	* 291794.0	485317.0	291622.0	485353.0	*	176.	282. AG	894.	4.5	.0	56.0	
17. 0	JB WBRDP	* 291620.0	485361.0	291305.0	485414.0	*	319.	280. AG	280.	4.5	.0	32.0	
18. 0	JB WBRDP	* 291305.0	485414.0	291144.0	485439.0	*	163.	279. AG	280.	4.5	.0	32.0	
19. 0	JB WBRDP	* 291144.0	485439.0	290548.0	485543.0	*	605.	280. AG	280.	4.5	.0	32.0	
20. 0	JB WBTDP	* 291622.0	485352.0	291506.0	485352.0	*	116.	270. AG	570.	4.5	.0	32.0	
21. 0	JB WBTDP	* 291506.0	485352.0	290993.0	485437.0	*	520.	279. AG	570.	4.5	.0	32.0	
22. 0	JB WBTDP	* 290993.0	485437.0	290544.0	485516.0	*	456.	280. AG	570.	4.5	.0	44.0	
23. 0	WBBUS	* 292511.0	485167.0	292197.0	485213.0	*	317.	278. AG	34.	.4	.0	32.0	
24. 0	WBBUS	* 292197.0	485213.0	291775.0	485333.0	*	439.	286. AG	34.	.4	.0	32.0	
25. 0	WBBUS	* 292070.0	485246.0	292071.6	485245.6	*	2.	105. AG	2.	100.0	.0	12.0	.03 .1
26. 0	WBBUS	* 291775.0	485333.0	291300.0	485416.0	*	482.	280. AG	34.	.4	.0	32.0	
27. 0	WBBUS	* 291300.0	485416.0	291134.0	485427.0	*	166.	274. AG	34.	.4	.0	32.0	
28. 0	WBBUS	* 291134.0	485427.0	290544.0	485531.0	*	599.	280. AG	34.	.4	.0	32.0	
29. 0	EBBUS	* 290537.0	485481.0	291026.0	485397.0	*	496.	100. AG	34.	.4	.0	32.0	
30. 0	EBBUS	* 291026.0	485397.0	291143.0	485388.0	*	117.	94. AG	34.	.4	.0	32.0	
31. 0	EBBUS	* 291143.0	485388.0	291536.0	485328.0	*	398.	99. AG	34.	.4	.0	32.0	
32. 0	EBBUS	* 291536.0	485328.0	291730.0	485297.0	*	196.	99. AG	34.	.4	.0	32.0	
33. 0	EBBUS	* 291730.0	485297.0	292208.0	485169.0	*	495.	105. AG	34.	.4	.0	32.0	
34. 0	EBBUS	* 291963.0	485234.0	291958.7	485235.1	*	4.	285. AG	6.	100.0	.0	12.0	.05 .2
35. 0	EBBUS	* 292208.0	485169.0	292511.0	485133.0	*	305.	97. AG	34.	.4	.0	32.0	

JOB: S17 N Chevy Chase School LB30AM  
DATE: 11/05/2007 TIME: 11:29:48.06

RUN: S17 N Chevy Chase School LB30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	Man NBR	* 44	23	2.0	240	1583	29.10	1	3
4. 0	Man NBL	* 44	34	2.0	75	1770	29.10	1	3
9. 0	JB EB	* 44	24	2.0	344	1723	29.10	1	3
14. 0	JB WB	* 44	9	2.0	1139	1375	29.10	1	3
25. 0	WBBUS	* 44	9	2.0	34	1430	4.40	1	3
34. 0	EBBUS	* 44	24	2.0	34	1723	4.40	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291240.0	485354.0	5.0	*
7. S Sch	*	291360.0	485335.0	5.0	*
8. S Sch	*	291455.0	485320.0	5.0	*
9. S Sch	*	291524.0	485307.0	5.0	*
10. S Sch	*	291625.0	485295.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*

22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

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JOB: S17 N Chevy Chase School LB30AM

RUN: S17 N Chevy Chase School LB30AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.1	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.2	.2	.1	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.2	.2	.1	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.2	.2	.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.2	.1	.1	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.2	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.2	.1	.0	.0	.1	.0	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	.1	.0	.0	.1	.0	.1	.0	.0
100.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.1	.1	.0
105.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.1	.1	.0
110.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.0
115.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.2	.1
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.1	.2
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.1	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.1	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.1	.2
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.1
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.0
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0

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JOB: S17 N Chevy Chase School LB30AM

RUN: S17 N Chevy Chase School LB30AM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.1
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.1
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.1
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.0	.1
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.0	.1
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.0	.1
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.1	.1
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.1	.1
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.1	.2
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.2	.1	.1
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
265.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
270.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.0	.1
275.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.2	.0	.1
280.	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.1	.0	.1	.1	.0	.0



285.	*	.0	.0	.0	.0	.0	.0	.1	.2	.1	.1	.2	.0	.0	.0	.0	.1	.1	.0	.0	
290.	*	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	
295.	*	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	
300.	*	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	
305.	*	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	
310.	*	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	
315.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	
320.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	
325.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	
330.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	
335.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	
340.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	
345.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	
350.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	
355.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	
360.	*	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	
MAX		.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.2	.1	.1	.1	.2	.0	.2	.2	.1	.2
DEGR.	*	0	0	0	0	0	65	65	285	75	70	80	0	0	0	105	0	120	110	115	110

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JOB: S17 N Chevy Chase School LB30AM

RUN: S17 N Chevy Chase School LB30AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
100.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
105.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
110.	*	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1
115.	*	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1	.1
120.	*	.1	.2	.1	.1	.2	.1	.1	.0	.0	.0	.1	.1	.1
125.	*	.1	.2	.1	.2	.3	.1	.1	.0	.0	.0	.1	.1	.1
130.	*	.1	.2	.1	.2	.3	.1	.1	.0	.0	.0	.1	.1	.1
135.	*	.1	.2	.2	.1	.2	.2	.1	.0	.1	.0	.1	.1	.1
140.	*	.1	.2	.2	.1	.2	.2	.1	.0	.1	.0	.1	.1	.1
145.	*	.1	.2	.2	.1	.2	.1	.1	.1	.0	.1	.1	.1	.1
150.	*	.1	.2	.2	.1	.1	.1	.1	.1	.0	.1	.1	.1	.1
155.	*	.1	.2	.1	.0	.1	.1	.1	.1	.0	.1	.0	.1	.1
160.	*	.1	.1	.1	.0	.1	.1	.1	.1	.0	.1	.0	.1	.1
165.	*	.1	.1	.1	.0	.1	.1	.1	.1	.0	.1	.0	.1	.1
170.	*	.1	.1	.1	.0	.1	.1	.1	.1	.0	.1	.1	.1	.1
175.	*	.1	.1	.1	.0	.1	.1	.1	.1	.0	.0	.1	.1	.1
180.	*	.1	.1	.1	.0	.1	.1	.1	.1	.0	.0	.1	.1	.1
185.	*	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1
190.	*	.1	.1	.1	.1	.1	.1	.0	.1	.1	.0	.1	.1	.1
195.	*	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1
200.	*	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1
205.	*	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1

1

JOB: S17 N Chevy Chase School LB30AM

RUN: S17 N Chevy Chase School LB30AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33
210.	*	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1	.1
215.	*	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1
220.	*	.1	.1	.1	.1	.1	.1	.1	.0	.1	.0	.1	.1	.1
225.	*	.1	.1	.1	.1	.1	.1	.1	.0	.1	.0	.1	.1	.1
230.	*	.1	.1	.2	.2	.2	.1	.1	.0	.1	.0	.1	.0	.2

235.	*	.1	.1	.2	.2	.2	.1	.1	.0	.1	.0	.1	.1	.2
240.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.1	.2
245.	*	.2	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1	.2
250.	*	.2	.2	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1	.2
255.	*	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.1	.2
260.	*	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.1	.2
265.	*	.1	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0	.1	.1
270.	*	.0	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.1
275.	*	.0	.0	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.1
280.	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
285.	*	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*														
MAX	*	.2	.2	.2	.2	.3	.2	.1	.1	.1	.1	.1	.1	.2
DEGR.	*	245	120	135	125	125	135	115	145	135	155	120	115	230

THE HIGHEST CONCENTRATION IS .30 PPM AT 125 DEGREES FROM REC25.  
 THE 2ND HIGHEST CONCENTRATION IS .20 PPM AT 65 DEGREES FROM REC6 .  
 THE 3RD HIGHEST CONCENTRATION IS .20 PPM AT 65 DEGREES FROM REC7 .

S17 N Chevy Chase School LB30AM	60.0321.0.0000.000330.30480000	1	1
S Res	290592. 485371. 5.0		
S Res	290689. 485381. 5.0		
S Res	290781. 485363. 5.0		
S Res	290857. 485351. 5.0		
S Res	290979. 485317. 5.0		
S Sch	291240. 485354. 5.0		
S Sch	291360. 485335. 5.0		
S Sch	291455. 485320. 5.0		
S Sch	291524. 485307. 5.0		
S Sch	291625. 485295. 5.0		
S Sch	291700. 485303. 5.0		
S Sch	291809. 485252. 5.0		
S Res	292409. 485100. 5.0		
S Res	292433. 485012. 5.0		
N Res	290648. 485540. 5.0		
N Res	290723. 485559. 5.0		
N Res	290859. 485504. 5.0		
N Res	290931. 485492. 5.0		
N Res	291027. 485491. 5.0		
N Res	291154. 485458. 5.0		
N Res	291294. 485437. 5.0		
N Res	291352. 485419. 5.0		
N Res	291425. 485408. 5.0		
N Res	291489. 485398. 5.0		
N Res	291571. 485384. 5.0		
N Res	291742. 485381. 5.0		
N Res	291802. 485373. 5.0		
N Res	291888. 485392. 5.0		
N Res	291992. 485381. 5.0		
N Res	292067. 485394. 5.0		
N Res	292177. 485324. 5.0		
N Res	292299. 485272. 5.0		
N Res	292454. 485208. 5.0		
S17 N Chevy Chase School LB30AM	35 1 0		
1			
0	Man NBR AG291860.484962.292045.485230.	290 2.7	0 32 25.
2			
0	Man NBR AG292025.485201.291988.485145.	0. 12	1
67	49 2.0 290 29.1 1583 1 3		
1			
0	Man NBL AG291852.484968.292035.485234.	50 2.7	0 32 25.
2			
0	Man NBL AG292015.485204.291961.485126.	0. 12	1
67	57 2.0 50 29.1 1770 1 3		
1			
0	JB EB AG290538.485491.291012.485407.	944 3.8	0 44 12.
1			
0	JB EB AG291012.485407.291171.485390.	944 3.8	0 44 12.
1			
0	JB EB AG291171.485390.291752.485298.	944 3.8	0 44 12.
1			
0	JB EB AG291752.485298.292031.485223.	944 3.8	0 44 12.
2			
0	JB EB AG291974.485239.291837.485275.	0. 24	2
67	20 2.0 944 29.1 1723 1 3		
1			
0	JB EBDP AG292031.485223.292250.485169.	1214 3.8	0 44 12.
1			
0	JB EBDP AG292250.485169.292506.485139.	1214 3.8	0 44 12.
1			
0	JB WB AG292510.485160.292223.485199.	699 4.0	0 56 11.
1			
0	JB WB AG292223.485199.292038.485249.	699 4.0	0 56 11.
2			
0	JB WB AG292072.485240.292201.485205.	0. 36	3
67	9 2.0 699 29.1 1056 1 3		
1			
0	JB WBDP AG292038.485249.291794.485317.	649 4.0	0 56 11.
1			
0	JB WBDP AG291794.485317.291622.485353.	649 4.0	0 56 11.
1			
0	JB WBRDP AG291620.485361.291305.485414.	365 4.0	0 32 11.
1			
0	JB WBRDP AG291305.485414.291144.485439.	365 4.0	0 32 11.
1			
0	JB WBRDP AG291144.485439.290548.485543.	365 4.0	0 32 11.
1			
0	JB WBTDP AG291622.485352.291506.485352.	285 4.0	0 32 11.
1			
0	JB WBTDP AG291506.485352.290993.485437.	285 4.0	0 32 11.
1			
0	JB WBTDP AG290993.485437.290544.485516.	285 4.0	0 44 11.
1			
0	WBBUS AG292511.485167.292197.485213.	34 0.4	0 32 25
1			
0	WBBUS AG292197.485213.291775.485333.	34 0.4	0 32 25
2			
0	WBBUS AG292070.485246.292170.485221.	0. 12	1
67	9 2.0 34 4.4 1056 1 3		
1			
0	WBBUS AG291775.485333.291300.485416.	34 0.4	0 32 25
1			
0	WBBUS AG291300.485416.291134.485427.	34 0.4	0 32 25
1			

0		WBBUS	AG291134.485427.290544.485531.	34	0.4	0	32	25
0	1	EBBUS	AG290537.485481.291026.485397.	34	0.4	0	32	25
0	1	EBBUS	AG291026.485397.291143.485388.	34	0.4	0	32	25
0	1	EBBUS	AG291143.485388.291536.485328.	34	0.4	0	32	25
0	1	EBBUS	AG291536.485328.291730.485297.	34	0.4	0	32	25
0	1	EBBUS	AG291730.485297.292208.485169.	34	0.4	0	32	25
0	2	EBBUS	AG291963.485234.291862.485261.	0.	12	1		
0	67	20	2.0 34 4.4 1723 1 3					
0	1	EBBUS	AG292208.485169.292511.485133.	34	0.4	0	32	25
1.0	04	1000	0Y 5 0 72					

JOB: S17 N Chevy Chase School LB30AM  
 DATE: 11/05/2007 TIME: 11:38:13.92

RUN: S17 N Chevy Chase School LB30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)	
		X1	Y1	X2	Y2									
1. 0	Man NBR	* 291860.0	484962.0	292045.0	485230.0	*	326.	35. AG	290.	2.7	.0	32.0		
2. 0	Man NBR	* 292025.0	485201.0	291965.4	485110.8	*	108.	213. AG	57.	100.0	.0	12.0	.88	5.5
3. 0	Man NBL	* 291852.0	484968.0	292035.0	485234.0	*	323.	35. AG	50.	2.7	.0	32.0		
4. 0	Man NBL	* 292015.0	485204.0	292006.1	485191.2	*	16.	215. AG	66.	100.0	.0	12.0	.32	.8
5. 0	JB EB	* 290538.0	485491.0	291012.0	485407.0	*	481.	100. AG	944.	3.8	.0	44.0		
6. 0	JB EB	* 291012.0	485407.0	291171.0	485390.0	*	160.	96. AG	944.	3.8	.0	44.0		
7. 0	JB EB	* 291171.0	485390.0	291752.0	485298.0	*	588.	99. AG	944.	3.8	.0	44.0		
8. 0	JB EB	* 291752.0	485298.0	292031.0	485223.0	*	289.	105. AG	944.	3.8	.0	44.0		
9. 0	JB EB	* 291974.0	485239.0	291924.1	485252.1	*	52.	285. AG	47.	100.0	.0	24.0	.43	2.6
10. 0	JB EBDP	* 292031.0	485223.0	292250.0	485169.0	*	226.	104. AG	1214.	3.8	.0	44.0		
11. 0	JB EBDP	* 292250.0	485169.0	292506.0	485139.0	*	258.	97. AG	1214.	3.8	.0	44.0		
12. 0	JB WB	* 292510.0	485160.0	292223.0	485199.0	*	290.	278. AG	699.	4.0	.0	56.0		
13. 0	JB WB	* 292223.0	485199.0	292038.0	485249.0	*	192.	285. AG	699.	4.0	.0	56.0		
14. 0	JB WB	* 292072.0	485240.0	292083.1	485237.0	*	11.	105. AG	31.	100.0	.0	36.0	.27	.6
15. 0	JB WBDP	* 292038.0	485249.0	291794.0	485317.0	*	253.	286. AG	649.	4.0	.0	56.0		
16. 0	JB WBDP	* 291794.0	485317.0	291622.0	485353.0	*	176.	282. AG	649.	4.0	.0	56.0		
17. 0	JB WBRDP	* 291620.0	485361.0	291305.0	485414.0	*	319.	280. AG	365.	4.0	.0	32.0		
18. 0	JB WBRDP	* 291305.0	485414.0	291144.0	485439.0	*	163.	279. AG	365.	4.0	.0	32.0		
19. 0	JB WBRDP	* 291144.0	485439.0	290548.0	485543.0	*	605.	280. AG	365.	4.0	.0	32.0		
20. 0	JB WBTDP	* 291622.0	485352.0	291506.0	485352.0	*	116.	270. AG	285.	4.0	.0	32.0		
21. 0	JB WBTDP	* 291506.0	485352.0	290993.0	485437.0	*	520.	279. AG	285.	4.0	.0	32.0		
22. 0	JB WBTDP	* 290993.0	485437.0	290544.0	485516.0	*	456.	280. AG	285.	4.0	.0	44.0		
23. 0	WBBUS	* 292511.0	485167.0	292197.0	485213.0	*	317.	278. AG	34.	.4	.0	32.0		
24. 0	WBBUS	* 292197.0	485213.0	291775.0	485333.0	*	439.	286. AG	34.	.4	.0	32.0		
25. 0	WBBUS	* 292070.0	485246.0	292071.6	485245.6	*	2.	105. AG	2.	100.0	.0	12.0	.04	.1
26. 0	WBBUS	* 291775.0	485333.0	291300.0	485416.0	*	482.	280. AG	34.	.4	.0	32.0		
27. 0	WBBUS	* 291300.0	485416.0	291134.0	485427.0	*	166.	274. AG	34.	.4	.0	32.0		
28. 0	WBBUS	* 291134.0	485427.0	290544.0	485531.0	*	599.	280. AG	34.	.4	.0	32.0		
29. 0	EBBUS	* 290537.0	485481.0	291026.0	485397.0	*	496.	100. AG	34.	.4	.0	32.0		
30. 0	EBBUS	* 291026.0	485397.0	291143.0	485388.0	*	117.	94. AG	34.	.4	.0	32.0		
31. 0	EBBUS	* 291143.0	485388.0	291536.0	485328.0	*	398.	99. AG	34.	.4	.0	32.0		
32. 0	EBBUS	* 291536.0	485328.0	291730.0	485297.0	*	196.	99. AG	34.	.4	.0	32.0		
33. 0	EBBUS	* 291730.0	485297.0	292208.0	485169.0	*	495.	105. AG	34.	.4	.0	32.0		
34. 0	EBBUS	* 291963.0	485234.0	291959.4	485235.0	*	4.	285. AG	4.	100.0	.0	12.0	.03	.2
35. 0	EBBUS	* 292208.0	485169.0	292511.0	485133.0	*	305.	97. AG	34.	.4	.0	32.0		

JOB: S17 N Chevy Chase School LB30AM  
 DATE: 11/05/2007 TIME: 11:38:13.92

RUN: S17 N Chevy Chase School LB30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	Man NBR	* 67	49	2.0	290	1583	29.10	1	3
4. 0	Man NBL	* 67	57	2.0	50	1770	29.10	1	3
9. 0	JB EB	* 67	20	2.0	944	1723	29.10	1	3
14. 0	JB WB	* 67	9	2.0	699	1056	29.10	1	3
25. 0	WBBUS	* 67	9	2.0	34	1056	4.40	1	3
34. 0	EBBUS	* 67	20	2.0	34	1723	4.40	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. S Res	*	290592.0	485371.0	5.0	*
2. S Res	*	290689.0	485381.0	5.0	*
3. S Res	*	290781.0	485363.0	5.0	*
4. S Res	*	290857.0	485351.0	5.0	*
5. S Res	*	290979.0	485317.0	5.0	*
6. S Sch	*	291240.0	485354.0	5.0	*
7. S Sch	*	291360.0	485335.0	5.0	*
8. S Sch	*	291455.0	485320.0	5.0	*
9. S Sch	*	291524.0	485307.0	5.0	*
10. S Sch	*	291625.0	485295.0	5.0	*
11. S Sch	*	291700.0	485303.0	5.0	*
12. S Sch	*	291809.0	485252.0	5.0	*
13. S Res	*	292409.0	485100.0	5.0	*
14. S Res	*	292433.0	485012.0	5.0	*
15. N Res	*	290648.0	485540.0	5.0	*
16. N Res	*	290723.0	485559.0	5.0	*
17. N Res	*	290859.0	485504.0	5.0	*
18. N Res	*	290931.0	485492.0	5.0	*
19. N Res	*	291027.0	485491.0	5.0	*
20. N Res	*	291154.0	485458.0	5.0	*
21. N Res	*	291294.0	485437.0	5.0	*

22. N Res	*	291352.0	485419.0	5.0	*
23. N Res	*	291425.0	485408.0	5.0	*
24. N Res	*	291489.0	485398.0	5.0	*
25. N Res	*	291571.0	485384.0	5.0	*
26. N Res	*	291742.0	485381.0	5.0	*
27. N Res	*	291802.0	485373.0	5.0	*
28. N Res	*	291888.0	485392.0	5.0	*
29. N Res	*	291992.0	485381.0	5.0	*
30. N Res	*	292067.0	485394.0	5.0	*
31. N Res	*	292177.0	485324.0	5.0	*
32. N Res	*	292299.0	485272.0	5.0	*
33. N Res	*	292454.0	485208.0	5.0	*

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JOB: S17 N Chevy Chase School LB30AM

RUN: S17 N Chevy Chase School LB30AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
5.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
10.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
15.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
20.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
25.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
30.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
35.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0
40.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0
45.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0
50.	*	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0
55.	*	.1	.1	.1	.1	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0
60.	*	.1	.1	.1	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0
65.	*	.1	.1	.1	.0	.0	.2	.2	.2	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0
70.	*	.1	.1	.1	.0	.0	.2	.2	.2	.1	.3	.2	.2	.2	.1	.0	.0	.0	.0	.0
75.	*	.0	.1	.0	.0	.0	.2	.2	.2	.2	.3	.2	.2	.2	.1	.0	.0	.0	.0	.0
80.	*	.0	.1	.0	.0	.0	.2	.2	.2	.2	.2	.3	.2	.2	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1	.3	.2	.0	.0	.0	.0	.0	.0
90.	*	.0	.0	.0	.0	.0	.2	.2	.2	.2	.1	.1	.3	.1	.0	.0	.1	.0	.0	.0
95.	*	.0	.0	.0	.0	.0	.2	.2	.2	.1	.1	.2	.3	.1	.0	.0	.1	.0	.1	.0
100.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.1	.0	.0	.1	.0	.1	.1	.0
105.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.1	.0	.0	.1	.0	.1	.1	.0
110.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.1	.0	.0	.2	.0	.1	.1	.0
115.	*	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.2	.0	.1	.1	.0
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	.0	.1	.1	.0
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.1	.1	.0
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.1	.0
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.1	.0
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.1	.2
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.1
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.1
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.1
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.1
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.1
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.0
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.0
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.0
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.0
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.0
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.0
200.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.0
205.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.1	.2	.2	.0

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JOB: S17 N Chevy Chase School LB30AM

RUN: S17 N Chevy Chase School LB30AM

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## WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.0	.1
215.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1	.1
220.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1	.1
225.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1	.1
230.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1	.1
235.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.2	.2	.1	.1
240.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
245.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.2
250.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.1	.1
255.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.2	.2	.2	.1
260.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.2	.2	.2	.1
265.	*	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.1	.0	.2	.2	.2	.2
270.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.0	.0	.0	.1	.0	.1	.1	.0	.1
275.	*	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.0	.0	.1	.0	.1	.1	.0	.1
280.	*	.0	.0	.0	.0	.0	.2	.1	.1	.1	.2	.3	.1	.0	.1	.0	.1	.1	.0	.1

285.	*	.0	.0	.0	.0	.0	.2	.1	.2	.1	.2	.3	.1	.0	.0	.0	.0	.1	.1	.0	.0
290.	*	.0	.0	.0	.0	.0	.2	.1	.2	.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.1	.1	.1	.2	.2	.2	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.1	.1	.1	.1	.2	.2	.2	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.1	.1	.1	.1	.2	.2	.1	.2	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
335.	*	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
340.	*	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
345.	*	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
350.	*	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
355.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
360.	*	.0	.1	.1	.1	.0	.1	.1	.1	.1	.1	.2	.1	.2	.1	.0	.0	.0	.0	.0	.0
-----																					
MAX	*	.1	.1	.1	.1	.1	.2	.2	.2	.2	.3	.3	.3	.2	.1	.2	.1	.2	.2	.2	.2
DEGR.	*	55	0	0	0	50	65	65	65	75	70	80	310	0	0	110	130	130	145	255	105

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JOB: S17 N Chevy Chase School LB30AM

RUN: S17 N Chevy Chase School LB30AM

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# MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33
0.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90.	*	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
95.	*	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
100.	*	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
105.	*	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
110.	*	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
115.	*	.2	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
120.	*	.2	.2	.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0
125.	*	.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1
130.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.1	.1
135.	*	.1	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.1	.1
140.	*	.1	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.2	.1
145.	*	.1	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.2	.2
150.	*	.1	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.1	.2
155.	*	.1	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2
160.	*	.1	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.1	.2
165.	*	.1	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.1	.2
170.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.1	.2
175.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.1	.2
180.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.1	.1	.2
185.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.1	.1	.2
190.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.1	.1	.2
195.	*	.1	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.0	.2
200.	*	.1	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.0	.2
205.	*	.1	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.0	.2

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JOB: S17 N Chevy Chase School LB30AM

RUN: S17 N Chevy Chase School LB30AM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33
210.	*	.1	.2	.2	.2	.2	.2	.1	.0	.0	.0	.1	.0	.2
215.	*	.1	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.2
220.	*	.1	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0	.2
225.	*	.2	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	.1	.2
230.	*	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2

235.	*	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2
240.	*	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2
245.	*	.1	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2
250.	*	.1	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.1	.2
255.	*	.1	.2	.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.2
260.	*	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.2
265.	*	.1	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.1
270.	*	.1	.1	.1	.2	.2	.0	.1	.0	.0	.0	.0	.0	.1
275.	*	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1
280.	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*														
MAX	*	.2	.2	.2	.2	.3	.2	.2	.0	.0	.0	.1	.2	.2
DEGR.	*	110	105	110	110	115	125	135	0	0	0	180	140	145

THE HIGHEST CONCENTRATION IS .30 PPM AT 70 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS .30 PPM AT 80 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS .30 PPM AT 310 DEGREES FROM REC12.



Site 18

Rosemary Hills Elementary  
School

2015

S18 Rosemary EXAM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300714.	485562.	5.0		
South	300802.	485526.	5.0		
South	300879.	485475.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary EXAM			7 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	1992 5.2 0. 56	36	
1					
SB	16th St	AG301244.484872.301100.484989.	1992 5.2 0. 56	36	
1					
SB	16th St	AG301100.484989.301016.485149.	1992 5.2 0. 56	36	
1					
SB	16th St	AG301016.485149.300973.485497.	1992 5.2 0. 56	36	
1					
NB	16th St	AG300910.486577.301054.485172.	884 5.4 0. 56	40	
1					
NB	16th St	AG301054.485172.301135.485018.	884 5.4 0. 56	40	
1					
NB	16th St	AG301135.485018.301290.484904.	884 5.4 0. 56	40	
1.0 04 1000 0Y 5 0 72					

JOB: S18 Rosemary EXAM  
DATE: 10/29/2007 TIME: 10:16:39.35

RUN: S18 Rosemary EXAM

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB 16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	1992.	5.2	.0	56.0	
2. SB 16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	1992.	5.2	.0	56.0	
3. SB 16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	1992.	5.2	.0	56.0	
4. SB 16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	1992.	5.2	.0	56.0	
5. NB 16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	884.	5.4	.0	56.0	
6. NB 16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	884.	5.4	.0	56.0	
7. NB 16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	884.	5.4	.0	56.0	

JOB: S18 Rosemary EXAM  
DATE: 10/29/2007 TIME: 10:16:39.35

RUN: S18 Rosemary EXAM

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300714.0	485562.0	5.0	*
15. South	*	300802.0	485526.0	5.0	*
16. South	*	300879.0	485475.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary EXAM

RUN: S18 Rosemary EXAM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)



WIND ANGLE RANGE: 0.-360.

[illegible]

1

JOB: S18 Rosemary EXAM

RUN: S18 Rosemary EXAM

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WIND ANGLE RANGE: 0.-360.

[illegible]

DEGR. \*    0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       50       30       10

THE HIGHEST CONCENTRATION IS       .30 PPM AT       5 DEGREES FROM REC16.  
THE 2ND HIGHEST CONCENTRATION IS       .20 PPM AT    100 DEGREES FROM REC15.  
THE 3RD HIGHEST CONCENTRATION IS       .10 PPM AT       20 DEGREES FROM REC13.

S18 Rosemary EXPM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300714.	485562.	5.0		
South	300802.	485526.	5.0		
South	300879.	485475.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary EXPM			7 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	964 5.4 0. 56	40	
1					
SB	16th St	AG301244.484872.301100.484989.	964 5.4 0. 56	40	
1					
SB	16th St	AG301100.484989.301016.485149.	964 5.4 0. 56	40	
1					
SB	16th St	AG301016.485149.300973.485497.	964 5.4 0. 56	40	
1					
NB	16th St	AG300910.486577.301054.485172.	1985 5.2 0. 56	35	
1					
NB	16th St	AG301054.485172.301135.485018.	1985 5.2 0. 56	35	
1					
NB	16th St	AG301135.485018.301290.484904.	1985 5.2 0. 56	35	
1.0 04 1000 0Y 5 0 72					

JOB: S18 Rosemary EXPM

RUN: S18 Rosemary EXPM

DATE: 10/29/2007 TIME: 10:22:01.65

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB 16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	964.	5.4	.0	56.0	
2. SB 16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	964.	5.4	.0	56.0	
3. SB 16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	964.	5.4	.0	56.0	
4. SB 16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	964.	5.4	.0	56.0	
5. NB 16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	1985.	5.2	.0	56.0	
6. NB 16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	1985.	5.2	.0	56.0	
7. NB 16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	1985.	5.2	.0	56.0	

JOB: S18 Rosemary EXPM

RUN: S18 Rosemary EXPM

DATE: 10/29/2007 TIME: 10:22:01.65

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300714.0	485562.0	5.0	*
15. South	*	300802.0	485526.0	5.0	*
16. South	*	300879.0	485475.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary EXPM

RUN: S18 Rosemary EXPM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)





WIND ANGLE RANGE: 0.-360.

WIND CONCENTRATION  
ANGLE \* (PPM)

1

PAGE 6

JOB: S18 Rosemary EXPM

RUN: S18 Rosemary EXPM

WIND ANGLE RANGE: 0.-360.

WIND CONCENTRATION  
ANGLE \* (PPM)

[illegible]

DEGR. \* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 40 20

THE HIGHEST CONCENTRATION IS .20 PPM AT 10 DEGREES FROM REC15.  
THE 2ND HIGHEST CONCENTRATION IS .20 PPM AT 0 DEGREES FROM REC16.  
THE 3RD HIGHEST CONCENTRATION IS .10 PPM AT 25 DEGREES FROM REC13.

S18 Rosemary NB15AM		60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0	
South	299390.	486302.	5.0	
South	299493.	486246.	5.0	
South	299611.	486170.	5.0	
South	299666.	486137.	5.0	
South	299695.	486066.	5.0	
South	299871.	485990.	5.0	
South	299973.	485993.	5.0	
South	300032.	485948.	5.0	
South	300101.	485905.	5.0	
South	300179.	485865.	5.0	
South	300297.	485753.	5.0	
South	300622.	485592.	5.0	
South	300714.	485562.	5.0	
South	300802.	485526.	5.0	
South	300879.	485475.	5.0	
North	299387.	486565.	5.0	
North	299708.	486383.	5.0	
North	299795.	486389.	5.0	
North	299867.	486289.	5.0	
North	299880.	486274.	5.0	
North	300006.	486199.	5.0	
North	300052.	486171.	5.0	
North	300085.	486157.	5.0	
North	299475.	486483.	5.0	
North	299538.	486427.	5.0	
North	299566.	486481.	5.0	
North	299577.	486403.	5.0	
North	299610.	486381.	5.0	
North	299667.	486343.	5.0	
North	299747.	486306.	5.0	
North	299966.	486170.	5.0	
North	300012.	486134.	5.0	
North	300074.	486095.	5.0	
North	300251.	486064.	5.0	
North	300345.	485997.	5.0	
North	300457.	485926.	5.0	
North	300558.	485871.	5.0	
North	300700.	485781.	5.0	
S18 Rosemary NB15AM		7 1 0		
1				
SB	16th St	AG300974.485500.300870.486629.	2121 3.1 0.	56 33
1				
SB	16th St	AG301244.484872.301100.484989.	2121 3.1 0.	56 33
1				
SB	16th St	AG301100.484989.301016.485149.	2121 3.1 0.	56 33
1				
SB	16th St	AG301016.485149.300973.485497.	2121 3.1 0.	56 33
1				
NB	16th St	AG300910.486577.301054.485172.	942 3.2 0.	56 38
1				
NB	16th St	AG301054.485172.301135.485018.	942 3.2 0.	56 38
1				
NB	16th St	AG301135.485018.301290.484904.	942 3.2 0.	56 38
1.0 04 1000 0Y 5 0 72				

JOB: S18 Rosemary NB15AM RUN: S18 Rosemary NB15AM  
 DATE: 10/29/2007 TIME: 10:24:20.66

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB 16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	2121.	3.1	.0	56.0	
2. SB 16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	2121.	3.1	.0	56.0	
3. SB 16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	2121.	3.1	.0	56.0	
4. SB 16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	2121.	3.1	.0	56.0	
5. NB 16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	942.	3.2	.0	56.0	
6. NB 16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	942.	3.2	.0	56.0	
7. NB 16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	942.	3.2	.0	56.0	

JOB: S18 Rosemary NB15AM RUN: S18 Rosemary NB15AM  
 DATE: 10/29/2007 TIME: 10:24:20.66

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300714.0	485562.0	5.0	*
15. South	*	300802.0	485526.0	5.0	*
16. South	*	300879.0	485475.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary NB15AM RUN: S18 Rosemary NB15AM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)





DEGR. \* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20

THE HIGHEST CONCENTRATION IS .10 PPM AT 20 DEGREES FROM REC14.  
THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 5 DEGREES FROM REC15.  
THE 3RD HIGHEST CONCENTRATION IS .10 PPM AT 0 DEGREES FROM REC16.



S18 Rosemary NB15PM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300714.	485562.	5.0		
South	300802.	485526.	5.0		
South	300879.	485475.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary NB15PM			7 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	1026 3.1 0. 56	33	
1					
SB	16th St	AG301244.484872.301100.484989.	1026 3.1 0. 56	33	
1					
SB	16th St	AG301100.484989.301016.485149.	1026 3.1 0. 56	33	
1					
SB	16th St	AG301016.485149.300973.485497.	1026 3.1 0. 56	33	
1					
NB	16th St	AG300910.486577.301054.485172.	2116 3.2 0. 56	38	
1					
NB	16th St	AG301054.485172.301135.485018.	2116 3.2 0. 56	38	
1					
NB	16th St	AG301135.485018.301290.484904.	2116 3.2 0. 56	38	
1.0 04 1000 0Y 5 0 72					

JOB: S18 Rosemary NB15PM

RUN: S18 Rosemary NB15PM

DATE: 10/29/2007 TIME: 10:26:12.55

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB 16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	1026.	3.1	.0	56.0	
2. SB 16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	1026.	3.1	.0	56.0	
3. SB 16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	1026.	3.1	.0	56.0	
4. SB 16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	1026.	3.1	.0	56.0	
5. NB 16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	2116.	3.2	.0	56.0	
6. NB 16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	2116.	3.2	.0	56.0	
7. NB 16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	2116.	3.2	.0	56.0	

JOB: S18 Rosemary NB15PM

RUN: S18 Rosemary NB15PM

DATE: 10/29/2007 TIME: 10:26:12.55

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300714.0	485562.0	5.0	*
15. South	*	300802.0	485526.0	5.0	*
16. South	*	300879.0	485475.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary NB15PM

RUN: S18 Rosemary NB15PM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)



WIND ANGLE RANGE: 0.-360.

WIND CONCENTRATION  
ANGLE \* (PPM)

1

RUN: S18 Rosemary NB15PM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND CONCENTRATION  
ANGLE \* (PPM)

[illegible]

DEGR. \* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 35

THE HIGHEST CONCENTRATION IS .20 PPM AT 5 DEGREES FROM REC16.  
THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 25 DEGREES FROM REC14.  
THE 3RD HIGHEST CONCENTRATION IS .10 PPM AT 10 DEGREES FROM REC15.

S18 Rosemary LB15AM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300705.	485550.	5.0		
South	300786.	485495.	5.0		
South	300865.	485446.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary LB15AM			17 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	2015 3.1 0. 56	33	
2					
SB	16th St	AG300968.485568.300950.485763.	0. 36 3		
120	17	2.0 2015 33.4 1695 1 3			
1					
SB	16th St	AG301244.484872.301100.484989.	2015 3.1 0. 56	33	
1					
SB	16th St	AG301100.484989.301016.485149.	2015 3.1 0. 56	33	
1					
SB	16th St	AG301016.485149.300973.485497.	2015 3.1 0. 56	33	
1					
NB	16th St	AG300910.486577.301054.485172.	895 3.2 0. 56	38	
2					
SB	16th St	AG301035.485355.301050.485204.	0. 36 3		
120	17	2.0 895 33.4 1695 1 3			
1					
NB	16th St	AG301054.485172.301135.485018.	895 3.2 0. 56	38	
1					
NB	16th St	AG301135.485018.301290.484904.	895 3.2 0. 56	38	
1					
WB	Tr Bus	AG299287.486453.299517.486310.	34 1.7 0. 32	25	
1					
WB	Tr Bus	AG299517.486310.299593.486272.	34 1.7 0. 32	25	
1					
WB	Tr Bus	AG299593.486272.300705.485595.	34 1.7 0. 32	25	
1					
WB	Tr Bus	AG300705.485595.300992.485415.	34 1.7 0. 32	25	
1					
EB	Tr Bus	AG300988.485403.300678.485597.	34 1.7 0. 32	25	
1					
EB	Tr Bus	AG300678.485597.299575.486268.	34 1.7 0. 32	25	
1					
EB	Tr Bus	AG299575.486268.299479.486319.	34 1.7 0. 32	25	
1					
EB	Tr Bus	AG299479.486319.299280.486442.	34 1.7 0. 32	25	
1.0 04 1000 0Y 5 0 72					

JOB: S18 Rosemary LB15AM

RUN: S18 Rosemary LB15AM

DATE: 10/29/2007 TIME: 10:41:54.74

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. SB	16th St	* 300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	2015.	3.1	.0	56.0	
2. SB	16th St	* 300968.0	485568.0	300962.3	485630.1	*	62.	355. AG	38.	100.0	.0	36.0	.48 3.2
3. SB	16th St	* 301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	2015.	3.1	.0	56.0	
4. SB	16th St	* 301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	2015.	3.1	.0	56.0	
5. SB	16th St	* 301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	2015.	3.1	.0	56.0	
6. NB	16th St	* 300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	895.	3.2	.0	56.0	
7. SB	16th St	* 301035.0	485355.0	301037.7	485327.4	*	28.	174. AG	38.	100.0	.0	36.0	.21 1.4
8. NB	16th St	* 301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	895.	3.2	.0	56.0	
9. NB	16th St	* 301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	895.	3.2	.0	56.0	
10. WB	Tr Bus	* 299287.0	486453.0	299517.0	486310.0	*	271.	122. AG	34.	1.7	.0	32.0	
11. WB	Tr Bus	* 299517.0	486310.0	299593.0	486272.0	*	85.	117. AG	34.	1.7	.0	32.0	
12. WB	Tr Bus	* 299593.0	486272.0	300705.0	485595.0	*	1302.	121. AG	34.	1.7	.0	32.0	
13. WB	Tr Bus	* 300705.0	485595.0	300992.0	485415.0	*	339.	122. AG	34.	1.7	.0	32.0	
14. EB	Tr Bus	* 300988.0	485403.0	300678.0	485597.0	*	366.	302. AG	34.	1.7	.0	32.0	
15. EB	Tr Bus	* 300678.0	485597.0	299575.0	486268.0	*	1291.	301. AG	34.	1.7	.0	32.0	
16. EB	Tr Bus	* 299575.0	486268.0	299479.0	486319.0	*	109.	298. AG	34.	1.7	.0	32.0	
17. EB	Tr Bus	* 299479.0	486319.0	299280.0	486442.0	*	234.	302. AG	34.	1.7	.0	32.0	

JOB: S18 Rosemary LB15AM

RUN: S18 Rosemary LB15AM

DATE: 10/29/2007 TIME: 10:41:54.74

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. SB	16th St	* 120	17	2.0	2015	1695	33.40	1	3
7. SB	16th St	* 120	17	2.0	895	1695	33.40	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300705.0	485550.0	5.0	*
15. South	*	300786.0	485495.0	5.0	*
16. South	*	300865.0	485446.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary LB15AM

RUN: S18 Rosemary LB15AM





-----\*-----  
MAX \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .0 .0 .0 .0  
DEGR. \* 0 0 0 0 0 0 0 0 0 0 0 0 0 20 10 0 0 0 0 0

1

JOB: S18 Rosemary LB15AM

RUN: S18 Rosemary LB15AM

PAGE 5

MODEL RESULTS  
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REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39  
-----\*-----  
0. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
5. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
10. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
15. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
20. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
25. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
30. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
35. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
40. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
45. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
50. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
55. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
60. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
65. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
70. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
75. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
80. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
85. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
90. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
95. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
100. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
105. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
110. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
115. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
120. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
125. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
130. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
135. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
140. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
145. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
150. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
155. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
160. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
165. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
170. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
175. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
180. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
185. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
190. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
195. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
200. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
205. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

1

JOB: S18 Rosemary LB15AM

RUN: S18 Rosemary LB15AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39  
-----\*-----  
210. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
215. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
220. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
225. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
230. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
235. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
240. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
245. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
250. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
255. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
260. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
265. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
270. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
275. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
280. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
285. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
290. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
295. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
300. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
305. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
310. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*																			
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
DEGR.	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25

THE HIGHEST CONCENTRATION IS .10 PPM AT 20 DEGREES FROM REC14.  
 THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 10 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS .10 PPM AT 0 DEGREES FROM REC16.

S18 Rosemary LB15PM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300705.	485550.	5.0		
South	300786.	485495.	5.0		
South	300865.	485446.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary LB15PM			17 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	975 3.2 0. 56	38	
2					
SB	16th St	AG300968.485568.300950.485763.	0. 36 3		
120	17	2.0 975 33.4 1695 1 3			
1					
SB	16th St	AG301244.484872.301100.484989.	975 3.2 0. 56	38	
1					
SB	16th St	AG301100.484989.301016.485149.	975 3.2 0. 56	38	
1					
SB	16th St	AG301016.485149.300973.485497.	975 3.2 0. 56	38	
1					
NB	16th St	AG300910.486577.301054.485172.	2010 3.1 0. 56	33	
2					
SB	16th St	AG301035.485355.301050.485204.	0. 36 3		
120	17	2.0 2010 33.4 1695 1 3			
1					
NB	16th St	AG301054.485172.301135.485018.	2010 3.1 0. 56	33	
1					
NB	16th St	AG301135.485018.301290.484904.	2010 3.1 0. 56	33	
1					
WB	Tr Bus	AG299287.486453.299517.486310.	34 2.5 0. 32	25	
1					
WB	Tr Bus	AG299517.486310.299593.486272.	34 2.5 0. 32	25	
1					
WB	Tr Bus	AG299593.486272.300705.485595.	34 2.5 0. 32	25	
1					
WB	Tr Bus	AG300705.485595.300992.485415.	34 2.5 0. 32	25	
1					
EB	Tr Bus	AG300988.485403.300678.485597.	34 2.5 0. 32	25	
1					
EB	Tr Bus	AG300678.485597.299575.486268.	34 2.5 0. 32	25	
1					
EB	Tr Bus	AG299575.486268.299479.486319.	34 2.5 0. 32	25	
1					
EB	Tr Bus	AG299479.486319.299280.486442.	34 2.5 0. 32	25	
1.0	04	1000 0Y 5 0 72			

JOB: S18 Rosemary LB15PM

RUN: S18 Rosemary LB15PM

DATE: 10/29/2007 TIME: 10:44:33.69

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. SB	16th St	* 300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	975.	3.2	.0	56.0	
2. SB	16th St	* 300968.0	485568.0	300965.2	485598.1	*	30.	355. AG	38.	100.0	.0	36.0	.23 1.5
3. SB	16th St	* 301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	975.	3.2	.0	56.0	
4. SB	16th St	* 301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	975.	3.2	.0	56.0	
5. SB	16th St	* 301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	975.	3.2	.0	56.0	
6. NB	16th St	* 300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	2010.	3.1	.0	56.0	
7. SB	16th St	* 301035.0	485355.0	301041.2	485293.0	*	62.	174. AG	38.	100.0	.0	36.0	.48 3.2
8. NB	16th St	* 301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	2010.	3.1	.0	56.0	
9. NB	16th St	* 301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	2010.	3.1	.0	56.0	
10. WB	Tr Bus	* 299287.0	486453.0	299517.0	486310.0	*	271.	122. AG	34.	2.5	.0	32.0	
11. WB	Tr Bus	* 299517.0	486310.0	299593.0	486272.0	*	85.	117. AG	34.	2.5	.0	32.0	
12. WB	Tr Bus	* 299593.0	486272.0	300705.0	485595.0	*	1302.	121. AG	34.	2.5	.0	32.0	
13. WB	Tr Bus	* 300705.0	485595.0	300992.0	485415.0	*	339.	122. AG	34.	2.5	.0	32.0	
14. EB	Tr Bus	* 300988.0	485403.0	300678.0	485597.0	*	366.	302. AG	34.	2.5	.0	32.0	
15. EB	Tr Bus	* 300678.0	485597.0	299575.0	486268.0	*	1291.	301. AG	34.	2.5	.0	32.0	
16. EB	Tr Bus	* 299575.0	486268.0	299479.0	486319.0	*	109.	298. AG	34.	2.5	.0	32.0	
17. EB	Tr Bus	* 299479.0	486319.0	299280.0	486442.0	*	234.	302. AG	34.	2.5	.0	32.0	

JOB: S18 Rosemary LB15PM

RUN: S18 Rosemary LB15PM

DATE: 10/29/2007 TIME: 10:44:33.69

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. SB	16th St	* 120	17	2.0	975	1695	33.40	1	3
7. SB	16th St	* 120	17	2.0	2010	1695	33.40	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300705.0	485550.0	5.0	*
15. South	*	300786.0	485495.0	5.0	*
16. South	*	300865.0	485446.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
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26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary LB15PM

RUN: S18 Rosemary LB15PM





315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*																			
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .20 PPM AT 10 DEGREES FROM REC16.  
 THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 15 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS .00 PPM AT 0 DEGREES FROM REC1 .

S18 Rosemary LLAM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300705.	485550.	5.0		
South	300786.	485495.	5.0		
South	300865.	485446.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary LLAM			9 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	2015 3.1 0. 56	33	
2					
SB	16th St	AG300968.485568.300950.485763.	0. 36 3		
120	17	2.0 2015 33.4 1695 1 3			
1					
SB	16th St	AG301244.484872.301100.484989.	2015 3.1 0. 56	33	
1					
SB	16th St	AG301100.484989.301016.485149.	2015 3.1 0. 56	33	
1					
SB	16th St	AG301016.485149.300973.485497.	2015 3.1 0. 56	33	
1					
NB	16th St	AG300910.486577.301054.485172.	895 3.2 0. 56	38	
2					
NB	16th St	AG301035.485355.301050.485204.	0. 36 3		
120	17	2.0 895 33.4 1695 1 3			
1					
NB	16th St	AG301054.485172.301135.485018.	895 3.2 0. 56	38	
1					
NB	16th St	AG301135.485018.301290.484904.	895 3.2 0. 56	38	
1.0	04 1000 0Y 5 0 72				



JOB: S18 Rosemary LLAM

RUN: S18 Rosemary LLAM

DATE: 10/29/2007 TIME: 11:09:54.03

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB 16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	2015.	3.1	.0	56.0	
2. SB 16th St	*	300968.0	485568.0	300962.3	485630.1	*	62.	355. AG	38.	100.0	.0	36.0	.48 3.2
3. SB 16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	2015.	3.1	.0	56.0	
4. SB 16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	2015.	3.1	.0	56.0	
5. SB 16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	2015.	3.1	.0	56.0	
6. NB 16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	895.	3.2	.0	56.0	
7. NB 16th St	*	301035.0	485355.0	301037.7	485327.4	*	28.	174. AG	38.	100.0	.0	36.0	.21 1.4
8. NB 16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	895.	3.2	.0	56.0	
9. NB 16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	895.	3.2	.0	56.0	

JOB: S18 Rosemary LLAM

RUN: S18 Rosemary LLAM

DATE: 10/29/2007 TIME: 11:09:54.03

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. SB 16th St	*	120	17	2.0	2015	1695	33.40	1	3
7. NB 16th St	*	120	17	2.0	895	1695	33.40	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300705.0	485550.0	5.0	*
15. South	*	300786.0	485495.0	5.0	*
16. South	*	300865.0	485446.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary LLAM

RUN: S18 Rosemary LLAM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.





355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*																			
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
DEGR.	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25

THE HIGHEST CONCENTRATION IS .10 PPM AT 20 DEGREES FROM REC14.  
 THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 10 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS .10 PPM AT 0 DEGREES FROM REC16.

S18 Rosemary LL15PM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300705.	485550.	5.0		
South	300786.	485495.	5.0		
South	300865.	485446.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary LL15PM			9 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	975 3.2 0. 56	38	
2					
SB	16th St	AG300968.485568.300950.485763.	0. 36 3		
120	17	2.0 975 33.4 1695 1 3			
1					
SB	16th St	AG301244.484872.301100.484989.	975 3.2 0. 56	38	
1					
SB	16th St	AG301100.484989.301016.485149.	975 3.2 0. 56	38	
1					
SB	16th St	AG301016.485149.300973.485497.	975 3.2 0. 56	38	
1					
NB	16th St	AG300910.486577.301054.485172.	2010 3.1 0. 56	33	
2					
NB	16th St	AG301035.485355.301050.485204.	0. 36 3		
120	17	2.0 2010 33.4 1695 1 3			
1					
NB	16th St	AG301054.485172.301135.485018.	2010 3.1 0. 56	33	
1					
NB	16th St	AG301135.485018.301290.484904.	2010 3.1 0. 56	33	
1.0 04 1000 0Y 5 0 72					

JOB: S18 Rosemary LL15PM

RUN: S18 Rosemary LL15PM

DATE: 10/29/2007 TIME: 11:14:00.21

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB 16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	975.	3.2	.0	56.0	
2. SB 16th St	*	300968.0	485568.0	300965.2	485598.1	*	30.	355. AG	38.	100.0	.0	36.0	.23 1.5
3. SB 16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	975.	3.2	.0	56.0	
4. SB 16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	975.	3.2	.0	56.0	
5. SB 16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	975.	3.2	.0	56.0	
6. NB 16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	2010.	3.1	.0	56.0	
7. NB 16th St	*	301035.0	485355.0	301041.2	485293.0	*	62.	174. AG	38.	100.0	.0	36.0	.48 3.2
8. NB 16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	2010.	3.1	.0	56.0	
9. NB 16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	2010.	3.1	.0	56.0	

JOB: S18 Rosemary LL15PM

RUN: S18 Rosemary LL15PM

DATE: 10/29/2007 TIME: 11:14:00.21

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. SB 16th St	*	120	17	2.0	975	1695	33.40	1	3
7. NB 16th St	*	120	17	2.0	2010	1695	33.40	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300705.0	485550.0	5.0	*
15. South	*	300786.0	485495.0	5.0	*
16. South	*	300865.0	485446.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary LL15PM

RUN: S18 Rosemary LL15PM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.







355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*																			
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .20 PPM AT 10 DEGREES FROM REC16.  
 THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 15 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS .00 PPM AT 0 DEGREES FROM REC1 .

Site 18

Rosemary Hills Elementary  
School

2030

S18 Rosemary NB30AM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300714.	485562.	5.0		
South	300802.	485526.	5.0		
South	300879.	485475.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary NB30AM			7 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	2411 2.7 0. 56	30	
1					
SB	16th St	AG301244.484872.301100.484989.	2411 2.7 0. 56	30	
1					
SB	16th St	AG301100.484989.301016.485149.	2411 2.7 0. 56	30	
1					
SB	16th St	AG301016.485149.300973.485497.	2411 2.7 0. 56	30	
1					
NB	16th St	AG300910.486577.301054.485172.	1068 2.7 0. 56	35	
1					
NB	16th St	AG301054.485172.301135.485018.	1068 2.7 0. 56	35	
1					
NB	16th St	AG301135.485018.301290.484904.	1068 2.7 0. 56	35	
1.0 04 1000 0Y 5 0 72					

JOB: S18 Rosemary NB30AM

RUN: S18 Rosemary NB30AM

DATE: 10/29/2007 TIME: 10:28:59.25

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB 16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	2411.	2.7	.0	56.0	
2. SB 16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	2411.	2.7	.0	56.0	
3. SB 16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	2411.	2.7	.0	56.0	
4. SB 16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	2411.	2.7	.0	56.0	
5. NB 16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	1068.	2.7	.0	56.0	
6. NB 16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	1068.	2.7	.0	56.0	
7. NB 16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	1068.	2.7	.0	56.0	

JOB: S18 Rosemary NB30AM

RUN: S18 Rosemary NB30AM

DATE: 10/29/2007 TIME: 10:28:59.25

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300714.0	485562.0	5.0	*
15. South	*	300802.0	485526.0	5.0	*
16. South	*	300879.0	485475.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary NB30AM

RUN: S18 Rosemary NB30AM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)



WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

1

RUN: S18 Rosemary NB30AM

PAGE 6

WIND ANGLE RANGE: 0.-360.

ANGLE \* (PPM)

[illegible]

DEGR. \* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20

THE HIGHEST CONCENTRATION IS .10 PPM AT 20 DEGREES FROM REC14.  
THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 5 DEGREES FROM REC15.  
THE 3RD HIGHEST CONCENTRATION IS .10 PPM AT 0 DEGREES FROM REC16.

S18 Rosemary NB30PM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300714.	485562.	5.0		
South	300802.	485526.	5.0		
South	300879.	485475.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary NB30PM			7 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	1168 2.7 0. 56	35	
1					
SB	16th St	AG301244.484872.301100.484989.	1168 2.7 0. 56	35	
1					
SB	16th St	AG301100.484989.301016.485149.	1168 2.7 0. 56	35	
1					
SB	16th St	AG301016.485149.300973.485497.	1168 2.7 0. 56	35	
1					
NB	16th St	AG300910.486577.301054.485172.	2400 2.7 0. 56	30	
1					
NB	16th St	AG301054.485172.301135.485018.	2400 2.7 0. 56	30	
1					
NB	16th St	AG301135.485018.301290.484904.	2400 2.7 0. 56	30	
1.0 04 1000 0Y 5 0 72					



JOB: S18 Rosemary NB30PM

RUN: S18 Rosemary NB30PM

DATE: 10/29/2007 TIME: 10:30:35.42

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB 16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	1168.	2.7	.0	56.0	
2. SB 16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	1168.	2.7	.0	56.0	
3. SB 16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	1168.	2.7	.0	56.0	
4. SB 16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	1168.	2.7	.0	56.0	
5. NB 16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	2400.	2.7	.0	56.0	
6. NB 16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	2400.	2.7	.0	56.0	
7. NB 16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	2400.	2.7	.0	56.0	

JOB: S18 Rosemary NB30PM

RUN: S18 Rosemary NB30PM

DATE: 10/29/2007 TIME: 10:30:35.42

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300714.0	485562.0	5.0	*
15. South	*	300802.0	485526.0	5.0	*
16. South	*	300879.0	485475.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary NB30PM

RUN: S18 Rosemary NB30PM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)



WIND ANGLE RANGE: 0.-360.

WIND CONCENTRATION  
ANGLE \* (PPM)

1

JOB: S18 Rosemary NB30PM

RUN: S18 Rosemary NB30PM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND CONCENTRATION  
ANGLE \* (PPM)

[illegible]

DEGR. \* 0

THE HIGHEST CONCENTRATION IS .20 PPM AT 5 DEGREES FROM REC16.  
THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 10 DEGREES FROM REC15.  
THE 3RD HIGHEST CONCENTRATION IS .00 PPM AT 0 DEGREES FROM REC1 .

S18 Rosemary LB30AM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300705.	485550.	5.0		
South	300786.	485495.	5.0		
South	300865.	485446.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary LB30AM			17 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	2290 2.7 0. 56	30	
2					
SB	16th St	AG300968.485568.300950.485763.	0. 36 3		
120	17	2.0 2290 29.1 1695 1 3			
1					
SB	16th St	AG301244.484872.301100.484989.	2290 2.7 0. 56	30	
1					
SB	16th St	AG301100.484989.301016.485149.	2290 2.7 0. 56	30	
1					
SB	16th St	AG301016.485149.300973.485497.	2290 2.7 0. 56	30	
1					
NB	16th St	AG300910.486577.301054.485172.	1015 2.7 0. 56	35	
2					
SB	16th St	AG301035.485355.301050.485204.	0. 36 3		
120	17	2.0 1015 29.1 1695 1 3			
1					
NB	16th St	AG301054.485172.301135.485018.	1015 2.7 0. 56	35	
1					
NB	16th St	AG301135.485018.301290.484904.	1015 2.7 0. 56	35	
1					
WB	Tr Bus	AG299287.486453.299517.486310.	34 0.4 0. 32	25	
1					
WB	Tr Bus	AG299517.486310.299593.486272.	34 0.4 0. 32	25	
1					
WB	Tr Bus	AG299593.486272.300705.485595.	34 0.4 0. 32	25	
1					
WB	Tr Bus	AG300705.485595.300992.485415.	34 0.4 0. 32	25	
1					
EB	Tr Bus	AG300988.485403.300678.485597.	34 0.4 0. 32	25	
1					
EB	Tr Bus	AG300678.485597.299575.486268.	34 0.4 0. 32	25	
1					
EB	Tr Bus	AG299575.486268.299479.486319.	34 0.4 0. 32	25	
1					
EB	Tr Bus	AG299479.486319.299280.486442.	34 0.4 0. 32	25	
1.0	04	1000 0Y 5 0 72			

JOB: S18 Rosemary LB30AM

RUN: S18 Rosemary LB30AM

DATE: 10/29/2007 TIME: 10:48:39.82

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION		*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
		*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB	16th St	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	2290.	2.7	.0	56.0	
2. SB	16th St	*	300968.0	485568.0	300961.5	485638.6	*	71.	355. AG	33.	100.0	.0	36.0	.55 3.6
3. SB	16th St	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	2290.	2.7	.0	56.0	
4. SB	16th St	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	2290.	2.7	.0	56.0	
5. SB	16th St	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	2290.	2.7	.0	56.0	
6. NB	16th St	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	1015.	2.7	.0	56.0	
7. SB	16th St	*	301035.0	485355.0	301038.1	485323.7	*	31.	174. AG	33.	100.0	.0	36.0	.24 1.6
8. NB	16th St	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	1015.	2.7	.0	56.0	
9. NB	16th St	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	1015.	2.7	.0	56.0	
10. WB	Tr Bus	*	299287.0	486453.0	299517.0	486310.0	*	271.	122. AG	34.	.4	.0	32.0	
11. WB	Tr Bus	*	299517.0	486310.0	299593.0	486272.0	*	85.	117. AG	34.	.4	.0	32.0	
12. WB	Tr Bus	*	299593.0	486272.0	300705.0	485595.0	*	1302.	121. AG	34.	.4	.0	32.0	
13. WB	Tr Bus	*	300705.0	485595.0	300992.0	485415.0	*	339.	122. AG	34.	.4	.0	32.0	
14. EB	Tr Bus	*	300988.0	485403.0	300678.0	485597.0	*	366.	302. AG	34.	.4	.0	32.0	
15. EB	Tr Bus	*	300678.0	485597.0	299575.0	486268.0	*	1291.	301. AG	34.	.4	.0	32.0	
16. EB	Tr Bus	*	299575.0	486268.0	299479.0	486319.0	*	109.	298. AG	34.	.4	.0	32.0	
17. EB	Tr Bus	*	299479.0	486319.0	299280.0	486442.0	*	234.	302. AG	34.	.4	.0	32.0	

JOB: S18 Rosemary LB30AM

RUN: S18 Rosemary LB30AM

DATE: 10/29/2007 TIME: 10:48:39.82

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION		*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
		*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. SB	16th St	*	120	17	2.0	2290	1695	29.10	1	3
7. SB	16th St	*	120	17	2.0	1015	1695	29.10	1	3

## RECEPTOR LOCATIONS

RECEPTOR		*	COORDINATES (FT)			*
		*	X	Y	Z	*
1. South		*	299290.0	486364.0	5.0	*
2. South		*	299390.0	486302.0	5.0	*
3. South		*	299493.0	486246.0	5.0	*
4. South		*	299611.0	486170.0	5.0	*
5. South		*	299666.0	486137.0	5.0	*
6. South		*	299695.0	486066.0	5.0	*
7. South		*	299871.0	485990.0	5.0	*
8. South		*	299973.0	485993.0	5.0	*
9. South		*	300032.0	485948.0	5.0	*
10. South		*	300101.0	485905.0	5.0	*
11. South		*	300179.0	485865.0	5.0	*
12. South		*	300297.0	485753.0	5.0	*
13. South		*	300622.0	485592.0	5.0	*
14. South		*	300705.0	485550.0	5.0	*
15. South		*	300786.0	485495.0	5.0	*
16. South		*	300865.0	485446.0	5.0	*
17. North		*	299387.0	486565.0	5.0	*
18. North		*	299708.0	486383.0	5.0	*
19. North		*	299795.0	486389.0	5.0	*
20. North		*	299867.0	486289.0	5.0	*
21. North		*	299880.0	486274.0	5.0	*
22. North		*	300006.0	486199.0	5.0	*
23. North		*	300052.0	486171.0	5.0	*
24. North		*	300085.0	486157.0	5.0	*
25. North		*	299475.0	486483.0	5.0	*
26. North		*	299538.0	486427.0	5.0	*
27. North		*	299566.0	486481.0	5.0	*
28. North		*	299577.0	486403.0	5.0	*
29. North		*	299610.0	486381.0	5.0	*
30. North		*	299667.0	486343.0	5.0	*
31. North		*	299747.0	486306.0	5.0	*
32. North		*	299966.0	486170.0	5.0	*
33. North		*	300012.0	486134.0	5.0	*
34. North		*	300074.0	486095.0	5.0	*
35. North		*	300251.0	486064.0	5.0	*
36. North		*	300345.0	485997.0	5.0	*
37. North		*	300457.0	485926.0	5.0	*
38. North		*	300558.0	485871.0	5.0	*
39. North		*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary LB30AM

RUN: S18 Rosemary LB30AM



-----\*-----  
MAX \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .0 .0 .0 .0  
DEGR. \* 0 0 0 0 0 0 0 0 0 0 0 0 0 25 10 0 0 0 0

1

JOB: S18 Rosemary LB30AM

RUN: S18 Rosemary LB30AM

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MODEL RESULTS  
-----

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39  
-----\*-----  
0. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
5. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
10. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
15. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
20. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
25. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
30. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
35. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
40. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
45. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
50. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
55. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1  
60. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
65. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
70. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
75. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
80. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
85. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
90. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
95. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
100. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
105. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
110. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
115. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
120. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
125. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
130. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
135. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
140. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
145. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
150. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
155. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
160. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
165. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
170. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
175. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
180. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
185. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
190. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
195. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
200. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
205. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

1

JOB: S18 Rosemary LB30AM

RUN: S18 Rosemary LB30AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39  
-----\*-----  
210. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
215. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
220. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
225. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
230. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
235. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
240. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
245. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
250. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
255. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
260. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
265. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
270. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
275. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
280. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
285. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
290. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
295. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
300. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
305. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0  
310. \* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0



315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*																			
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
DEGR.	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25

THE HIGHEST CONCENTRATION IS .10 PPM AT 25 DEGREES FROM REC14.  
 THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 10 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS .10 PPM AT 0 DEGREES FROM REC16.

S18 Rosemary LB30PM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300705.	485550.	5.0		
South	300786.	485495.	5.0		
South	300865.	485446.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary LB30AM			17 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	1110 2.7 0. 56	35	
2					
SB	16th St	AG300968.485568.300950.485763.	0. 36 3		
120	17	2.0 1110 29.1 1695 1 3			
1					
SB	16th St	AG301244.484872.301100.484989.	1110 2.7 0. 56	35	
1					
SB	16th St	AG301100.484989.301016.485149.	1110 2.7 0. 56	35	
1					
SB	16th St	AG301016.485149.300973.485497.	1110 2.7 0. 56	35	
1					
NB	16th St	AG300910.486577.301054.485172.	2280 2.7 0. 56	30	
2					
SB	16th St	AG301035.485355.301050.485204.	0. 36 3		
120	17	2.0 2280 29.1 1695 1 3			
1					
NB	16th St	AG301054.485172.301135.485018.	2280 2.7 0. 56	30	
1					
NB	16th St	AG301135.485018.301290.484904.	2280 2.7 0. 56	30	
1					
WB	Tr Bus	AG299287.486453.299517.486310.	34 0.4 0. 32	25	
1					
WB	Tr Bus	AG299517.486310.299593.486272.	34 0.4 0. 32	25	
1					
WB	Tr Bus	AG299593.486272.300705.485595.	34 0.4 0. 32	25	
1					
WB	Tr Bus	AG300705.485595.300992.485415.	34 0.4 0. 32	25	
1					
EB	Tr Bus	AG300988.485403.300678.485597.	34 0.4 0. 32	25	
1					
EB	Tr Bus	AG300678.485597.299575.486268.	34 0.4 0. 32	25	
1					
EB	Tr Bus	AG299575.486268.299479.486319.	34 0.4 0. 32	25	
1					
EB	Tr Bus	AG299479.486319.299280.486442.	34 0.4 0. 32	25	
1.0	04	1000 0Y 5 0 72			

JOB: S18 Rosemary LB30PM

RUN: S18 Rosemary LB30AM

DATE: 10/29/2007 TIME: 10:50:54.44

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. SB	16th St	* 300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	1110.	2.7	.0	56.0	
2. SB	16th St	* 300968.0	485568.0	300964.9	485602.2	*	34.	355. AG	33.	100.0	.0	36.0	.26 1.7
3. SB	16th St	* 301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	1110.	2.7	.0	56.0	
4. SB	16th St	* 301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	1110.	2.7	.0	56.0	
5. SB	16th St	* 301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	1110.	2.7	.0	56.0	
6. NB	16th St	* 300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	2280.	2.7	.0	56.0	
7. SB	16th St	* 301035.0	485355.0	301042.0	485284.7	*	71.	174. AG	33.	100.0	.0	36.0	.54 3.6
8. NB	16th St	* 301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	2280.	2.7	.0	56.0	
9. NB	16th St	* 301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	2280.	2.7	.0	56.0	
10. WB	Tr Bus	* 299287.0	486453.0	299517.0	486310.0	*	271.	122. AG	34.	.4	.0	32.0	
11. WB	Tr Bus	* 299517.0	486310.0	299593.0	486272.0	*	85.	117. AG	34.	.4	.0	32.0	
12. WB	Tr Bus	* 299593.0	486272.0	300705.0	485595.0	*	1302.	121. AG	34.	.4	.0	32.0	
13. WB	Tr Bus	* 300705.0	485595.0	300992.0	485415.0	*	339.	122. AG	34.	.4	.0	32.0	
14. EB	Tr Bus	* 300988.0	485403.0	300678.0	485597.0	*	366.	302. AG	34.	.4	.0	32.0	
15. EB	Tr Bus	* 300678.0	485597.0	299575.0	486268.0	*	1291.	301. AG	34.	.4	.0	32.0	
16. EB	Tr Bus	* 299575.0	486268.0	299479.0	486319.0	*	109.	298. AG	34.	.4	.0	32.0	
17. EB	Tr Bus	* 299479.0	486319.0	299280.0	486442.0	*	234.	302. AG	34.	.4	.0	32.0	

JOB: S18 Rosemary LB30PM

RUN: S18 Rosemary LB30AM

DATE: 10/29/2007 TIME: 10:50:54.44

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. SB	16th St	* 120	17	2.0	1110	1695	29.10	1	3
7. SB	16th St	* 120	17	2.0	2280	1695	29.10	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300705.0	485550.0	5.0	*
15. South	*	300786.0	485495.0	5.0	*
16. South	*	300865.0	485446.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary LB30PM

RUN: S18 Rosemary LB30AM



```
-----*-----
MAX  * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .2 .0 .0 .0 .0
DEGR * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 15 15 0 0 0 0
```

1

JOB: S18 Rosemary LB30PM

RUN: S18 Rosemary LB30AM

PAGE 5

MODEL RESULTS  
-----

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

```
WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39
-----*-----
0. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
5. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
10. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
15. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
20. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
25. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
30. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
35. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
40. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
45. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
50. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
55. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
60. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
65. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
70. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
75. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
80. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
85. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
90. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
95. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
100. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
105. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
110. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
115. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
120. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
125. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
130. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
135. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
140. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
145. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
150. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
155. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
160. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
165. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
170. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
175. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
180. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
185. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
190. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
195. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
200. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
205. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
```

1

JOB: S18 Rosemary LB30PM

RUN: S18 Rosemary LB30AM

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WIND ANGLE RANGE: 0.-360.

```
WIND * CONCENTRATION
ANGLE * (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39
-----*-----
210. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
215. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
220. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
225. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
230. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
235. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
240. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
245. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
250. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
255. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
260. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
265. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
270. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
275. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
280. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
285. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
290. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
295. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
300. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
305. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
310. * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
```

315.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*																			
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .20 PPM AT 15 DEGREES FROM REC16.  
 THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 15 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS .00 PPM AT 0 DEGREES FROM REC1 .

S18 Rosemary LL30AM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300705.	485550.	5.0		
South	300786.	485495.	5.0		
South	300865.	485446.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary LL30AM			9 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	2290 2.7 0. 56	30	
2					
SB	16th St	AG300968.485568.300950.485763.	0. 36 3		
120	17	2.0 2290 29.1 1695 1 3			
1					
SB	16th St	AG301244.484872.301100.484989.	2290 2.7 0. 56	30	
1					
SB	16th St	AG301100.484989.301016.485149.	2290 2.7 0. 56	30	
1					
SB	16th St	AG301016.485149.300973.485497.	2290 2.7 0. 56	30	
1					
NB	16th St	AG300910.486577.301054.485172.	1015 2.7 0. 56	35	
2					
NB	16th St	AG301035.485355.301050.485204.	0. 36 3		
120	17	2.0 1015 29.1 1695 1 3			
1					
NB	16th St	AG301054.485172.301135.485018.	1015 2.7 0. 56	35	
1					
NB	16th St	AG301135.485018.301290.484904.	1015 2.7 0. 56	35	
1.0	04 1000 0Y 5 0 72				

JOB: S18 Rosemary LL30AM

RUN: S18 Rosemary LL30AM

DATE: 10/29/2007 TIME: 11:21:08.35

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB	16th St	* 300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	2290.	2.7	.0	56.0	
2. SB	16th St	* 300968.0	485568.0	300961.5	485638.6	*	71.	355. AG	33.	100.0	.0	36.0	.55 3.6
3. SB	16th St	* 301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	2290.	2.7	.0	56.0	
4. SB	16th St	* 301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	2290.	2.7	.0	56.0	
5. SB	16th St	* 301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	2290.	2.7	.0	56.0	
6. NB	16th St	* 300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	1015.	2.7	.0	56.0	
7. NB	16th St	* 301035.0	485355.0	301038.1	485323.7	*	31.	174. AG	33.	100.0	.0	36.0	.24 1.6
8. NB	16th St	* 301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	1015.	2.7	.0	56.0	
9. NB	16th St	* 301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	1015.	2.7	.0	56.0	

JOB: S18 Rosemary LL30AM

RUN: S18 Rosemary LL30AM

DATE: 10/29/2007 TIME: 11:21:08.35

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. SB	16th St	* 120	17	2.0	2290	1695	29.10	1	3
7. NB	16th St	* 120	17	2.0	1015	1695	29.10	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300705.0	485550.0	5.0	*
15. South	*	300786.0	485495.0	5.0	*
16. South	*	300865.0	485446.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary LL30AM

RUN: S18 Rosemary LL30AM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.





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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

[illegible]

1

JOB: S18 Rosemary LL30AM

RUN: S18 Rosemary LL30AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

[illegible]

355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*																			
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
DEGR.	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25

THE HIGHEST CONCENTRATION IS .10 PPM AT 25 DEGREES FROM REC14.  
 THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 10 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS .10 PPM AT 0 DEGREES FROM REC16.

S18 Rosemary LL30PM			60.0321.0.0000.000390.30480000	1	1
South	299290.	486364.	5.0		
South	299390.	486302.	5.0		
South	299493.	486246.	5.0		
South	299611.	486170.	5.0		
South	299666.	486137.	5.0		
South	299695.	486066.	5.0		
South	299871.	485990.	5.0		
South	299973.	485993.	5.0		
South	300032.	485948.	5.0		
South	300101.	485905.	5.0		
South	300179.	485865.	5.0		
South	300297.	485753.	5.0		
South	300622.	485592.	5.0		
South	300705.	485550.	5.0		
South	300786.	485495.	5.0		
South	300865.	485446.	5.0		
North	299387.	486565.	5.0		
North	299708.	486383.	5.0		
North	299795.	486389.	5.0		
North	299867.	486289.	5.0		
North	299880.	486274.	5.0		
North	300006.	486199.	5.0		
North	300052.	486171.	5.0		
North	300085.	486157.	5.0		
North	299475.	486483.	5.0		
North	299538.	486427.	5.0		
North	299566.	486481.	5.0		
North	299577.	486403.	5.0		
North	299610.	486381.	5.0		
North	299667.	486343.	5.0		
North	299747.	486306.	5.0		
North	299966.	486170.	5.0		
North	300012.	486134.	5.0		
North	300074.	486095.	5.0		
North	300251.	486064.	5.0		
North	300345.	485997.	5.0		
North	300457.	485926.	5.0		
North	300558.	485871.	5.0		
North	300700.	485781.	5.0		
S18 Rosemary LL30PM			9 1 0		
1					
SB	16th St	AG300974.485500.300870.486629.	1110 2.7 0. 56	30	
2					
SB	16th St	AG300968.485568.300950.485763.	0. 36 3		
120	17	2.0 1110 29.1 1695 1 3			
1					
SB	16th St	AG301244.484872.301100.484989.	1110 2.7 0. 56	30	
1					
SB	16th St	AG301100.484989.301016.485149.	1110 2.7 0. 56	30	
1					
SB	16th St	AG301016.485149.300973.485497.	1110 2.7 0. 56	30	
1					
NB	16th St	AG300910.486577.301054.485172.	2280 2.7 0. 56	35	
2					
NB	16th St	AG301035.485355.301050.485204.	0. 36 3		
120	17	2.0 2280 29.1 1695 1 3			
1					
NB	16th St	AG301054.485172.301135.485018.	2280 2.7 0. 56	35	
1					
NB	16th St	AG301135.485018.301290.484904.	2280 2.7 0. 56	35	
1.0	04 1000 0Y 5 0 72				

JOB: S18 Rosemary LL30PM

RUN: S18 Rosemary LL30PM

DATE: 10/29/2007 TIME: 11:23:05.40

## SITE &amp; METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. SB	*	300974.0	485500.0	300870.0	486629.0	*	1134.	355. AG	1110.	2.7	.0	56.0	
2. SB	*	300968.0	485568.0	300964.9	485602.2	*	34.	355. AG	33.	100.0	.0	36.0	.26
3. SB	*	301244.0	484872.0	301100.0	484989.0	*	186.	309. AG	1110.	2.7	.0	56.0	
4. SB	*	301100.0	484989.0	301016.0	485149.0	*	181.	332. AG	1110.	2.7	.0	56.0	
5. SB	*	301016.0	485149.0	300973.0	485497.0	*	351.	353. AG	1110.	2.7	.0	56.0	
6. NB	*	300910.0	486577.0	301054.0	485172.0	*	1412.	174. AG	2280.	2.7	.0	56.0	
7. NB	*	301035.0	485355.0	301042.0	485284.7	*	71.	174. AG	33.	100.0	.0	36.0	.54
8. NB	*	301054.0	485172.0	301135.0	485018.0	*	174.	152. AG	2280.	2.7	.0	56.0	
9. NB	*	301135.0	485018.0	301290.0	484904.0	*	192.	126. AG	2280.	2.7	.0	56.0	3.6

JOB: S18 Rosemary LL30PM

RUN: S18 Rosemary LL30PM

DATE: 10/29/2007 TIME: 11:23:05.40

## ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. SB	*	120	17	2.0	1110	1695	29.10	1	3
7. NB	*	120	17	2.0	2280	1695	29.10	1	3

## RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. South	*	299290.0	486364.0	5.0	*
2. South	*	299390.0	486302.0	5.0	*
3. South	*	299493.0	486246.0	5.0	*
4. South	*	299611.0	486170.0	5.0	*
5. South	*	299666.0	486137.0	5.0	*
6. South	*	299695.0	486066.0	5.0	*
7. South	*	299871.0	485990.0	5.0	*
8. South	*	299973.0	485993.0	5.0	*
9. South	*	300032.0	485948.0	5.0	*
10. South	*	300101.0	485905.0	5.0	*
11. South	*	300179.0	485865.0	5.0	*
12. South	*	300297.0	485753.0	5.0	*
13. South	*	300622.0	485592.0	5.0	*
14. South	*	300705.0	485550.0	5.0	*
15. South	*	300786.0	485495.0	5.0	*
16. South	*	300865.0	485446.0	5.0	*
17. North	*	299387.0	486565.0	5.0	*
18. North	*	299708.0	486383.0	5.0	*
19. North	*	299795.0	486389.0	5.0	*
20. North	*	299867.0	486289.0	5.0	*
21. North	*	299880.0	486274.0	5.0	*
22. North	*	300006.0	486199.0	5.0	*
23. North	*	300052.0	486171.0	5.0	*
24. North	*	300085.0	486157.0	5.0	*
25. North	*	299475.0	486483.0	5.0	*
26. North	*	299538.0	486427.0	5.0	*
27. North	*	299566.0	486481.0	5.0	*
28. North	*	299577.0	486403.0	5.0	*
29. North	*	299610.0	486381.0	5.0	*
30. North	*	299667.0	486343.0	5.0	*
31. North	*	299747.0	486306.0	5.0	*
32. North	*	299966.0	486170.0	5.0	*
33. North	*	300012.0	486134.0	5.0	*
34. North	*	300074.0	486095.0	5.0	*
35. North	*	300251.0	486064.0	5.0	*
36. North	*	300345.0	485997.0	5.0	*
37. North	*	300457.0	485926.0	5.0	*
38. North	*	300558.0	485871.0	5.0	*
39. North	*	300700.0	485781.0	5.0	*

JOB: S18 Rosemary LL30PM

RUN: S18 Rosemary LL30PM

## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.



.....

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

[illegible]

1

JOB: S18 Rosemary LL30PM

RUN: S18 Rosemary LL30PM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

[illegible]

355.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
-----*																			
MAX	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DEGR.	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE HIGHEST CONCENTRATION IS .20 PPM AT 15 DEGREES FROM REC16.  
 THE 2ND HIGHEST CONCENTRATION IS .10 PPM AT 15 DEGREES FROM REC15.  
 THE 3RD HIGHEST CONCENTRATION IS .00 PPM AT 0 DEGREES FROM REC1 .



Site 19

Campus Drive and US1

2015

S19 Campus & US1 EXAM				60.0321.0.0000.000280.30480000	1	1				
SE MID S	1016.	704.	5.0							
SE 164 S	1052.	778.	5.0							
SE 82 S	1086.	852.	5.0							
SE CNR	1139.	918.	5.0							
SE 82 E	1218.	892.	5.0							
SE 164 E	1289.	850.	5.0							
SE MID E	1359.	807.	5.0							
NE MID E	1401.	916.	5.0							
NE 164 E	1330.	961.	5.0							
NE 82 E	1262.	1001.	5.0							
NE CNR	1190.	1057.	5.0							
NE 82 N	1215.	1145.	5.0							
NE 164 N	1248.	1219.	5.0							
NE MID N	1283.	1293.	5.0							
NW MID N	1179.	1327.	5.0							
NW 164 N	1142.	1254.	5.0							
NW 82 N	1105.	1181.	5.0							
NW CNR	1066.	1108.	5.0							
NW 82 W	983.	1094.	5.0							
NW 164 W	902.	1094.	5.0							
NW MID W	820.	1092.	5.0							
SW MID W	728.	960.	5.0							
SW 164 W	810.	963.	5.0							
SW 82 W	892.	969.	5.0							
SW CNR	977.	945.	5.0							
SW 82 S	959.	857.	5.0							
SW 164 S	924.	783.	5.0							
SW MID S	876.	716.	5.0							
Campus & US1 EXAM				53	1	0				
1										
0	US1nbAP	AG	655.	112.	798.	406.	885 6.0	0	44	30.
1										
0	US1nbAP	AG	798.	406.	942.	647.	885 6.0	0	44	30.
1										
0	US1nbAP	AG	942.	647.	1009.	772.	885 6.0	0	44	30.
1										
0	US1nbAP	AG	1008.	772.	1124.	1009.	616 6.0	0	44	30.
2										
0	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24	2	
150		80	6	616	65.9	1770	1	3		
1										
0	US1nbL	AG	981.	776.	1092.	1003.	158 6.0	0	44	30.
2										
0	US1nbLQ	AG	1051.	919.	996.	806.	0.	24	2	
150		130	5	158	65.9	1717	1	3		
1										
0	US1nbR	AG	1022.	756.	1118.	955.	111 6.0	0	32	30.
2										
0	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12	1	
150		80	6	111	65.9	1583	1	3		
1										
0	US1nbD	AG	1125.	1010.	1325.	1430.	905 6.0	0	44	30.
1										
0	US1nbD	AG	1325.	1430.	1401.	1631.	905 6.0	0	44	30.
1										
0	US1nbD	AG	1401.	1631.	1488.	1926.	905 6.0	0	44	30.
1										
0	US1sbAP	AG	1443.	1894.	1339.	1601.	2315 6.0	0	44	30.
1										
0	US1sbAP	AG	1339.	1601.	1279.	1462.	2315 6.0	0	44	30.
1										
0	US1sbT	AG	1279.	1462.	1069.	1021.	1355 6.0	0	44	30.
2										
0	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24	2	
150		70	6	1355	65.9	1770	1	3		
1										
0	US1sbL	AG	1299.	1450.	1090.	1015.	403 6.0	0	44	30.
2										
0	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24	2	
150		120	5	403	65.9	1717	1	3		
1										
0	US1sbR	AG	1259.	1459.	1055.	1038.	557 6.0	0	32	30.
2										
0	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12	1	
150		70	6	557	65.9	1583	1	3		
1										
0	US1sbD	AG	1068.	1020.	624.	131.	1724 6.0	0	44	30.
1										
0	CMebA	AG	121.	788.	376.	896.	187 8.8	0	44	30.
1										
0	CMebTL	AG	375.	897.	608.	964.	216 8.8	0	44	30.
1										
0	CMebTL	AG	608.	964.	743.	984.	216 8.8	0	44	30.
1										
0	CMebTL	AG	744.	982.	1049.	996.	216 8.8	0	44	30.
2										
0	CMebTLQ	AG	993.	993.	754.	983.	0.	24	2	
150		127	6	216	65.9	1726	1	3		
1										
0	CMebR	AG	456.	912.	776.	925.	69 8.8	0	32	30.
1										
0	CMebR	AG	776.	925.	866.	877.	69 8.8	0	32	30.
1										
0	CMebR	AG	866.	877.	904.	809.	69 8.8	0	32	30.

0	1	CMebR	AG	904.	809.	909.	713.	69	8.8	0	32	30.
0	1	CMebD	AG	1046.	994.	1170.	944.	658	8.8	0	44	30.
0	1	CMebD	AG	1170.	944.	1373.	828.	658	8.8	0	44	30.
0	1	CMebD	AG	1373.	828.	1510.	701.	658	8.8	0	44	30.
0	1	CMebD	AG	1510.	701.	1597.	577.	658	8.8	0	44	30.
0	1	CMebD	AG	1597.	577.	1659.	437.	658	8.8	0	44	30.
0	1	CMebD	AG	1659.	437.	1699.	319.	658	8.8	0	44	30.
0	1	CMebD	AG	1699.	319.	1714.	179.	658	8.8	0	44	30.
0	1	CMwbA	AG	1736.	233.	1714.	361.	987	8.8	0	44	30.
0	1	CMwbA	AG	1714.	361.	1641.	569.	987	8.8	0	44	30.
0	1	CMwbA	AG	1641.	569.	1581.	691.	987	8.8	0	44	30.
0	1	CMwbTL	AG	1569.	689.	1464.	803.	770	8.8	0	56	30.
0	1	CMwbTL	AG	1464.	803.	1363.	886.	770	8.8	0	56	30.
0	1	CMwbTL	AG	1363.	886.	1103.	1040.	770	8.8	0	56	30.
0	2	CMwbTLQ	AG	1183.	992.	1357.	889.	0.	36	3		
	150		113	6	770	65.9	1661	1	3			
0	1	CMwbR	AG	1581.	705.	1486.	813.	217	8.8	0	44	30.
0	1	CMwbR	AG	1486.	813.	1375.	908.	217	8.8	0	44	30.
0	1	CMwbR	AG	1375.	908.	1119.	1057.	217	8.8	0	44	30.
0	2	CMwbRQ	AG	1191.	1015.	1372.	910.	0.	24	2		
	150		94	6	217	65.9	1394	1	3			
0	1	CMwbD	AG	1104.	1037.	957.	1069.	1185	8.8	0	44	30.
0	1	CMwbD	AG	957.	1069.	832.	1071.	1185	8.8	0	44	30.
0	1	CMwbD	AG	832.	1071.	672.	1030.	1185	8.8	0	44	30.
0	1	CMwbD2	AG	666.	1021.	295.	886.	537	8.8	0	32	30.
0	1	CMwbD2	AG	295.	886.	109.	808.	537	8.8	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S19 Campus & US1 EXAM  
DATE: 12/06/2007 TIME: 10:46:53.15

RUN: Campus & US1 EXAM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	885.	6.0	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	885.	6.0	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	885.	6.0	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	616.	6.0	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	1016.2	787.8	*	135.	206. AG	189.	100.0	.0	24.0	.39 6.8
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	158.	6.0	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1026.4	868.5	*	56.	206. AG	306.	100.0	.0	24.0	.40 2.9
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	111.	6.0	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1070.9	857.3	*	49.	206. AG	94.	100.0	.0	12.0	.16 2.5
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	905.	6.0	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	905.	6.0	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	905.	6.0	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2315.	6.0	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2315.	6.0	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1355.	6.0	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1222.7	1343.8	*	259.	26. AG	165.	100.0	.0	24.0	.74 13.2
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	403.	6.0	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1187.4	1217.7	*	132.	26. AG	283.	100.0	.0	24.0	.64 6.7
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	557.	6.0	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1187.0	1309.8	*	213.	26. AG	82.	100.0	.0	12.0	.68 10.8
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	1724.	6.0	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	187.	8.8	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	216.	8.8	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	216.	8.8	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	216.	8.8	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	918.1	989.9	*	75.	268. AG	299.	100.0	.0	24.0	.46 3.8
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	69.	8.8	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	69.	8.8	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	69.	8.8	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	69.	8.8	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	658.	8.8	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	658.	8.8	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	658.	8.8	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	658.	8.8	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	658.	8.8	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	658.	8.8	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	658.	8.8	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	987.	8.8	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	987.	8.8	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	987.	8.8	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	770.	8.8	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	770.	8.8	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	770.	8.8	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1319.1	911.4	*	158.	121. AG	399.	100.0	.0	36.0	.67 8.0

JOB: S19 Campus & US1 EXAM  
DATE: 12/06/2007 TIME: 10:46:53.15

RUN: Campus & US1 EXAM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	217.	8.8	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	217.	8.8	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	217.	8.8	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	1239.0	987.1	*	56.	120. AG	222.	100.0	.0	24.0	.22 2.8
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	1185.	8.8	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	1185.	8.8	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	1185.	8.8	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	537.	8.8	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	537.	8.8	.0	32.0	

JOB: S19 Campus & US1 EXAM  
DATE: 12/06/2007 TIME: 10:46:53.15

RUN: Campus & US1 EXAM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	80	.6	616	1770	65.90	1	3
7. 0	US1nbLQ	150	130	.5	158	1717	65.90	1	3
9. 0	US1nbRQ	150	80	.6	111	1583	65.90	1	3
16. 0	US1sbTQ	150	70	.6	1355	1770	65.90	1	3
18. 0	US1sbLQ	150	120	.5	403	1717	65.90	1	3

20. 0	US1sbRQ	*	150	70	.6	557	1583	65.90	1	3
26. 0	CMebTLQ	*	150	127	.6	216	1726	65.90	1	3
44. 0	CMwbTLQ	*	150	113	.6	770	1661	65.90	1	3
48. 0	CMwbRQ	*	150	94	.6	217	1394	65.90	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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JOB: S19 Campus & US1 EXAM

RUN: Campus & US1 EXAM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.6	1.0	1.1	.7	1.5	.9	.5	.0	.0	.2	.7	.8	.7	.5	.0	.0	.0	.0	.0	.0
5. *	.6	1.1	.8	.8	1.4	.9	.4	.0	.0	.1	.6	.6	.5	.5	.1	.0	.0	.0	.0	.0
10. *	.7	1.0	.9	.8	1.1	.9	.3	.0	.0	.0	.5	.5	.6	.5	.1	.1	.1	.0	.0	.0
15. *	.8	.8	.8	.8	1.1	.8	.2	.0	.0	.0	.5	.6	.6	.5	.4	.2	.4	.4	.0	.0
20. *	.9	1.0	.9	1.0	1.1	.7	.3	.0	.0	.0	.2	.3	.4	.5	.4	.6	.4	.4	.0	.0
25. *	.5	.5	.9	.7	1.1	.7	.3	.0	.0	.0	.1	.2	.2	.4	.4	.7	.5	.5	.0	.0
30. *	.2	.2	.6	.7	1.0	.6	.3	.0	.0	.0	.1	.2	.2	.2	.6	.8	.8	.8	.0	.0
35. *	.2	.3	.4	.6	1.0	.5	.3	.0	.0	.0	.0	.1	.1	.1	.6	.9	.9	1.0	.2	.0
40. *	.1	.3	.4	.7	1.0	.4	.3	.0	.0	.0	.0	.1	.1	.1	.6	1.1	1.1	1.4	.2	.0
45. *	.2	.3	.5	.9	1.0	.4	.3	.0	.0	.0	.0	.1	.1	.1	.7	1.1	1.5	1.6	.4	.0
50. *	.1	.2	.5	.9	1.0	.4	.2	.0	.0	.0	.0	.0	.1	.1	.7	1.2	1.5	1.6	.5	.2
55. *	.1	.2	.5	.9	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.7	1.3	1.5	1.7	.7	.2
60. *	.1	.2	.5	1.0	.9	.4	.3	.0	.0	.0	.0	.0	.0	.0	.9	1.3	1.6	1.6	.8	.3
65. *	.1	.1	.5	1.0	.9	.4	.3	.0	.0	.0	.0	.0	.0	.0	.9	1.3	1.5	1.3	.8	.3
70. *	.0	.1	.5	.8	.8	.4	.3	.0	.0	.0	.0	.0	.0	.0	.8	1.2	1.5	1.3	.8	.4
75. *	.0	.1	.4	.8	.8	.3	.3	.0	.0	.0	.0	.0	.0	.0	.9	1.2	1.5	1.3	.5	.4
80. *	.0	.0	.3	.8	.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	.8	1.1	1.5	1.1	.5	.5
85. *	.0	.0	.2	.8	.7	.3	.3	.0	.0	.0	.0	.0	.0	.0	.8	1.1	1.4	1.0	.4	.5
90. *	.0	.0	.2	.7	.6	.3	.4	.0	.0	.0	.0	.0	.0	.0	.8	1.1	1.4	.8	.5	.6
95. *	.0	.0	.0	.6	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.4	.7	.5	.7
100. *	.0	.0	.0	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.5	.7	.5	.6
105. *	.0	.0	.0	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.5	.8	.5	.8
110. *	.0	.0	.0	.2	.4	.4	.3	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.5	.7	.7	.8
115. *	.0	.0	.0	.1	.2	.4	.4	.0	.0	.0	.1	.0	.0	.0	.9	1.1	1.5	.9	.7	.9
120. *	.0	.0	.0	.1	.3	.2	.3	.0	.0	.2	.2	.0	.0	.0	.9	1.1	1.5	.8	.7	.8
125. *	.0	.0	.0	.1	.2	.2	.3	.0	.1	.3	.4	.0	.0	.0	.9	1.3	1.6	.9	.8	.7
130. *	.0	.0	.0	.0	.1	.2	.2	.1	.2	.5	.6	.0	.0	.0	.9	1.3	1.5	.9	1.0	.7
135. *	.0	.0	.0	.0	.1	.2	.2	.3	.2	.6	.8	.0	.0	.0	.9	1.4	1.6	1.0	.8	1.0
140. *	.0	.0	.0	.0	.1	.0	.1	.3	.3	.7	1.1	.1	.0	.0	1.0	1.5	1.8	1.0	.7	.9
145. *	.0	.0	.0	.0	.1	.0	.1	.3	.4	.8	1.3	.1	.0	.0	1.0	1.6	1.8	.7	.6	.8
150. *	.0	.0	.0	.0	.0	.0	.1	.4	.4	1.0	1.4	.2	.0	.0	1.1	1.6	1.8	.6	.6	.8
155. *	.0	.0	.0	.0	.0	.0	.0	.4	.4	1.1	1.5	.3	.1	.0	1.3	1.7	1.6	.7	.6	.8
160. *	.0	.0	.0	.0	.0	.0	.0	.4	.4	1.2	1.5	.5	.1	.0	1.4	2.0	1.6	.6	.7	.7
165. *	.0	.0	.0	.0	.0	.0	.0	.4	.5	1.2	1.4	.5	.1	.1	1.5	2.1	1.5	.7	.8	.6
170. *	.0	.0	.0	.0	.0	.0	.0	.4	.4	1.2	1.3	.5	.2	.1	1.7	2.1	1.4	.8	.8	.6
175. *	.0	.0	.0	.0	.0	.0	.0	.4	.6	1.3	1.2	.5	.3	.1	1.7	2.0	1.2	1.0	.9	.6
180. *	.0	.0	.0	.0	.0	.0	.0	.4	.6	1.3	1.0	.5	.4	.2	1.9	1.9	1.2	.9	.9	.6
185. *	.0	.0	.0	.0	.0	.0	.0	.4	.7	1.3	.8	.6	.5	.3	1.8	1.8	1.1	.8	.7	.6
190. *	.0	.0	.0	.0	.0	.0	.0	.4	.8	1.3	.6	.5	.5	.2	1.8	1.4	1.1	.8	.8	.4

195.	*	.0	.0	.0	.0	.0	.0	.0	.3	.9	1.3	.5	.5	.5	.3	1.5	1.3	1.1	.9	.7	.4
200.	*	.0	.0	.0	.0	.0	.0	.0	.3	1.0	1.3	.8	.6	.5	.5	1.2	1.1	.7	.9	.6	.4
205.	*	.2	.2	.2	.2	.0	.0	.0	.3	1.0	1.3	.6	.6	.5	.5	1.0	.9	.7	.6	.7	.3

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JOB: S19 Campus &amp; US1 EXAM

RUN: Campus &amp; US1 EXAM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.2	.3	.3	.2	.0	.0	.0	.3	1.1	1.2	.8	.5	.5	.8	.9	.7	.5	.5	.7	.3
215.	*	.2	.3	.5	.2	.1	.0	.0	.3	1.2	1.4	.8	.7	.7	.8	.5	.7	.4	.4	.5	.3
220.	*	.4	.4	.6	.5	.1	.0	.0	.3	1.3	1.5	.9	.6	.9	.9	.4	.4	.4	.5	.4	.4
225.	*	.4	.3	.7	.6	.1	.1	.0	.4	1.3	1.6	.9	.6	1.1	1.0	.1	.1	.2	.4	.5	.5
230.	*	.4	.3	.6	.8	.1	.1	.0	.5	1.3	1.6	.9	.7	1.2	1.0	.0	.0	.2	.3	.4	.5
235.	*	.4	.3	.7	.8	.2	.1	.1	.5	1.4	1.8	.8	.8	1.2	1.1	.0	.0	.2	.3	.3	.5
240.	*	.4	.3	.7	.9	.2	.1	.1	.5	1.5	1.7	.7	1.1	1.3	.9	.0	.0	.1	.4	.4	.5
245.	*	.3	.3	.7	.9	.2	.1	.1	.4	1.5	1.9	.6	1.0	1.2	.9	.0	.0	.1	.4	.5	.6
250.	*	.3	.3	.7	.9	.2	.1	.1	.5	1.5	1.8	.7	1.1	1.1	.8	.0	.0	.1	.2	.5	.5
255.	*	.3	.3	.7	.7	.3	.2	.1	.7	1.6	1.8	.6	1.0	1.1	.7	.0	.0	.0	.3	.5	.5
260.	*	.3	.4	.7	.6	.3	.2	.1	.8	1.6	1.7	.6	1.1	1.0	.7	.0	.0	.0	.3	.5	.5
265.	*	.3	.5	.8	.5	.3	.2	.1	1.0	1.4	1.6	.6	1.1	1.0	.7	.0	.0	.0	.3	.4	.5
270.	*	.3	.5	.8	.5	.3	.3	.2	1.0	1.3	1.5	.6	1.2	.9	.7	.0	.0	.0	.1	.3	.3
275.	*	.3	.4	.9	.6	.3	.3	.2	1.1	1.3	1.4	.3	1.2	.9	.6	.0	.0	.0	.1	.3	.3
280.	*	.2	.4	1.0	.5	.5	.4	.2	.9	1.1	1.0	.3	1.2	.8	.6	.0	.0	.0	.0	.1	.2
285.	*	.3	.5	1.0	.4	.5	.4	.3	1.0	1.0	.9	.3	1.2	.8	.6	.0	.0	.0	.0	.1	.1
290.	*	.3	.5	1.1	.3	.5	.3	.2	.9	.8	.9	.4	1.1	.8	.6	.0	.0	.0	.0	.0	.1
295.	*	.2	.6	1.2	.4	.4	.4	.2	.7	.6	.8	.4	1.1	.7	.6	.0	.0	.0	.0	.0	.0
300.	*	.3	.6	1.4	.4	.5	.4	.3	.7	.7	.7	.5	1.1	.7	.6	.0	.0	.0	.0	.0	.0
305.	*	.3	.7	1.4	.5	.5	.4	.5	.6	.7	.5	.5	1.2	.7	.5	.0	.0	.0	.0	.0	.0
310.	*	.2	.7	1.4	.5	.4	.5	.6	.3	.5	.5	.5	1.2	.7	.5	.0	.0	.0	.0	.0	.0
315.	*	.2	.6	1.4	.5	.6	.7	.8	.3	.3	.5	.7	1.1	.7	.5	.0	.0	.0	.0	.0	.0
320.	*	.3	.8	1.4	.5	.7	.9	.9	.2	.3	.5	.8	1.1	.7	.5	.0	.0	.0	.0	.0	.0
325.	*	.3	.9	1.2	.6	.8	1.2	1.1	.2	.3	.5	.9	1.1	.6	.4	.0	.0	.0	.0	.0	.0
330.	*	.3	.9	1.4	.6	.7	1.4	.9	.2	.3	.5	.9	1.0	.6	.4	.0	.0	.0	.0	.0	.0
335.	*	.3	.9	1.3	.5	1.1	1.3	.9	.1	.3	.5	1.0	1.0	.6	.4	.0	.0	.0	.0	.0	.0
340.	*	.5	1.0	1.1	.6	1.2	1.4	.8	.0	.2	.4	1.0	1.0	.6	.4	.0	.0	.0	.0	.0	.0
345.	*	.5	1.0	1.0	.8	1.3	1.4	.5	.0	.2	.4	1.0	.9	.6	.4	.0	.0	.0	.0	.0	.0
350.	*	.6	1.0	1.1	.8	1.3	1.4	.5	.0	.0	.4	.9	.7	.5	.5	.0	.0	.0	.0	.0	.0
355.	*	.8	.9	1.0	.7	1.5	1.0	.5	.0	.0	.3	.9	.7	.6	.4	.0	.0	.0	.0	.0	.0
360.	*	.6	1.0	1.1	.7	1.5	.9	.5	.0	.0	.2	.7	.8	.7	.5	.0	.0	.0	.0	.0	.0
MAX	*	.9	1.1	1.4	1.0	1.5	1.4	1.1	1.1	1.6	1.9	1.5	1.2	1.3	1.1	1.9	2.1	1.8	1.7	1.0	1.0
DEGR.	*	20	5	300	20	0	330	325	275	255	245	155	270	240	235	180	165	140	55	130	135

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JOB: S19 Campus &amp; US1 EXAM

RUN: Campus &amp; US1 EXAM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE *	(PPM)								
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	
0.	*	.0	.3	.2	.2	.6	.3	.2	.0
5.	*	.0	.3	.2	.2	.5	.4	.2	.1
10.	*	.0	.3	.3	.2	.5	.4	.3	.1
15.	*	.0	.3	.3	.2	.4	.5	.3	.2
20.	*	.0	.2	.2	.3	.6	.7	.5	.2
25.	*	.0	.2	.2	.3	.6	.8	.9	.3
30.	*	.0	.1	.2	.4	.7	.8	.8	.4
35.	*	.0	.1	.2	.7	.8	1.0	1.0	.6
40.	*	.0	.2	.2	.9	.7	.9	.9	.6
45.	*	.0	.2	.3	.9	.6	1.0	.8	.7
50.	*	.0	.3	.5	1.0	.7	.8	1.0	.7
55.	*	.0	.4	.7	1.0	.6	1.1	1.0	.7
60.	*	.2	.5	.7	1.1	.8	1.1	1.0	.5
65.	*	.4	.5	.6	1.0	.5	1.2	.9	.5
70.	*	.4	.4	.6	1.2	.5	1.3	.8	.6
75.	*	.4	.2	.5	1.0	.6	1.2	.8	.5
80.	*	.5	.3	.6	1.1	.6	1.1	.8	.4
85.	*	.6	.3	.5	.9	.6	.9	.5	.4
90.	*	.6	.4	.5	.9	.7	.8	.4	.4
95.	*	.5	.3	.5	.8	.7	.8	.4	.4
100.	*	.7	.2	.5	.5	.6	.7	.4	.4
105.	*	.8	.2	.5	.5	.7	.6	.4	.4
110.	*	.8	.2	.3	.5	.7	.6	.4	.4
115.	*	.9	.2	.3	.3	.7	.7	.5	.4
120.	*	.7	.1	.2	.3	.8	.6	.5	.4
125.	*	.7	.1	.2	.3	.8	.6	.4	.4
130.	*	.9	.1	.2	.3	.8	.6	.4	.4
135.	*	.8	.1	.1	.3	.7	.5	.4	.3
140.	*	.6	.1	.1	.2	.7	.4	.4	.3
145.	*	.6	.1	.1	.2	.6	.4	.4	.4
150.	*	.6	.1	.1	.2	.6	.5	.5	.4

155.	*	.5	.1	.1	.1	.6	.5	.5	.4
160.	*	.4	.1	.1	.1	.6	.5	.5	.4
165.	*	.5	.1	.1	.1	.5	.5	.5	.4
170.	*	.5	.1	.1	.1	.4	.5	.5	.4
175.	*	.4	.1	.1	.1	.4	.6	.5	.5
180.	*	.4	.1	.1	.1	.3	.6	.6	.5
185.	*	.4	.1	.1	.1	.3	.6	.6	.5
190.	*	.4	.0	.1	.1	.3	.5	.7	.5
195.	*	.3	.0	.1	.1	.3	.6	.7	.5
200.	*	.4	.0	.0	.1	.3	.5	.7	.3
205.	*	.4	.0	.0	.1	.2	.5	.5	.3

1

JOB: S19 Campus & US1 EXAM

RUN: Campus & US1 EXAM

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WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.4	.0	.0	.0	.2	.4	.4	.2
215.	*	.4	.0	.0	.0	.1	.3	.3	.1
220.	*	.4	.0	.0	.0	.1	.2	.2	.1
225.	*	.4	.0	.0	.0	.0	.1	.2	.0
230.	*	.5	.0	.0	.0	.0	.1	.1	.0
235.	*	.5	.0	.0	.0	.0	.1	.1	.0
240.	*	.5	.0	.0	.0	.0	.0	.1	.0
245.	*	.5	.0	.0	.0	.0	.0	.0	.0
250.	*	.5	.0	.0	.0	.0	.0	.0	.0
255.	*	.3	.0	.0	.0	.0	.0	.0	.0
260.	*	.3	.2	.0	.1	.0	.0	.0	.0
265.	*	.2	.2	.0	.1	.0	.0	.0	.0
270.	*	.1	.2	.1	.1	.0	.0	.0	.0
275.	*	.1	.2	.2	.1	.0	.0	.0	.0
280.	*	.1	.2	.2	.2	.0	.0	.0	.0
285.	*	.1	.2	.1	.2	.2	.0	.0	.0
290.	*	.0	.2	.2	.2	.2	.0	.0	.0
295.	*	.0	.2	.2	.2	.3	.0	.0	.0
300.	*	.0	.2	.2	.2	.3	.0	.0	.0
305.	*	.0	.2	.2	.2	.5	.0	.0	.0
310.	*	.0	.1	.2	.2	.6	.1	.0	.0
315.	*	.0	.2	.2	.2	.5	.1	.0	.0
320.	*	.0	.2	.2	.2	.6	.1	.0	.0
325.	*	.0	.2	.2	.3	.6	.0	.0	.0
330.	*	.0	.2	.2	.3	.6	.1	.0	.0
335.	*	.0	.2	.2	.2	.6	.2	.0	.0
340.	*	.0	.2	.2	.2	.6	.2	.0	.0
345.	*	.0	.3	.2	.2	.6	.2	.0	.0
350.	*	.0	.3	.2	.2	.7	.3	.1	.0
355.	*	.0	.3	.2	.2	.6	.3	.2	.0
360.	*	.0	.3	.2	.2	.6	.3	.2	.0
MAX	*	.9	.5	.7	1.2	.8	1.3	1.0	.7
DEGR.	*	115	60	55	70	35	70	35	45

THE HIGHEST CONCENTRATION IS 2.10 PPM AT 165 DEGREES FROM REC16.  
 THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 245 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 180 DEGREES FROM REC15.

S19 Campus & US1 EXPM				60.0321.0.0000.000280.30480000	1	1	
SE MID S	1016.	704.	5.0				
SE 164 S	1052.	778.	5.0				
SE 82 S	1086.	852.	5.0				
SE CNR	1139.	918.	5.0				
SE 82 E	1218.	892.	5.0				
SE 164 E	1289.	850.	5.0				
SE MID E	1359.	807.	5.0				
NE MID E	1401.	916.	5.0				
NE 164 E	1330.	961.	5.0				
NE 82 E	1262.	1001.	5.0				
NE CNR	1190.	1057.	5.0				
NE 82 N	1215.	1145.	5.0				
NE 164 N	1248.	1219.	5.0				
NE MID N	1283.	1293.	5.0				
NW MID N	1179.	1327.	5.0				
NW 164 N	1142.	1254.	5.0				
NW 82 N	1105.	1181.	5.0				
NW CNR	1066.	1108.	5.0				
NW 82 W	983.	1094.	5.0				
NW 164 W	902.	1094.	5.0				
NW MID W	820.	1092.	5.0				
SW MID W	728.	960.	5.0				
SW 164 W	810.	963.	5.0				
SW 82 W	892.	969.	5.0				
SW CNR	977.	945.	5.0				
SW 82 S	959.	857.	5.0				
SW 164 S	924.	783.	5.0				
SW MID S	876.	716.	5.0				
Campus & US1 EXPM		53	1	0			
1							
0	US1nbAP	AG	655.	112.	798.	406.	1691 6.0 0 44 30.
1							
0	US1nbAP	AG	798.	406.	942.	647.	1691 6.0 0 44 30.
1							
0	US1nbAP	AG	942.	647.	1009.	772.	1691 6.0 0 44 30.
1							
0	US1nbT	AG	1008.	772.	1124.	1009.	1152 6.0 0 44 30.
2							
0	US1nbTQ	AG	1075.	909.	1026.	808.	0. 24 2
150		79	6	1152	65.9	1684 1 3	
1							
0	US1nbL	AG	981.	776.	1092.	1003.	150 6.0 0 44 30.
2							
0	US1nbLQ	AG	1051.	919.	996.	806.	0. 24 2
150		131	5	150	65.9	1717 1 3	
1							
0	US1nbR	AG	1022.	756.	1118.	955.	389 6.0 0 32 30.
2							
0	US1nbRQ	AG	1092.	901.	1036.	785.	0. 12 1
150		79	6	389	65.9	1583 1 3	
1							
0	US1nbD	AG	1125.	1010.	1325.	1430.	1857 6.0 0 44 30.
1							
0	US1nbD	AG	1325.	1430.	1401.	1631.	1857 6.0 0 44 30.
1							
0	US1nbD	AG	1401.	1631.	1488.	1926.	1857 6.0 0 44 30.
1							
0	US1sbAP	AG	1443.	1894.	1339.	1601.	1708 6.0 0 44 30.
1							
0	US1sbAP	AG	1339.	1601.	1279.	1462.	1708 6.0 0 44 30.
1							
0	US1sbT	AG	1279.	1462.	1069.	1021.	1011 6.0 0 44 30.
2							
0	US1sbTQ	AG	1111.	1110.	1241.	1382.	0. 24 2
150		72	6	1011	65.9	1770 1 3	
1							
0	US1sbL	AG	1299.	1450.	1090.	1015.	374 6.0 0 44 30.
2							
0	US1sbLQ	AG	1130.	1099.	1261.	1370.	0. 24 2
150		123	5	374	65.9	1717 1 3	
1							
0	US1sbR	AG	1259.	1459.	1055.	1038.	323 6.0 0 32 30.
2							
0	US1sbRQ	AG	1094.	1118.	1223.	1384.	0. 12 1
150		72	6	323	65.9	1583 1 3	
1							
0	US1sbD	AG	1068.	1020.	624.	131.	1303 6.0 0 44 30.
1							
0	CMebA	AG	121.	788.	376.	896.	492 8.8 0 44 30.
1							
0	CMebTL	AG	375.	897.	608.	964.	622 8.8 0 44 30.
1							
0	CMebTL	AG	608.	964.	743.	984.	622 8.8 0 44 30.
1							
0	CMebTL	AG	744.	982.	1049.	996.	622 8.8 0 44 30.
2							
0	CMebTLQ	AG	993.	993.	754.	983.	0. 24 2
150		109	6	622	65.9	1726 1 3	
1							
0	CMebR	AG	456.	912.	776.	925.	136 8.8 0 32 30.
1							
0	CMebR	AG	776.	925.	866.	877.	136 8.8 0 32 30.
1							
0	CMebR	AG	866.	877.	904.	809.	136 8.8 0 32 30.



0	1	CMebR	AG	904.	809.	909.	713.	136	8.8	0	32	30.
0	1	CMebD	AG	1046.	994.	1170.	944.	1078	8.8	0	44	30.
0	1	CMebD	AG	1170.	944.	1373.	828.	1078	8.8	0	44	30.
0	1	CMebD	AG	1373.	828.	1510.	701.	1078	8.8	0	44	30.
0	1	CMebD	AG	1510.	701.	1597.	577.	1078	8.8	0	44	30.
0	1	CMebD	AG	1597.	577.	1659.	437.	1078	8.8	0	44	30.
0	1	CMebD	AG	1659.	437.	1699.	319.	1078	8.8	0	44	30.
0	1	CMebD	AG	1699.	319.	1714.	179.	1078	8.8	0	44	30.
0	1	CMwbA	AG	1736.	233.	1714.	361.	776	8.8	0	44	30.
0	1	CMwbA	AG	1714.	361.	1641.	569.	776	8.8	0	44	30.
0	1	CMwbA	AG	1641.	569.	1581.	691.	776	8.8	0	44	30.
0	1	CMwbTL	AG	1569.	689.	1464.	803.	378	8.8	0	56	30.
0	1	CMwbTL	AG	1464.	803.	1363.	886.	378	8.8	0	56	30.
0	1	CMwbTL	AG	1363.	886.	1103.	1040.	378	8.8	0	56	30.
0	2	CMwbTLQ	AG	1183.	992.	1357.	889.	0.	36	3		
		150		128	6	378	65.9	1659	1	3		
0	1	CMwbR	AG	1581.	705.	1486.	813.	398	8.8	0	44	30.
0	1	CMwbR	AG	1486.	813.	1375.	908.	398	8.8	0	44	30.
0	1	CMwbR	AG	1375.	908.	1119.	1057.	398	8.8	0	44	30.
0	2	CMwbRQ	AG	1191.	1015.	1372.	910.	0.	24	2		
		150		112	6	398	65.9	1394	1	3		
0	1	CMwbD	AG	1104.	1037.	957.	1069.	695	8.8	0	44	30.
0	1	CMwbD	AG	957.	1069.	832.	1071.	695	8.8	0	44	30.
0	1	CMwbD	AG	832.	1071.	672.	1030.	695	8.8	0	44	30.
0	1	CMwbD2	AG	666.	1021.	295.	886.	428	8.8	0	32	30.
0	1	CMwbD2	AG	295.	886.	109.	808.	428	8.8	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S19 Campus & US1 EXPM  
DATE: 12/06/2007 TIME: 11:32:16.80

RUN: Campus & US1 EXPM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	1691.	6.0	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	1691.	6.0	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	1691.	6.0	.0	44.0	
4. 0	US1nbT	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	1152.	6.0	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	966.4	685.1	*	249.	206. AG	186.	100.0	.0	24.0	.75 12.6
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	150.	6.0	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1027.5	870.7	*	54.	206. AG	309.	100.0	.0	24.0	.40 2.7
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	389.	6.0	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1018.9	749.7	*	168.	206. AG	93.	100.0	.0	12.0	.54 8.5
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	1857.	6.0	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	1857.	6.0	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	1857.	6.0	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	1708.	6.0	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	1708.	6.0	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1011.	6.0	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1196.7	1289.4	*	199.	26. AG	170.	100.0	.0	24.0	.57 10.1
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	374.	6.0	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1184.9	1212.7	*	126.	26. AG	290.	100.0	.0	24.0	.67 6.4
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	323.	6.0	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1149.5	1232.4	*	127.	26. AG	85.	100.0	.0	12.0	.41 6.5
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	1303.	6.0	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	492.	8.8	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	622.	8.8	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	622.	8.8	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	622.	8.8	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	807.8	985.3	*	185.	268. AG	257.	100.0	.0	24.0	.71 9.4
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	136.	8.8	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	136.	8.8	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	136.	8.8	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	136.	8.8	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	1078.	8.8	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	1078.	8.8	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	1078.	8.8	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	1078.	8.8	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	1078.	8.8	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	1078.	8.8	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	1078.	8.8	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	776.	8.8	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	776.	8.8	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	776.	8.8	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	378.	8.8	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	378.	8.8	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	378.	8.8	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1258.9	947.1	*	88.	121. AG	453.	100.0	.0	36.0	.59 4.5

JOB: S19 Campus & US1 EXPM  
DATE: 12/06/2007 TIME: 11:32:16.80

RUN: Campus & US1 EXPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	398.	8.8	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	398.	8.8	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	398.	8.8	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	1296.4	953.8	*	122.	120. AG	264.	100.0	.0	24.0	.61 6.2
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	695.	8.8	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	695.	8.8	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	695.	8.8	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	428.	8.8	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	428.	8.8	.0	32.0	

JOB: S19 Campus & US1 EXPM  
DATE: 12/06/2007 TIME: 11:32:16.80

RUN: Campus & US1 EXPM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	79	.6	1152	1684	65.90	1	3
7. 0	US1nbLQ	150	131	.5	150	1717	65.90	1	3
9. 0	US1nbRQ	150	79	.6	389	1583	65.90	1	3
16. 0	US1sbTQ	150	72	.6	1011	1770	65.90	1	3
18. 0	US1sbLQ	150	123	.5	374	1717	65.90	1	3

20. 0	US1sbRQ	*	150	72	.6	323	1583	65.90	1	3
26. 0	CMebTLQ	*	150	109	.6	622	1726	65.90	1	3
44. 0	CMwbTLQ	*	150	128	.6	378	1659	65.90	1	3
48. 0	CMwbRQ	*	150	112	.6	398	1394	65.90	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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JOB: S19 Campus & US1 EXPM

RUN: Campus & US1 EXPM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.2	1.3	1.3	1.0	1.8	.9	.4	.0	.1	.1	.8	.8	.6	.8	.0	.0	.0	.0	.0	.0
5. *	.9	1.5	1.1	1.0	1.7	.9	.4	.0	.0	.1	.8	.7	.6	.8	.0	.0	.0	.0	.0	.0
10. *	1.3	1.6	1.1	.9	1.6	.6	.4	.0	.0	.1	.7	.7	.9	.8	.0	.0	.0	.0	.0	.0
15. *	1.3	1.3	.9	1.0	1.6	.6	.4	.0	.0	.1	.5	.6	.6	.9	.1	.1	.2	.1	.0	.0
20. *	1.2	1.4	1.0	1.0	1.4	.6	.4	.0	.0	.0	.3	.6	.6	.8	.4	.2	.3	.4	.0	.0
25. *	.7	1.0	.8	.9	1.4	.5	.4	.0	.0	.0	.2	.5	.6	.6	.4	.2	.4	.4	.0	.0
30. *	.6	.8	.8	.9	1.3	.4	.4	.0	.0	.0	.2	.4	.5	.4	.6	.3	.6	.7	.0	.0
35. *	.5	.6	.6	1.1	1.2	.4	.6	.0	.0	.0	.1	.3	.3	.4	.7	.6	.7	1.0	.0	.0
40. *	.3	.3	.6	1.1	1.0	.4	.5	.0	.0	.0	.1	.2	.2	.2	.5	.6	.9	1.1	.3	.0
45. *	.2	.4	.6	1.1	.9	.4	.5	.0	.0	.0	.0	.1	.2	.1	.6	.6	.9	1.2	.4	.0
50. *	.3	.3	.5	1.0	.9	.4	.5	.0	.0	.0	.0	.1	.1	.1	.5	.7	1.3	1.5	.4	.1
55. *	.2	.3	.4	1.3	.7	.3	.6	.0	.0	.0	.0	.1	.1	.1	.5	.8	1.3	1.6	.6	.3
60. *	.1	.3	.4	1.3	.6	.3	.5	.0	.0	.0	.0	.0	.1	.1	.5	.9	1.4	1.6	.7	.4
65. *	.0	.1	.4	1.1	.5	.3	.5	.0	.0	.0	.0	.0	.1	.1	.5	.9	1.4	1.3	.7	.4
70. *	.0	.1	.3	1.1	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.6	.9	1.5	1.3	.7	.4
75. *	.0	.1	.2	1.0	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.5	.9	1.4	1.3	.5	.4
80. *	.0	.0	.1	.7	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.5	.9	1.5	1.2	.5	.5
85. *	.0	.0	.1	.7	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.5	.9	1.5	1.2	.5	.6
90. *	.0	.0	.1	.6	.4	.6	.4	.0	.0	.0	.0	.0	.0	.0	.5	.9	1.5	1.0	.4	.6
95. *	.0	.0	.1	.4	.4	.5	.4	.0	.0	.0	.0	.0	.0	.0	.5	.9	1.5	.9	.5	.6
100. *	.0	.0	.1	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.5	.9	1.6	.8	.6	.5
105. *	.0	.0	.0	.3	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.5	.9	1.6	.9	.5	.6
110. *	.0	.0	.0	.2	.5	.4	.4	.0	.0	.1	.1	.0	.0	.0	.5	.9	1.6	.8	.6	.5
115. *	.0	.0	.0	.3	.5	.5	.4	.0	.1	.2	.1	.0	.0	.0	.5	1.0	1.6	.9	.7	.6
120. *	.0	.0	.0	.2	.4	.4	.5	.1	.1	.2	.3	.0	.0	.0	.5	1.0	1.6	1.1	.9	.6
125. *	.0	.0	.0	.1	.4	.3	.5	.1	.2	.3	.5	.0	.0	.0	.5	1.0	1.7	1.2	.6	.7
130. *	.0	.0	.0	.1	.3	.2	.4	.1	.2	.4	.7	.0	.0	.0	.5	1.1	1.8	1.1	.6	.7
135. *	.0	.0	.0	.0	.2	.2	.4	.1	.3	.7	1.0	.0	.0	.0	.6	1.1	1.8	1.0	.7	.7
140. *	.0	.0	.0	.0	.1	.2	.3	.1	.3	1.0	1.2	.0	.0	.0	.6	1.2	1.7	1.0	.5	.9
145. *	.0	.0	.0	.0	.1	.1	.1	.3	.4	1.0	1.4	.1	.0	.0	.6	1.5	1.9	1.1	.5	.8
150. *	.0	.0	.0	.0	.1	.0	.1	.3	.2	1.1	1.5	.2	.0	.0	.7	1.6	1.9	1.0	.7	.8
155. *	.0	.0	.0	.0	.1	.0	.1	.3	.4	1.1	1.4	.3	.0	.0	.7	1.6	1.7	.8	.8	.8
160. *	.0	.0	.0	.0	.0	.0	.0	.3	.4	1.1	1.5	.5	.1	.0	1.2	1.8	1.6	.6	.8	.8
165. *	.0	.0	.0	.0	.0	.0	.0	.3	.4	1.3	1.5	.5	.3	.1	1.2	1.9	1.3	.6	.8	.8
170. *	.0	.0	.0	.0	.0	.0	.0	.3	.4	1.4	1.3	.5	.3	.1	1.3	1.9	1.3	.7	.8	.8
175. *	.0	.0	.0	.0	.0	.0	.0	.3	.3	1.5	1.2	.7	.4	.3	1.4	1.8	1.2	.8	.7	.8
180. *	.0	.0	.0	.0	.0	.0	.0	.3	.3	1.5	1.1	.7	.5	.3	1.4	1.5	1.2	.8	.8	.7
185. *	.0	.0	.0	.0	.0	.0	.0	.3	.3	1.5	.9	.7	.4	.4	1.3	1.5	1.2	.9	.7	.7
190. *	.0	.0	.0	.0	.0	.0	.0	.3	.3	1.6	.9	.4	.5	.4	1.4	1.3	1.1	.9	.7	.7

195. \* .0 .0 .3 .0 .0 .0 .0 .4 .3 1.7 .8 .6 .5 .5 1.3 1.3 .9 .7 .7 .7  
 200. \* .1 .3 .4 .1 .0 .0 .0 .4 .3 1.8 .8 .9 .7 .7 1.2 .9 .6 .7 .7 .6  
 205. \* .1 .4 .9 .2 .0 .0 .0 .3 .3 1.9 .7 .9 .9 .9 .7 .9 .7 .6 .7 .5

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JOB: S19 Campus & US1 EXPM

RUN: Campus & US1 EXPM

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WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.4	.5	1.0	.6	.0	.0	.0	.3	.3	1.9	.9	.9	.9	1.1	.8	.6	.5	.4	.6	.5
215.	*	.5	.7	1.0	.7	.0	.0	.0	.3	.3	2.1	.8	.9	.9	1.1	.4	.6	.3	.5	.6	.5
220.	*	.4	.9	1.2	.8	.2	.0	.0	.3	.3	2.1	.8	1.0	1.2	1.1	.3	.2	.2	.5	.6	.5
225.	*	.6	.9	1.3	.9	.2	.0	.0	.3	.4	2.2	.9	1.0	1.3	1.3	.1	.1	.1	.4	.6	.4
230.	*	.6	1.2	1.3	.9	.2	.1	.0	.2	.7	2.3	.9	1.0	1.3	1.3	.1	.1	.1	.4	.5	.4
235.	*	.5	1.1	1.3	.9	.2	.1	.0	.2	.7	2.6	.9	1.0	1.4	1.2	.0	.1	.1	.4	.5	.4
240.	*	.6	1.0	1.2	.9	.4	.2	.0	.4	.7	2.5	.8	1.2	1.5	1.1	.0	.0	.1	.4	.5	.3
245.	*	.7	1.1	1.2	1.0	.5	.2	.0	.6	.9	2.5	1.0	1.2	1.5	1.0	.0	.0	.1	.4	.5	.3
250.	*	.7	1.1	1.2	1.0	.5	.2	.0	.6	1.2	2.3	1.0	1.1	1.4	.9	.0	.0	.0	.3	.4	.3
255.	*	.7	1.1	1.2	.9	.6	.2	.1	.5	1.4	2.3	1.1	1.1	1.3	.8	.0	.0	.0	.3	.3	.3
260.	*	.7	1.1	1.1	.9	.6	.2	.1	.6	1.7	2.1	.8	1.2	1.1	.7	.0	.0	.0	.2	.3	.3
265.	*	.7	1.0	1.1	.8	.5	.2	.1	.6	1.7	2.0	.8	1.3	1.0	.6	.0	.0	.0	.1	.2	.2
270.	*	.8	1.0	1.2	.7	.6	.4	.1	.7	1.8	1.7	.7	1.3	1.0	.6	.0	.0	.0	.0	.1	.2
275.	*	.8	1.0	1.2	.8	.6	.5	.2	.7	1.7	1.6	.7	1.3	.8	.6	.0	.0	.0	.0	.1	.2
280.	*	.8	1.1	1.3	.8	.7	.6	.2	.9	1.8	1.3	.6	1.3	.8	.6	.0	.0	.0	.0	.1	.1
285.	*	.8	1.0	1.4	.7	.7	.6	.3	.9	1.7	1.1	.5	1.3	.8	.5	.0	.0	.0	.0	.0	.1
290.	*	.8	1.0	1.5	.7	.7	.6	.4	.7	1.4	.8	.5	1.3	.7	.5	.0	.0	.0	.0	.0	.0
295.	*	.8	1.0	1.4	.7	.6	.6	.4	.7	1.1	.8	.6	1.3	.7	.5	.0	.0	.0	.0	.0	.0
300.	*	.8	1.0	1.7	.6	.7	.6	.5	.8	.9	.6	.7	1.3	.7	.5	.0	.0	.0	.0	.0	.0
305.	*	.8	1.1	1.8	.7	.7	.6	.6	.6	.8	.6	.7	1.3	.7	.5	.0	.0	.0	.0	.0	.0
310.	*	.8	1.1	1.8	.6	.6	.7	.7	.6	.7	.6	.7	1.3	.7	.5	.0	.0	.0	.0	.0	.0
315.	*	.8	1.1	1.8	.5	.6	.9	.8	.5	.5	.5	.9	1.2	.7	.5	.0	.0	.0	.0	.0	.0
320.	*	.9	1.1	1.8	.6	.6	1.0	1.0	.4	.4	.5	1.0	1.1	.6	.5	.0	.0	.0	.0	.0	.0
325.	*	.9	1.2	1.6	.6	.9	1.3	1.1	.3	.3	.5	1.1	1.1	.6	.5	.0	.0	.0	.0	.0	.0
330.	*	.9	1.2	1.6	.5	1.2	1.4	1.3	.1	.3	.5	1.1	1.0	.6	.5	.0	.0	.0	.0	.0	.0
335.	*	.8	1.3	1.4	.6	1.4	1.5	1.1	.1	.3	.5	1.1	1.0	.6	.5	.0	.0	.0	.0	.0	.0
340.	*	.9	1.3	1.3	.6	1.4	1.6	1.0	.1	.1	.4	1.1	1.0	.6	.6	.0	.0	.0	.0	.0	.0
345.	*	1.0	1.4	1.2	.8	1.6	1.5	.8	.1	.1	.4	1.0	1.1	.7	.7	.0	.0	.0	.0	.0	.0
350.	*	1.2	1.4	1.1	.8	1.7	1.1	.5	.0	.1	.4	1.0	1.0	.7	.6	.0	.0	.0	.0	.0	.0
355.	*	1.2	1.3	1.1	.9	1.8	1.0	.3	.0	.1	.1	1.0	.9	.7	.7	.0	.0	.0	.0	.0	.0
360.	*	1.2	1.3	1.3	1.0	1.8	.9	.4	.0	.1	.1	.8	.8	.6	.8	.0	.0	.0	.0	.0	.0
MAX	*	1.3	1.6	1.8	1.3	1.8	1.6	1.3	.9	1.8	2.6	1.5	1.3	1.5	1.3	1.4	1.9	1.9	1.6	.9	.9
DEGR.	*	10	10	305	55	0	340	330	280	270	235	150	265	240	225	175	165	145	55	120	140

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JOB: S19 Campus & US1 EXPM

RUN: Campus & US1 EXPM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

0.	*	.0	.3	.7	1.1	.6	.3	.3	.1
5.	*	.0	.3	.8	1.1	.6	.4	.2	.1
10.	*	.0	.3	.8	1.1	.5	.3	.2	.1
15.	*	.0	.3	.8	1.1	.5	.3	.3	.2
20.	*	.0	.3	1.0	1.1	.6	.7	.3	.2
25.	*	.0	.3	1.0	1.1	.8	.7	.8	.2
30.	*	.0	.3	1.0	1.1	.7	.7	.8	.3
35.	*	.0	.3	1.1	1.1	.8	.9	.9	.6
40.	*	.0	.3	1.1	1.6	.8	.9	.9	.7
45.	*	.0	.3	1.2	1.6	.7	.9	.9	.8
50.	*	.0	.4	1.5	1.6	.7	1.0	1.0	.8
55.	*	.0	.4	1.4	1.7	.6	1.1	1.1	.8
60.	*	.2	.7	1.5	1.7	.7	1.1	1.0	.9
65.	*	.3	.8	1.4	1.6	.8	1.1	1.0	.9
70.	*	.4	.8	1.4	1.5	.7	1.2	.9	.6
75.	*	.4	.8	1.2	1.6	.7	1.3	.9	.5
80.	*	.4	.8	1.1	1.2	.7	1.2	.7	.5
85.	*	.4	.7	1.0	1.1	.8	1.1	.7	.5
90.	*	.4	.6	.9	1.0	.9	.9	.8	.5
95.	*	.5	.4	.8	1.0	.8	.8	.7	.5
100.	*	.5	.4	.7	.9	.8	.7	.7	.4
105.	*	.6	.4	.5	.8	.8	.6	.7	.4
110.	*	.5	.3	.5	.6	.7	.7	.6	.4
115.	*	.5	.2	.3	.5	.7	.7	.6	.4
120.	*	.6	.2	.2	.4	.8	.7	.7	.4
125.	*	.7	.2	.2	.4	.9	.7	.7	.3
130.	*	.9	.2	.2	.4	.9	.6	.7	.4
135.	*	.9	.2	.2	.4	.9	.6	.7	.4
140.	*	.8	.1	.2	.2	.9	.6	.7	.4
145.	*	.8	.1	.2	.2	.8	.8	.7	.3
150.	*	.8	.1	.2	.2	.8	.7	.7	.3

155.	*	.8	.1	.1	.2	.7	.6	.6	.3
160.	*	.8	.1	.1	.3	.7	.6	.5	.3
165.	*	.8	.1	.1	.3	.6	.6	.6	.4
170.	*	.6	.1	.2	.2	.6	.6	.6	.5
175.	*	.6	.1	.1	.1	.5	.6	.6	.5
180.	*	.6	.0	.1	.2	.4	.7	.6	.5
185.	*	.5	.0	.1	.2	.4	.7	.5	.4
190.	*	.4	.0	.1	.1	.5	.7	.5	.5
195.	*	.4	.0	.0	.1	.4	.6	.5	.5
200.	*	.4	.0	.0	.1	.3	.5	.5	.5
205.	*	.3	.0	.0	.0	.2	.5	.5	.3

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JOB: S19 Campus & US1 EXPM

RUN: Campus & US1 EXPM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.2	.0	.0	.0	.1	.3	.4	.2
215.	*	.2	.0	.0	.0	.1	.2	.2	.1
220.	*	.3	.0	.0	.0	.0	.2	.2	.1
225.	*	.3	.0	.0	.0	.0	.1	.1	.0
230.	*	.4	.0	.0	.0	.0	.1	.1	.0
235.	*	.3	.0	.0	.0	.0	.0	.1	.0
240.	*	.3	.1	.0	.1	.0	.0	.0	.0
245.	*	.3	.1	.0	.1	.0	.0	.0	.0
250.	*	.2	.1	.0	.2	.0	.0	.0	.0
255.	*	.2	.2	.1	.2	.0	.0	.0	.0
260.	*	.2	.3	.2	.4	.0	.0	.0	.0
265.	*	.1	.4	.2	.5	.1	.0	.0	.0
270.	*	.1	.4	.2	.6	.2	.0	.0	.0
275.	*	.1	.4	.3	.8	.3	.0	.0	.0
280.	*	.0	.3	.3	1.0	.4	.0	.0	.0
285.	*	.0	.3	.3	1.1	.5	.0	.0	.0
290.	*	.0	.3	.3	1.3	.5	.0	.0	.0
295.	*	.0	.3	.3	1.3	.6	.0	.0	.0
300.	*	.0	.2	.3	1.2	.6	.1	.0	.0
305.	*	.0	.2	.3	1.2	.6	.1	.0	.0
310.	*	.0	.2	.3	1.2	.6	.2	.0	.0
315.	*	.0	.2	.3	1.2	.6	.3	.0	.0
320.	*	.0	.2	.3	1.1	.7	.3	.0	.0
325.	*	.0	.3	.4	1.0	.7	.3	.1	.0
330.	*	.0	.3	.4	1.0	.7	.3	.1	.0
335.	*	.0	.3	.4	1.1	.7	.3	.1	.0
340.	*	.0	.3	.5	1.1	.7	.3	.1	.1
345.	*	.0	.3	.6	1.1	.6	.3	.2	.1
350.	*	.0	.3	.6	1.1	.6	.3	.2	.1
355.	*	.0	.3	.7	1.1	.5	.3	.2	.1
360.	*	.0	.3	.7	1.1	.6	.3	.3	.1

MAX	*	.9	.8	1.5	1.7	.9	1.3	1.1	.9
DEGR.	*	130	80	50	55	90	75	55	60

THE HIGHEST CONCENTRATION IS 2.60 PPM AT 235 DEGREES FROM REC10.

THE 2ND HIGHEST CONCENTRATION IS 1.90 PPM AT 165 DEGREES FROM REC16.

THE 3RD HIGHEST CONCENTRATION IS 1.90 PPM AT 145 DEGREES FROM REC17.

S19 Campus & US1 NB2015AM				60.0321.0.0000.000280.30480000	1	1	
SE MID S	1016.	704.	5.0				
SE 164 S	1052.	778.	5.0				
SE 82 S	1086.	852.	5.0				
SE CNR	1139.	918.	5.0				
SE 82 E	1218.	892.	5.0				
SE 164 E	1289.	850.	5.0				
SE MID E	1359.	807.	5.0				
NE MID E	1401.	916.	5.0				
NE 164 E	1330.	961.	5.0				
NE 82 E	1262.	1001.	5.0				
NE CNR	1190.	1057.	5.0				
NE 82 N	1215.	1145.	5.0				
NE 164 N	1248.	1219.	5.0				
NE MID N	1283.	1293.	5.0				
NW MID N	1179.	1327.	5.0				
NW 164 N	1142.	1254.	5.0				
NW 82 N	1105.	1181.	5.0				
NW CNR	1066.	1108.	5.0				
NW 82 W	983.	1094.	5.0				
NW 164 W	902.	1094.	5.0				
NW MID W	820.	1092.	5.0				
SW MID W	728.	960.	5.0				
SW 164 W	810.	963.	5.0				
SW 82 W	892.	969.	5.0				
SW CNR	977.	945.	5.0				
SW 82 S	959.	857.	5.0				
SW 164 S	924.	783.	5.0				
SW MID S	876.	716.	5.0				
Campus & US1 NB2015AM		53	1	0			
1							
0	US1nbAP	AG	655.	112.	798.	406.	948 3.7 0 44 30.
1							
0	US1nbAP	AG	798.	406.	942.	647.	948 3.7 0 44 30.
1							
0	US1nbAP	AG	942.	647.	1009.	772.	948 3.7 0 44 30.
1							
0	US1nbAP	AG	1008.	772.	1124.	1009.	667 3.7 0 44 30.
2							
0	US1nbTQ	AG	1075.	909.	1026.	808.	0. 24 2
150		84	6	667	37.8	1770 1 3	
1							
0	US1nbL	AG	981.	776.	1092.	1003.	161 3.7 0 44 30.
2							
0	US1nbLQ	AG	1051.	919.	996.	806.	0. 24 2
150		130	5	161	37.8	1717 1 3	
1							
0	US1nbR	AG	1022.	756.	1118.	955.	120 3.7 0 32 30.
2							
0	US1nbRQ	AG	1092.	901.	1036.	785.	0. 12 1
150		84	6	120	37.8	1583 1 3	
1							
0	US1nbd	AG	1125.	1010.	1325.	1430.	1192 3.7 0 44 30.
1							
0	US1nbd	AG	1325.	1430.	1401.	1631.	1192 3.7 0 44 30.
1							
0	US1nbd	AG	1401.	1631.	1488.	1926.	1192 3.7 0 44 30.
1							
0	US1sbAP	AG	1443.	1894.	1339.	1601.	2469 3.7 0 44 30.
1							
0	US1sbAP	AG	1339.	1601.	1279.	1462.	2469 3.7 0 44 30.
1							
0	US1sbT	AG	1279.	1462.	1069.	1021.	1467 3.7 0 44 30.
2							
0	US1sbTQ	AG	1111.	1110.	1241.	1382.	0. 24 2
150		72	6	1467	37.8	1770 1 3	
1							
0	US1sbL	AG	1299.	1450.	1090.	1015.	436 3.7 0 44 30.
2							
0	US1sbLQ	AG	1130.	1099.	1261.	1370.	0. 24 2
150		118	5	436	37.8	1717 1 3	
1							
0	US1sbR	AG	1259.	1459.	1055.	1038.	566 3.7 0 32 30.
2							
0	US1sbRQ	AG	1094.	1118.	1223.	1384.	0. 12 1
150		72	6	566	37.8	1583 1 3	
1							
0	US1sbD	AG	1068.	1020.	624.	131.	2162 3.7 0 44 30.
1							
0	CMebA	AG	121.	788.	376.	896.	190 5.2 0 44 30.
1							
0	CMebTL	AG	375.	897.	608.	964.	219 5.2 0 44 30.
1							
0	CMebTL	AG	608.	964.	743.	984.	219 5.2 0 44 30.
1							
0	CMebTL	AG	744.	982.	1049.	996.	219 5.2 0 44 30.
2							
0	CMebTLQ	AG	993.	993.	754.	983.	0. 24 2
150		127	6	219	37.8	1726 1 3	
1							
0	CMebR	AG	456.	912.	776.	925.	70 5.2 0 32 30.
1							
0	CMebR	AG	776.	925.	866.	877.	70 5.2 0 32 30.
1							
0	CMebR	AG	866.	877.	904.	809.	70 5.2 0 32 30.

[illegible]

JOB: S19 Campus & US1 NB2015AM  
 DATE: 12/11/2007 TIME: 10:13:51.38

RUN: Campus & US1 NB2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	948.	3.7	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	948.	3.7	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	948.	3.7	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	667.	3.7	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	1008.2	771.4	*	153.	206. AG	114.	100.0	.0	24.0	.45 7.8
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	161.	3.7	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1026.1	867.9	*	57.	206. AG	176.	100.0	.0	24.0	.40 2.9
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	120.	3.7	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1068.0	851.4	*	55.	206. AG	57.	100.0	.0	12.0	.18 2.8
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	1192.	3.7	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	1192.	3.7	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	1192.	3.7	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2469.	3.7	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2469.	3.7	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1467.	3.7	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1235.4	1370.4	*	289.	26. AG	97.	100.0	.0	24.0	.82 14.7
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	436.	3.7	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1191.2	1225.6	*	141.	26. AG	160.	100.0	.0	24.0	.65 7.1
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	566.	3.7	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1191.2	1318.5	*	223.	26. AG	49.	100.0	.0	12.0	.71 11.3
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	2162.	3.7	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	190.	5.2	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	219.	5.2	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	219.	5.2	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	219.	5.2	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	917.4	989.8	*	76.	268. AG	172.	100.0	.0	24.0	.47 3.8
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	70.	5.2	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	70.	5.2	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	70.	5.2	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	70.	5.2	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	702.	5.2	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	702.	5.2	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	702.	5.2	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	702.	5.2	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	702.	5.2	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	702.	5.2	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	702.	5.2	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1555.	5.2	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1555.	5.2	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1555.	5.2	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	1103.	5.2	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	1103.	5.2	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	1103.	5.2	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1425.9	848.2	*	282.	121. AG	227.	100.0	.0	36.0	.95 14.3

JOB: S19 Campus & US1 NB2015AM  
 DATE: 12/11/2007 TIME: 10:13:51.38

RUN: Campus & US1 NB2015AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	452.	5.2	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	452.	5.2	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	452.	5.2	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	1287.2	959.2	*	111.	120. AG	122.	100.0	.0	24.0	.42 5.7
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	1205.	5.2	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	1205.	5.2	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	1205.	5.2	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	546.	5.2	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	546.	5.2	.0	32.0	

JOB: S19 Campus & US1 NB2015AM  
 DATE: 12/11/2007 TIME: 10:13:51.38

RUN: Campus & US1 NB2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	84	.6	667	1770	37.80	1	3
7. 0	US1nbLQ	150	130	.5	161	1717	37.80	1	3
9. 0	US1nbRQ	150	84	.6	120	1583	37.80	1	3
16. 0	US1sbTQ	150	72	.6	1467	1770	37.80	1	3
18. 0	US1sbLQ	150	118	.5	436	1717	37.80	1	3



20. 0	US1sbRQ	*	150	72	.6	566	1583	37.80	1	3
26. 0	CMebTLQ	*	150	127	.6	219	1726	37.80	1	3
44. 0	CMwbTLQ	*	150	112	.6	1103	1646	37.80	1	3
48. 0	CMwbRQ	*	150	90	.6	452	1394	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

1

JOB: S19 Campus & US1 NB2015AM

RUN: Campus & US1 NB2015AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.5	.5	.5	.6	.9	.7	.7	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
5. *	.5	.5	.6	.6	.7	.7	.6	.0	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0
10. *	.5	.6	.6	.6	.7	.6	.6	.0	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0
15. *	.5	.4	.6	.7	.7	.6	.6	.0	.0	.0	.4	.3	.2	.4	.1	.1	.1	.0	.0	.0
20. *	.1	.2	.5	.5	.7	.6	.6	.0	.0	.0	.1	.2	.2	.2	.2	.2	.4	.4	.0	.0
25. *	.1	.2	.3	.5	.7	.6	.6	.0	.0	.0	.1	.2	.2	.2	.4	.4	.4	.4	.0	.0
30. *	.2	.1	.2	.5	.7	.6	.7	.0	.0	.0	.1	.1	.1	.1	.4	.4	.4	.5	.0	.0
35. *	.1	.1	.2	.5	.7	.6	.6	.0	.0	.0	.0	.1	.1	.1	.4	.5	.6	.6	.0	.0
40. *	.1	.1	.3	.5	.7	.6	.5	.0	.0	.0	.0	.1	.1	.1	.5	.6	.6	.7	.2	.0
45. *	.1	.1	.4	.6	.7	.6	.5	.0	.0	.0	.0	.1	.1	.1	.5	.6	.7	.9	.2	.0
50. *	.1	.1	.4	.6	.7	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.7	.9	.9	.3	.0
55. *	.1	.1	.4	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.5	.7	1.0	.9	.3	.1
60. *	.1	.1	.3	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.2
65. *	.1	.1	.3	.6	.6	.7	.3	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
70. *	.1	.1	.3	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
75. *	.1	.1	.2	.7	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
80. *	.0	.1	.2	.7	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.6	.3	.3
85. *	.0	.1	.2	.6	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.6	.2	.4
90. *	.0	.0	.1	.5	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.6	.7	.8	.6	.2	.3
95. *	.0	.0	.1	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.9	.5	.2	.3
100. *	.0	.0	.1	.5	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.9	.5	.3	.3
105. *	.0	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.5	.4	.5
110. *	.0	.0	.0	.3	.4	.4	.3	.0	.0	.1	.0	.0	.0	.0	.6	.8	.9	.5	.5	.5
115. *	.0	.0	.0	.2	.3	.2	.3	.0	.0	.2	.1	.0	.0	.0	.6	.8	.9	.6	.6	.5
120. *	.0	.0	.0	.2	.2	.2	.3	.0	.1	.3	.3	.0	.0	.0	.7	.8	.9	.7	.6	.4
125. *	.0	.0	.0	.0	.1	.2	.2	.1	.2	.5	.5	.0	.0	.0	.7	.9	1.0	.8	.5	.5
130. *	.0	.0	.0	.0	.1	.1	.1	.1	.4	.6	.7	.0	.0	.0	.7	.8	1.0	.8	.4	.6
135. *	.0	.0	.0	.0	.1	.0	.1	.2	.5	.7	.8	.1	.0	.0	.7	1.0	1.0	.7	.4	.4
140. *	.0	.0	.0	.0	.0	.0	.1	.4	.6	.9	.8	.1	.0	.0	.7	1.0	1.2	.5	.4	.4
145. *	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	.9	.2	.0	.0	.7	1.0	1.3	.5	.3	.4
150. *	.0	.0	.0	.0	.0	.0	.0	.5	.8	1.0	1.0	.2	.1	.0	.8	1.1	1.3	.5	.3	.4
155. *	.0	.0	.0	.0	.0	.0	.0	.6	.8	1.1	.9	.3	.1	.0	.8	1.1	1.2	.5	.3	.4
160. *	.0	.0	.0	.0	.0	.0	.0	.5	.8	1.1	.8	.4	.1	.1	1.0	1.1	1.1	.4	.4	.4
165. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.8	.4	.1	.1	1.1	1.2	1.0	.4	.6	.4
170. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.2	.8	.4	.2	.1	1.1	1.2	.9	.4	.5	.4
175. *	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.1	.6	.4	.2	.1	1.1	1.1	.6	.4	.5	.4
180. *	.0	.0	.0	.0	.0	.0	.0	.9	.7	1.1	.6	.4	.2	.1	1.2	1.1	.7	.5	.4	.4
185. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.5	.4	.3	.2	1.2	.9	.6	.6	.4	.3
190. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.5	.4	.2	.2	.9	.8	.6	.6	.4	.3

195.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.4	.3	.2	.2	.9	.7	.5	.4	.4	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.3	.4	.2	.3	.8	.6	.5	.3	.4	.2
205.	*	.0	.1	.2	.0	.0	.0	.0	.7	.8	1.1	.5	.3	.3	.4	.6	.5	.4	.4	.4	.2

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JOB: S19 Campus &amp; US1 NB2015AM

RUN: Campus &amp; US1 NB2015AM

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WIND	*	CONCENTRATION																			
ANGLE	*	(PPM)																			
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.2	.2	.2	.0	.0	.0	.7	.8	1.1	.4	.4	.4	.4	.5	.5	.3	.3	.4	.2
215.	*	.2	.2	.2	.2	.0	.0	.0	.7	.8	1.1	.4	.4	.4	.6	.5	.3	.3	.3	.3	.2
220.	*	.2	.2	.4	.2	.1	.0	.0	.8	.8	1.1	.4	.3	.5	.6	.1	.0	.2	.3	.3	.2
225.	*	.3	.2	.4	.4	.1	.0	.0	.9	.9	1.1	.5	.4	.7	.6	.0	.0	.1	.2	.2	.2
230.	*	.3	.2	.4	.4	.1	.1	.0	.9	.9	1.2	.4	.5	.6	.5	.0	.0	.0	.2	.2	.2
235.	*	.2	.2	.4	.6	.1	.1	.0	.9	.9	1.2	.4	.5	.7	.5	.0	.0	.0	.2	.2	.3
240.	*	.2	.2	.5	.6	.2	.1	.0	.9	.9	1.3	.4	.5	.7	.5	.0	.0	.0	.2	.3	.3
245.	*	.2	.3	.5	.6	.2	.1	.0	.9	.8	1.1	.4	.7	.7	.5	.0	.0	.0	.1	.3	.3
250.	*	.2	.3	.5	.5	.2	.1	.0	.8	1.0	1.2	.6	.6	.7	.4	.0	.0	.0	.2	.3	.3
255.	*	.2	.3	.5	.4	.2	.1	.0	1.0	1.0	1.2	.6	.6	.7	.4	.0	.0	.0	.2	.3	.3
260.	*	.2	.3	.6	.4	.3	.2	.0	.9	1.0	1.1	.6	.6	.6	.4	.0	.0	.0	.1	.3	.3
265.	*	.2	.3	.6	.4	.3	.2	.0	1.0	1.1	1.1	.5	.6	.6	.4	.0	.0	.0	.1	.2	.3
270.	*	.2	.3	.7	.4	.3	.2	.0	.9	1.0	.8	.4	.6	.5	.3	.0	.0	.0	.0	.1	.2
275.	*	.2	.3	.7	.3	.3	.2	.0	.8	.9	.7	.3	.6	.4	.3	.0	.0	.0	.0	.1	.2
280.	*	.2	.4	.7	.4	.2	.1	.0	.9	.9	.6	.3	.6	.4	.3	.0	.0	.0	.0	.1	.1
285.	*	.2	.4	.7	.3	.1	.2	.0	.9	.8	.5	.3	.6	.4	.3	.0	.0	.0	.0	.0	.1
290.	*	.2	.4	.8	.3	.2	.1	.1	.7	.6	.4	.2	.7	.5	.4	.0	.0	.0	.0	.0	.0
295.	*	.2	.4	.8	.3	.3	.1	.1	.6	.6	.3	.3	.7	.4	.4	.0	.0	.0	.0	.0	.0
300.	*	.2	.4	.8	.4	.3	.1	.2	.5	.5	.3	.3	.7	.4	.4	.0	.0	.0	.0	.0	.0
305.	*	.2	.5	.9	.4	.2	.2	.3	.4	.4	.4	.4	.6	.3	.3	.0	.0	.0	.0	.0	.0
310.	*	.2	.5	1.0	.4	.2	.4	.5	.3	.3	.2	.4	.6	.3	.3	.0	.0	.0	.0	.0	.0
315.	*	.2	.4	1.0	.4	.3	.5	.6	.0	.2	.2	.5	.6	.3	.3	.0	.0	.0	.0	.0	.0
320.	*	.2	.4	.9	.4	.3	.5	.7	.0	.2	.4	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0
325.	*	.2	.5	.9	.4	.3	.7	.8	.0	.2	.4	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
330.	*	.2	.7	.9	.3	.3	.7	.8	.0	.2	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
335.	*	.2	.7	.7	.3	.5	.9	.7	.0	.1	.4	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0
340.	*	.3	.7	.7	.2	.8	.8	.6	.0	.0	.4	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0
345.	*	.3	.6	.7	.3	1.0	.7	.6	.0	.0	.4	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0
350.	*	.3	.6	.6	.6	1.0	.7	.6	.0	.0	.2	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0
355.	*	.3	.6	.4	.6	.9	.7	.7	.0	.0	.1	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
360.	*	.5	.5	.5	.6	.9	.7	.7	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
MAX	*	.5	.7	1.0	.7	1.0	.9	.8	1.0	1.1	1.3	1.0	.7	.7	.6	1.2	1.2	1.3	.9	.6	.6
DEGR.	*	0	330	310	15	345	335	325	255	265	240	150	245	225	215	180	165	145	45	115	130

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JOB: S19 Campus &amp; US1 NB2015AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.1	.1	.1	.4	.1	.2	.0
5.	*	.0	.1	.1	.1	.3	.2	.2	.0
10.	*	.0	.1	.0	.1	.3	.2	.2	.0
15.	*	.0	.1	.0	.1	.3	.2	.3	.1
20.	*	.0	.1	.1	.1	.3	.3	.2	.1
25.	*	.0	.1	.1	.2	.4	.3	.3	.1
30.	*	.0	.1	.1	.2	.5	.5	.3	.2
35.	*	.0	.1	.1	.1	.6	.5	.5	.2
40.	*	.0	.1	.1	.3	.6	.5	.6	.4
45.	*	.0	.1	.1	.5	.6	.5	.6	.4
50.	*	.0	.0	.1	.8	.5	.4	.7	.5
55.	*	.0	.0	.1	.7	.3	.5	.7	.5
60.	*	.0	.0	.2	.7	.2	.7	.7	.5
65.	*	.0	.0	.2	.6	.3	.7	.5	.5
70.	*	.2	.0	.2	.6	.5	.7	.5	.5
75.	*	.1	.1	.2	.7	.5	.7	.5	.3
80.	*	.2	.1	.3	.6	.5	.6	.5	.3
85.	*	.1	.2	.3	.5	.5	.6	.5	.2
90.	*	.2	.2	.3	.4	.5	.6	.4	.2
95.	*	.4	.1	.3	.4	.5	.5	.4	.3
100.	*	.4	.2	.2	.3	.5	.4	.4	.3
105.	*	.4	.2	.2	.4	.4	.4	.3	.3
110.	*	.4	.1	.1	.3	.5	.4	.3	.2
115.	*	.4	.1	.2	.3	.5	.4	.3	.2
120.	*	.4	.1	.2	.3	.5	.4	.4	.2
125.	*	.5	.1	.1	.3	.5	.4	.4	.2
130.	*	.5	.1	.1	.3	.5	.4	.4	.2
135.	*	.5	.1	.1	.2	.5	.4	.4	.2
140.	*	.4	.1	.1	.2	.5	.4	.4	.2
145.	*	.3	.1	.1	.2	.4	.4	.4	.2
150.	*	.3	.1	.1	.1	.4	.4	.4	.2

155.	*	.3	.1	.1	.1	.4	.4	.4	.2
160.	*	.3	.1	.1	.1	.4	.3	.3	.2
165.	*	.4	.1	.1	.1	.3	.3	.3	.4
170.	*	.3	.1	.1	.1	.3	.3	.3	.4
175.	*	.3	.1	.1	.1	.3	.4	.4	.4
180.	*	.3	.1	.1	.1	.2	.4	.4	.4
185.	*	.3	.0	.1	.1	.2	.4	.4	.3
190.	*	.2	.0	.1	.1	.2	.4	.4	.3
195.	*	.2	.0	.0	.1	.2	.4	.4	.3
200.	*	.2	.0	.0	.1	.2	.4	.4	.3
205.	*	.2	.0	.0	.0	.2	.4	.4	.2

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JOB: S19 Campus & US1 NB2015AM

RUN: Campus & US1 NB2015AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.2	.0	.0	.0	.1	.3	.3	.2
215.	*	.2	.0	.0	.0	.1	.2	.3	.1
220.	*	.3	.0	.0	.0	.0	.2	.2	.1
225.	*	.3	.0	.0	.0	.0	.1	.1	.0
230.	*	.3	.0	.0	.0	.0	.1	.1	.0
235.	*	.3	.0	.0	.0	.0	.0	.1	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.0	.0	.1	.0	.0	.0	.0
280.	*	.0	.0	.0	.1	.0	.0	.0	.0
285.	*	.0	.0	.0	.1	.0	.0	.0	.0
290.	*	.0	.0	.0	.2	.1	.0	.0	.0
295.	*	.0	.0	.0	.2	.1	.0	.0	.0
300.	*	.0	.0	.1	.2	.1	.0	.0	.0
305.	*	.0	.0	.1	.1	.2	.0	.0	.0
310.	*	.0	.0	.1	.1	.2	.0	.0	.0
315.	*	.0	.0	.1	.1	.3	.0	.0	.0
320.	*	.0	.0	.1	.1	.4	.0	.0	.0
325.	*	.0	.1	.1	.0	.4	.0	.0	.0
330.	*	.0	.1	.1	.0	.4	.0	.0	.0
335.	*	.0	.1	.1	.1	.4	.1	.0	.0
340.	*	.0	.1	.1	.1	.4	.1	.0	.0
345.	*	.0	.1	.1	.1	.3	.1	.0	.0
350.	*	.0	.1	.1	.1	.3	.1	.0	.0
355.	*	.0	.1	.1	.1	.3	.1	.0	.0
360.	*	.0	.1	.1	.1	.4	.1	.2	.0

MAX	*	.5	.2	.3	.8	.6	.7	.7	.5
DEGR.	*	125	85	80	50	35	60	50	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 240 DEGREES FROM REC10.  
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 145 DEGREES FROM REC17.  
THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 180 DEGREES FROM REC15.

S19 Campus & US1 NB2015PM				60.0321.0.0000.000280.30480000				1	1
SE MID S		1016.	704.	5.0					
SE 164 S		1052.	778.	5.0					
SE 82 S		1086.	852.	5.0					
SE CNR		1139.	918.	5.0					
SE 82 E		1218.	892.	5.0					
SE 164 E		1289.	850.	5.0					
SE MID E		1359.	807.	5.0					
NE MID E		1401.	916.	5.0					
NE 164 E		1330.	961.	5.0					
NE 82 E		1262.	1001.	5.0					
NE CNR		1190.	1057.	5.0					
NE 82 N		1215.	1145.	5.0					
NE 164 N		1248.	1219.	5.0					
NE MID N		1283.	1293.	5.0					
NW MID N		1179.	1327.	5.0					
NW 164 N		1142.	1254.	5.0					
NW 82 N		1105.	1181.	5.0					
NW CNR		1066.	1108.	5.0					
NW 82 W		983.	1094.	5.0					
NW 164 W		902.	1094.	5.0					
NW MID W		820.	1092.	5.0					
SW MID W		728.	960.	5.0					
SW 164 W		810.	963.	5.0					
SW 82 W		892.	969.	5.0					
SW CNR		977.	945.	5.0					
SW 82 S		959.	857.	5.0					
SW 164 S		924.	783.	5.0					
SW MID S		876.	716.	5.0					
Campus & US1 NB2015PM			53	1	0				
1									
0	US1nbAP	AG	655.	112.	798.	406.	1820	3.7	0 44 30.
1									
0	US1nbAP	AG	798.	406.	942.	647.	1820	3.7	0 44 30.
1									
0	US1nbAP	AG	942.	647.	1009.	772.	1820	3.7	0 44 30.
1									
0	US1nbAP	AG	1008.	772.	1124.	1009.	1247	3.7	0 44 30.
2									
0	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24	2
150	82	6	1247	37.8	1770	1 3			
1									
0	US1nbL	AG	981.	776.	1092.	1003.	152	3.7	0 44 30.
2									
0	US1nbLQ	AG	1051.	919.	996.	806.	0.	24	2
150	131	5	152	37.8	1717	1 3			
1									
0	US1nbR	AG	1022.	756.	1118.	955.	421	3.7	0 32 30.
2									
0	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12	1
150	82	6	421	37.8	1583	1 3			
1									
0	US1nbD	AG	1125.	1010.	1325.	1430.	2457	3.7	0 44 30.
1									
0	US1nbD	AG	1325.	1430.	1401.	1631.	2457	3.7	0 44 30.
1									
0	US1nbD	AG	1401.	1631.	1488.	1926.	2457	3.7	0 44 30.
1									
0	US1sbAP	AG	1443.	1894.	1339.	1601.	1828	3.7	0 44 30.
1									
0	US1sbAP	AG	1339.	1601.	1279.	1462.	1828	3.7	0 44 30.
1									
0	US1sbT	AG	1279.	1462.	1069.	1021.	1095	3.7	0 44 30.
2									
0	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24	2
150	72	6	1095	37.8	1770	1 3			
1									
0	US1sbL	AG	1299.	1450.	1090.	1015.	405	3.7	0 44 30.
2									
0	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24	2
150	121	5	405	37.8	1717	1 3			
1									
0	US1sbR	AG	1259.	1459.	1055.	1038.	328	3.7	0 32 30.
2									
0	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12	1
150	72	6	328	37.8	1583	1 3			
1									
0	US1sbD	AG	1068.	1020.	624.	131.	1585	3.7	0 44 30.
1									
0	CMebA	AG	121.	788.	376.	896.	500	5.2	0 44 30.
1									
0	CMebTL	AG	375.	897.	608.	964.	632	5.2	0 44 30.
1									
0	CMebTL	AG	608.	964.	743.	984.	632	5.2	0 44 30.
1									
0	CMebTL	AG	744.	982.	1049.	996.	632	5.2	0 44 30.
2									
0	CMebTLQ	AG	993.	993.	754.	983.	0.	24	2
150	108	6	632	37.8	1726	1 3			
1									
0	CMebR	AG	456.	912.	776.	925.	138	5.2	0 32 30.
1									
0	CMebR	AG	776.	925.	866.	877.	138	5.2	0 32 30.
1									
0	CMebR	AG	866.	877.	904.	809.	138	5.2	0 32 30.

[illegible]

JOB: S19 Campus & US1 NB2015PM  
 DATE: 12/11/2007 TIME: 13:37:51.97

RUN: Campus & US1 NB2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	1820.	3.7	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	1820.	3.7	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	1820.	3.7	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	1247.	3.7	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	953.1	657.7	*	279.	206. AG	111.	100.0	.0	24.0	.81 14.2
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	152.	3.7	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1027.2	870.1	*	54.	206. AG	177.	100.0	.0	24.0	.40 2.8
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	421.	3.7	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1009.9	731.0	*	189.	206. AG	55.	100.0	.0	12.0	.61 9.6
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	2457.	3.7	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	2457.	3.7	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	2457.	3.7	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	1828.	3.7	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	1828.	3.7	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1095.	3.7	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1203.9	1304.3	*	215.	26. AG	97.	100.0	.0	24.0	.62 10.9
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	405.	3.7	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1188.2	1219.3	*	134.	26. AG	164.	100.0	.0	24.0	.67 6.8
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	328.	3.7	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1150.3	1234.2	*	129.	26. AG	49.	100.0	.0	12.0	.41 6.6
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	1585.	3.7	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	500.	5.2	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	632.	5.2	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	632.	5.2	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	632.	5.2	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	806.5	985.2	*	187.	268. AG	146.	100.0	.0	24.0	.70 9.5
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	138.	5.2	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	138.	5.2	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	138.	5.2	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	138.	5.2	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	1146.	5.2	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	1146.	5.2	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	1146.	5.2	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	1146.	5.2	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	1146.	5.2	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	1146.	5.2	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	1146.	5.2	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1476.	5.2	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1476.	5.2	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1476.	5.2	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	578.	5.2	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	578.	5.2	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	578.	5.2	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1327.6	906.4	*	168.	121. AG	260.	100.0	.0	36.0	.91 8.5

JOB: S19 Campus & US1 NB2015PM  
 DATE: 12/11/2007 TIME: 13:37:51.97

RUN: Campus & US1 NB2015PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	898.	5.2	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	898.	5.2	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	898.	5.2	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	2394.2	317.0	*	1391.	120. AG	149.	100.0	.0	24.0	1.29 70.7
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	706.	5.2	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	706.	5.2	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	706.	5.2	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	435.	5.2	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	435.	5.2	.0	32.0	

JOB: S19 Campus & US1 NB2015PM  
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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	82	.6	1247	1770	37.80	1	3
7. 0	US1nbLQ	150	131	.5	152	1717	37.80	1	3
9. 0	US1nbRQ	150	82	.6	421	1583	37.80	1	3
16. 0	US1sbTQ	150	72	.6	1095	1770	37.80	1	3
18. 0	US1sbLQ	150	121	.5	405	1717	37.80	1	3

20. 0	US1sbRQ	*	150	72	.6	328	1583	37.80	1	3
26. 0	CMebTLQ	*	150	108	.6	632	1726	37.80	1	3
44. 0	CMwbTLQ	*	150	128	.6	578	1645	37.80	1	3
48. 0	CMwbRQ	*	150	110	.6	898	1394	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.8	.9	.6	.7	1.0	1.1	.5	.0	.0	.1	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0
5. *	.8	.8	.7	.8	1.1	1.0	.4	.0	.0	.1	.6	.5	.5	.6	.0	.0	.0	.0	.0	.0
10. *	.8	.8	.7	.7	1.1	1.0	.4	.0	.0	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0
15. *	.6	.6	.6	.7	1.1	1.0	.3	.0	.0	.0	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0
20. *	.5	.5	.6	.7	1.0	1.0	.6	.0	.0	.0	.2	.4	.5	.5	.0	.0	.1	.1	.0	.0
25. *	.5	.6	.5	.6	1.0	.9	.6	.0	.0	.0	.2	.4	.5	.4	.2	.2	.3	.3	.0	.0
30. *	.5	.5	.3	.6	1.0	.9	.6	.0	.0	.0	.1	.3	.4	.4	.4	.2	.4	.5	.0	.0
35. *	.2	.2	.4	.7	1.0	.8	.6	.0	.0	.0	.1	.2	.2	.3	.4	.4	.5	.7	.0	.0
40. *	.2	.2	.2	.7	1.0	.8	.6	.0	.0	.0	.0	.2	.2	.2	.3	.5	.6	.7	.0	.0
45. *	.2	.2	.3	.8	1.0	.7	.6	.0	.0	.0	.0	.1	.1	.1	.3	.5	.6	.7	.2	.0
50. *	.2	.2	.3	.8	1.0	.5	.5	.0	.0	.0	.0	.1	.1	.1	.4	.4	.7	.8	.4	.0
55. *	.2	.2	.4	.9	1.0	.5	.6	.0	.0	.0	.0	.1	.1	.1	.4	.5	.7	.8	.4	.1
60. *	.2	.2	.4	1.0	1.0	.4	.6	.0	.0	.0	.0	.0	.1	.1	.3	.5	.7	.8	.4	.2
65. *	.1	.2	.4	1.0	1.0	.4	.6	.0	.0	.0	.0	.0	.0	.0	.3	.5	.8	.8	.4	.3
70. *	.1	.2	.4	.9	1.0	.5	.6	.0	.0	.0	.0	.0	.0	.0	.3	.5	.8	.8	.4	.3
75. *	.1	.1	.3	.9	.9	.5	.6	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.7	.4	.3
80. *	.1	.1	.3	.9	.8	.5	.6	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.4	.2
85. *	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.3	.2
90. *	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.3	.3
95. *	.1	.1	.1	.6	.6	.4	.4	.1	.0	.0	.0	.0	.0	.0	.2	.4	.8	.4	.4	.4
100. *	.1	.1	.1	.6	.6	.5	.4	.1	.1	.1	.0	.0	.0	.0	.2	.4	.8	.5	.5	.5
105. *	.1	.1	.1	.5	.6	.5	.5	.2	.2	.3	.1	.0	.0	.0	.2	.4	.8	.4	.6	.4
110. *	.0	.1	.1	.4	.5	.5	.5	.3	.4	.4	.2	.0	.0	.0	.2	.4	.8	.7	.6	.4
115. *	.0	.0	.1	.3	.5	.5	.5	.5	.5	.5	.1	.0	.0	.0	.2	.5	.9	.6	.6	.4
120. *	.0	.0	.0	.2	.4	.3	.3	.6	.7	.7	.5	.1	.0	.0	.3	.6	.9	.7	.5	.4
125. *	.0	.0	.0	.2	.3	.3	.3	.7	.8	.9	.7	.1	.1	.0	.3	.6	1.0	.8	.4	.4
130. *	.0	.0	.0	.0	.1	.2	.2	.8	.8	1.0	.7	.2	.1	.1	.4	.6	1.1	.8	.4	.3
135. *	.0	.0	.0	.0	.1	.2	.2	.9	.8	1.1	1.0	.2	.1	.1	.4	.7	1.1	.8	.4	.2
140. *	.0	.0	.0	.0	.1	.0	.1	.9	.8	1.2	1.1	.2	.1	.1	.4	.7	1.1	.7	.3	.3
145. *	.0	.0	.0	.0	.1	.0	.1	.9	1.0	1.3	1.2	.3	.1	.1	.5	.8	1.2	.6	.3	.4
150. *	.0	.0	.0	.0	.0	.0	.1	1.0	1.0	1.4	1.3	.3	.1	.1	.5	.9	1.1	.4	.2	.4
155. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.4	1.2	.4	.1	.1	.6	1.0	1.0	.4	.2	.4
160. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.4	1.1	.5	.2	.1	.9	1.1	1.0	.4	.3	.4
165. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.5	1.0	.5	.2	.1	.9	1.1	.8	.4	.3	.5
170. *	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.5	.9	.4	.3	.3	1.0	1.1	.8	.5	.4	.5
175. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.4	.8	.4	.3	.3	1.0	.9	.6	.6	.4	.4
180. *	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.4	.8	.5	.3	.3	.9	.9	.6	.6	.4	.4
185. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.4	.5	.5	.3	.3	1.0	.8	.6	.5	.4	.4
190. *	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.3	.5	.4	.4	.4	.8	.8	.6	.3	.3	.4

195.	*	.0	.0	.1	.0	.0	.0	.0	.9	1.1	1.3	.5	.5	.4	.4	.6	.6	.5	.3	.3	.3
200.	*	.0	.0	.2	.0	.0	.0	.0	.8	1.3	1.4	.5	.4	.4	.4	.6	.6	.5	.3	.4	.3
205.	*	.1	.3	.4	.1	.0	.0	.0	.8	1.3	1.4	.6	.7	.6	.5	.5	.5	.1	.2	.3	.2

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JOB: S19 Campus & US1 NB2015PM

RUN: Campus & US1 NB2015PM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.2	.5	.7	.3	.0	.0	.0	.9	1.3	1.4	.6	.5	.6	.7	.4	.4	.2	.3	.3	.2
215.	*	.4	.5	.7	.4	.0	.0	.0	.9	1.3	1.4	.7	.6	.6	.8	.1	.1	.2	.3	.3	.2
220.	*	.4	.6	.8	.5	.0	.0	.0	.9	1.3	1.5	.7	.5	.8	.8	.0	.1	.1	.2	.4	.2
225.	*	.4	.7	.9	.5	.2	.0	.0	.8	1.3	1.4	.7	.6	1.0	.8	.0	.1	.1	.2	.4	.2
230.	*	.4	.6	.9	.5	.2	.0	.0	.7	1.3	1.4	.7	.6	.8	.8	.0	.0	.1	.2	.3	.2
235.	*	.5	.7	.8	.6	.2	.0	.0	.7	1.5	1.4	.7	.7	.9	.7	.0	.0	.1	.2	.2	.1
240.	*	.6	.7	.8	.6	.2	.0	.0	1.0	1.5	1.5	.7	.8	.9	.7	.0	.0	.1	.2	.2	.2
245.	*	.6	.7	.8	.6	.2	.1	.0	1.0	1.5	1.6	.6	.9	.9	.7	.0	.0	.0	.2	.2	.2
250.	*	.5	.8	.8	.6	.2	.1	.0	1.1	1.6	1.5	.6	.9	.9	.6	.0	.0	.0	.1	.1	.2
255.	*	.5	.9	.8	.4	.2	.1	.0	1.1	1.5	1.3	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
260.	*	.5	.7	.8	.4	.3	.1	.1	1.3	1.5	1.3	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
265.	*	.5	.7	.8	.4	.4	.1	.1	1.3	1.5	1.2	.5	.8	.7	.5	.0	.0	.0	.0	.1	.2
270.	*	.5	.7	.8	.5	.4	.1	.1	1.4	1.3	1.2	.6	.8	.6	.5	.0	.0	.0	.0	.1	.1
275.	*	.5	.7	.9	.4	.4	.1	.1	1.5	1.3	1.1	.4	.8	.6	.5	.0	.0	.0	.0	.1	.1
280.	*	.5	.6	.9	.4	.5	.1	.0	1.4	1.2	.8	.4	.8	.6	.5	.0	.0	.0	.0	.0	.0
285.	*	.5	.6	.9	.3	.3	.1	.1	1.4	1.1	.8	.4	.8	.6	.4	.0	.0	.0	.0	.0	.0
290.	*	.5	.6	1.0	.3	.4	.2	.1	1.3	1.1	.6	.3	.8	.5	.4	.0	.0	.0	.0	.0	.0
295.	*	.5	.6	.9	.4	.4	.2	.2	1.1	.8	.5	.4	.8	.5	.4	.0	.0	.0	.0	.0	.0
300.	*	.5	.6	.9	.4	.2	.2	.3	.8	.6	.3	.4	.8	.5	.4	.0	.0	.0	.0	.0	.0
305.	*	.5	.6	.9	.4	.3	.3	.3	.6	.6	.4	.5	.8	.5	.4	.0	.0	.0	.0	.0	.0
310.	*	.5	.7	1.0	.3	.3	.3	.6	.5	.4	.3	.5	.8	.5	.4	.0	.0	.0	.0	.0	.0
315.	*	.5	.7	1.0	.4	.3	.5	.7	.3	.4	.4	.6	.8	.5	.4	.0	.0	.0	.0	.0	.0
320.	*	.5	.7	1.0	.3	.4	.7	.9	.3	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
325.	*	.5	.7	1.0	.3	.5	1.0	1.0	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
330.	*	.6	.7	1.0	.3	.5	1.1	1.0	.1	.2	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
335.	*	.7	1.0	.8	.3	.8	1.2	1.0	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
340.	*	.8	1.0	.8	.4	.9	1.2	.9	.1	.1	.3	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
345.	*	.7	.9	.8	.5	1.1	1.2	.8	.0	.1	.3	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
350.	*	.8	.9	.7	.6	1.1	1.2	.6	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
355.	*	.7	.9	.6	.7	1.1	1.1	.6	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
360.	*	.8	.9	.6	.7	1.0	1.1	.5	.0	.0	.1	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0
MAX	*	.8	1.0	1.0	1.0	1.1	1.2	1.0	1.5	1.6	1.6	1.3	.9	1.0	.8	1.0	1.1	1.2	.8	.6	.5
DEGR.	*	0	335	290	60	5	335	330	275	250	245	150	245	225	215	170	160	145	50	105	100

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JOB: S19 Campus & US1 NB2015PM

RUN: Campus & US1 NB2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION								
ANGLE *	(PPM)							
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.4	.6	.3	.1	.1
5.	*	.0	.2	.4	.6	.3	.1	.2
10.	*	.0	.2	.4	.6	.3	.2	.2
15.	*	.0	.2	.5	.6	.3	.2	.1
20.	*	.0	.2	.5	.6	.2	.1	.2
25.	*	.0	.2	.5	.6	.3	.3	.1
30.	*	.0	.3	.5	.6	.6	.3	.4
35.	*	.0	.2	.5	.6	.6	.4	.5
40.	*	.0	.2	.6	.6	.5	.5	.4
45.	*	.0	.2	.6	.7	.5	.5	.7
50.	*	.0	.3	.6	.8	.5	.7	.5
55.	*	.0	.3	.7	.9	.3	.6	.8
60.	*	.0	.2	.8	.9	.3	.8	.5
65.	*	.1	.3	.8	.8	.4	.8	.6
70.	*	.1	.3	.8	.8	.5	.8	.6
75.	*	.1	.3	.7	.8	.4	.8	.7
80.	*	.2	.3	.7	.7	.5	.7	.6
85.	*	.2	.5	.6	.7	.6	.7	.6
90.	*	.2	.5	.5	.6	.6	.7	.4
95.	*	.2	.4	.5	.5	.6	.5	.5
100.	*	.3	.3	.4	.5	.6	.5	.5
105.	*	.3	.2	.2	.6	.5	.5	.4
110.	*	.4	.1	.1	.3	.6	.5	.4
115.	*	.4	.2	.2	.4	.5	.5	.4
120.	*	.4	.1	.1	.4	.6	.4	.4
125.	*	.3	.1	.1	.3	.5	.4	.4
130.	*	.2	.0	.1	.2	.5	.4	.4
135.	*	.2	.0	.1	.2	.5	.4	.3
140.	*	.3	.0	.2	.2	.4	.4	.3
145.	*	.5	.0	.2	.2	.4	.3	.3
150.	*	.5	.0	.1	.2	.4	.4	.3



155.	*	.4	.0	.1	.2	.4	.4	.4	.3
160.	*	.2	.0	.1	.2	.4	.4	.4	.3
165.	*	.2	.0	.1	.2	.3	.4	.4	.3
170.	*	.2	.0	.1	.1	.3	.4	.5	.3
175.	*	.2	.0	.1	.1	.3	.5	.6	.3
180.	*	.2	.0	.1	.1	.3	.5	.4	.3
185.	*	.2	.0	.0	.1	.3	.5	.4	.3
190.	*	.2	.0	.0	.1	.3	.6	.4	.3
195.	*	.1	.0	.0	.1	.2	.4	.4	.3
200.	*	.1	.0	.0	.0	.1	.4	.4	.2
205.	*	.1	.0	.0	.0	.1	.3	.3	.2

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JOB: S19 Campus & US1 NB2015PM

RUN: Campus & US1 NB2015PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.1	.0	.0	.0	.1	.2	.2	.1
215.	*	.1	.0	.0	.0	.1	.2	.2	.1
220.	*	.2	.0	.0	.0	.0	.1	.1	.0
225.	*	.2	.0	.0	.0	.0	.1	.1	.0
230.	*	.2	.0	.0	.0	.0	.0	.1	.0
235.	*	.2	.0	.0	.0	.0	.0	.0	.0
240.	*	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.0	.0	.0	.0	.0	.0	.0
250.	*	.1	.1	.0	.1	.0	.0	.0	.0
255.	*	.1	.1	.0	.2	.0	.0	.0	.0
260.	*	.1	.1	.1	.2	.0	.0	.0	.0
265.	*	.1	.1	.1	.3	.1	.0	.0	.0
270.	*	.1	.1	.2	.3	.1	.0	.0	.0
275.	*	.0	.1	.2	.4	.1	.0	.0	.0
280.	*	.0	.1	.2	.6	.3	.0	.0	.0
285.	*	.0	.1	.2	.7	.3	.0	.0	.0
290.	*	.0	.1	.1	.7	.3	.0	.0	.0
295.	*	.0	.1	.1	.7	.4	.0	.0	.0
300.	*	.0	.1	.1	.6	.4	.0	.0	.0
305.	*	.0	.1	.1	.6	.4	.1	.0	.0
310.	*	.0	.1	.1	.6	.4	.1	.0	.0
315.	*	.0	.1	.1	.6	.4	.1	.0	.0
320.	*	.0	.1	.1	.6	.4	.1	.0	.0
325.	*	.0	.1	.3	.6	.4	.1	.0	.0
330.	*	.0	.1	.3	.6	.4	.1	.1	.0
335.	*	.0	.1	.3	.6	.4	.1	.1	.0
340.	*	.0	.2	.3	.6	.4	.1	.1	.0
345.	*	.0	.2	.3	.5	.4	.1	.1	.0
350.	*	.0	.2	.3	.6	.4	.1	.1	.1
355.	*	.0	.2	.3	.6	.3	.1	.1	.1
360.	*	.0	.2	.4	.6	.3	.1	.1	.1

MAX	*	.5	.5	.8	.9	.6	.8	.8	.6
DEGR.	*	145	85	60	55	30	60	55	55

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 250 DEGREES FROM REC9 .  
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 245 DEGREES FROM REC10.  
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 275 DEGREES FROM REC8 .

S19 Campus & US1 LRT2015AM				60.0321.0.0000.000280.30480000				1	1
SE MID S			1016.		704.		5.0		
SE 164 S			1052.		778.		5.0		
SE 82 S			1086.		852.		5.0		
SE CNR			1139.		918.		5.0		
SE 82 E			1218.		892.		5.0		
SE 164 E			1289.		850.		5.0		
SE MID E			1359.		807.		5.0		
NE MID E			1401.		916.		5.0		
NE 164 E			1330.		961.		5.0		
NE 82 E			1262.		1001.		5.0		
NE CNR			1190.		1057.		5.0		
NE 82 N			1215.		1145.		5.0		
NE 164 N			1248.		1219.		5.0		
NE MID N			1283.		1293.		5.0		
NW MID N			1179.		1327.		5.0		
NW 164 N			1142.		1254.		5.0		
NW 82 N			1105.		1181.		5.0		
NW CNR			1066.		1108.		5.0		
NW 82 W			983.		1094.		5.0		
NW 164 W			902.		1094.		5.0		
NW MID W			820.		1092.		5.0		
SW MID W			728.		960.		5.0		
SW 164 W			810.		963.		5.0		
SW 82 W			892.		969.		5.0		
SW CNR			977.		945.		5.0		
SW 82 S			959.		857.		5.0		
SW 164 S			924.		783.		5.0		
SW MID S			876.		716.		5.0		
Campus & US1 LRT2015AM				53				1	0
0	1	US1nbAP	AG	655.	112.	798.	406.	948	3.7 0 44 30.
0	1	US1nbAP	AG	798.	406.	942.	647.	948	3.7 0 44 30.
0	1	US1nbAP	AG	942.	647.	1009.	772.	948	3.7 0 44 30.
0	2	US1nbAP	AG	1008.	772.	1124.	1009.	667	3.7 0 44 30.
0	150	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24 2
				84	6	667	37.8	1770	1 3
0	2	US1nbL	AG	981.	776.	1092.	1003.	161	3.7 0 44 30.
0	150	US1nbLQ	AG	1051.	919.	996.	806.	0.	24 2
				130	5	161	37.8	1717	1 3
0	2	US1nbR	AG	1022.	756.	1118.	955.	120	3.7 0 32 30.
0	150	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12 1
				84	6	120	37.8	1583	1 3
0	1	US1nbD	AG	1125.	1010.	1325.	1430.	1192	3.7 0 44 30.
0	1	US1nbD	AG	1325.	1430.	1401.	1631.	1192	3.7 0 44 30.
0	1	US1nbD	AG	1401.	1631.	1488.	1926.	1192	3.7 0 44 30.
0	1	US1sbAP	AG	1443.	1894.	1339.	1601.	2469	3.7 0 44 30.
0	1	US1sbAP	AG	1339.	1601.	1279.	1462.	2469	3.7 0 44 30.
0	2	US1sbT	AG	1279.	1462.	1069.	1021.	1467	3.7 0 44 30.
0	150	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24 2
				72	6	1467	37.8	1770	1 3
0	2	US1sbL	AG	1299.	1450.	1090.	1015.	436	3.7 0 44 30.
0	150	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24 2
				118	5	436	37.8	1717	1 3
0	2	US1sbR	AG	1259.	1459.	1055.	1038.	566	3.7 0 32 30.
0	150	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12 1
				72	6	566	37.8	1583	1 3
0	1	US1sbD	AG	1068.	1020.	624.	131.	2162	3.7 0 44 30.
0	1	CMebA	AG	121.	788.	376.	896.	190	5.2 0 44 30.
0	1	CMebTL	AG	375.	897.	608.	964.	219	5.2 0 44 30.
0	1	CMebTL	AG	608.	964.	743.	984.	219	5.2 0 44 30.
0	2	CMebTL	AG	744.	982.	1049.	996.	219	5.2 0 44 30.
0	150	CMebTLQ	AG	993.	993.	754.	983.	0.	24 2
				127	6	219	37.8	1726	1 3
0	1	CMebR	AG	456.	912.	776.	925.	70	5.2 0 32 30.
0	1	CMebR	AG	776.	925.	866.	877.	70	5.2 0 32 30.
0	1	CMebR	AG	866.	877.	904.	809.	70	5.2 0 32 30.

[illegible]

JOB: S19 Campus & US1 LRT2015AM  
 DATE: 12/11/2007 TIME: 13:28:23.11

RUN: Campus & US1 LRT2015AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	948.	3.7	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	948.	3.7	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	948.	3.7	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	667.	3.7	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	1008.2	771.4	*	153.	206. AG	114.	100.0	.0	24.0	.45 7.8
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	161.	3.7	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1026.1	867.9	*	57.	206. AG	176.	100.0	.0	24.0	.40 2.9
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	120.	3.7	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1068.0	851.4	*	55.	206. AG	57.	100.0	.0	12.0	.18 2.8
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	1192.	3.7	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	1192.	3.7	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	1192.	3.7	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2469.	3.7	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2469.	3.7	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1467.	3.7	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1235.4	1370.4	*	289.	26. AG	97.	100.0	.0	24.0	.82 14.7
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	436.	3.7	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1191.2	1225.6	*	141.	26. AG	160.	100.0	.0	24.0	.65 7.1
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	566.	3.7	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1191.2	1318.5	*	223.	26. AG	49.	100.0	.0	12.0	.71 11.3
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	2162.	3.7	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	190.	5.2	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	219.	5.2	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	219.	5.2	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	219.	5.2	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	917.4	989.8	*	76.	268. AG	172.	100.0	.0	24.0	.47 3.8
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	70.	5.2	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	70.	5.2	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	70.	5.2	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	70.	5.2	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	702.	5.2	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	702.	5.2	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	702.	5.2	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	702.	5.2	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	702.	5.2	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	702.	5.2	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	702.	5.2	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1555.	5.2	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1555.	5.2	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1555.	5.2	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	1103.	5.2	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	1103.	5.2	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	1103.	5.2	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1425.9	848.2	*	282.	121. AG	227.	100.0	.0	36.0	.95 14.3

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 DATE: 12/11/2007 TIME: 13:28:23.11

RUN: Campus & US1 LRT2015AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	452.	5.2	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	452.	5.2	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	452.	5.2	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	1287.2	959.2	*	111.	120. AG	122.	100.0	.0	24.0	.42 5.7
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	1205.	5.2	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	1205.	5.2	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	1205.	5.2	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	546.	5.2	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	546.	5.2	.0	32.0	

JOB: S19 Campus & US1 LRT2015AM  
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RUN: Campus & US1 LRT2015AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	84	.6	667	1770	37.80	1	3
7. 0	US1nbLQ	150	130	.5	161	1717	37.80	1	3
9. 0	US1nbRQ	150	84	.6	120	1583	37.80	1	3
16. 0	US1sbTQ	150	72	.6	1467	1770	37.80	1	3
18. 0	US1sbLQ	150	118	.5	436	1717	37.80	1	3

20. 0	US1sbrQ	*	150	72	.6	566	1583	37.80	1	3
26. 0	CMebTLQ	*	150	127	.6	219	1726	37.80	1	3
44. 0	CMwbTLQ	*	150	112	.6	1103	1646	37.80	1	3
48. 0	CMwbRQ	*	150	90	.6	452	1394	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.5	.5	.5	.6	.9	.7	.7	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
5. *	.5	.5	.6	.6	.7	.7	.6	.0	.0	.0	.4	.4	.3	.3	.0	.0	.0	.0	.0	.0
10. *	.5	.6	.6	.6	.7	.6	.6	.0	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0
15. *	.5	.4	.6	.7	.7	.6	.6	.0	.0	.0	.4	.3	.2	.4	.1	.1	.1	.0	.0	.0
20. *	.1	.2	.5	.5	.7	.6	.6	.0	.0	.0	.1	.2	.2	.2	.2	.2	.4	.4	.0	.0
25. *	.1	.2	.3	.5	.7	.6	.6	.0	.0	.0	.1	.2	.2	.2	.4	.4	.4	.4	.0	.0
30. *	.2	.1	.2	.5	.7	.6	.7	.0	.0	.0	.1	.1	.1	.1	.4	.4	.4	.5	.0	.0
35. *	.1	.1	.2	.5	.7	.6	.6	.0	.0	.0	.0	.1	.1	.1	.4	.5	.6	.6	.0	.0
40. *	.1	.1	.3	.5	.7	.6	.5	.0	.0	.0	.0	.1	.1	.1	.5	.6	.6	.7	.2	.0
45. *	.1	.1	.4	.6	.7	.6	.5	.0	.0	.0	.0	.1	.1	.1	.5	.6	.7	.9	.2	.0
50. *	.1	.1	.4	.6	.7	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.7	.9	.9	.3	.0
55. *	.1	.1	.4	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.5	.7	1.0	.9	.3	.1
60. *	.1	.1	.3	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.2
65. *	.1	.1	.3	.6	.6	.7	.3	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
70. *	.1	.1	.3	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
75. *	.1	.1	.2	.7	.6	.6	.3	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
80. *	.0	.1	.2	.7	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.6	.3	.3
85. *	.0	.1	.2	.6	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.6	.2	.4
90. *	.0	.0	.1	.5	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.6	.7	.8	.6	.2	.3
95. *	.0	.0	.1	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.9	.5	.2	.3
100. *	.0	.0	.1	.5	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.6	.9	.5	.3	.3
105. *	.0	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.5	.4	.5
110. *	.0	.0	.0	.3	.4	.4	.3	.0	.0	.1	.0	.0	.0	.0	.6	.8	.9	.5	.5	.5
115. *	.0	.0	.0	.2	.3	.2	.3	.0	.0	.2	.1	.0	.0	.0	.6	.8	.9	.6	.6	.5
120. *	.0	.0	.0	.2	.2	.2	.3	.0	.1	.3	.3	.0	.0	.0	.7	.8	.9	.7	.6	.4
125. *	.0	.0	.0	.0	.1	.2	.2	.1	.2	.5	.5	.0	.0	.0	.7	.9	1.0	.8	.5	.5
130. *	.0	.0	.0	.0	.1	.1	.1	.1	.4	.6	.7	.0	.0	.0	.7	.8	1.0	.8	.4	.6
135. *	.0	.0	.0	.0	.1	.0	.1	.2	.5	.7	.8	.1	.0	.0	.7	1.0	1.0	.7	.4	.4
140. *	.0	.0	.0	.0	.0	.0	.1	.4	.6	.9	.8	.1	.0	.0	.7	1.0	1.2	.5	.4	.4
145. *	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	.9	.2	.0	.0	.7	1.0	1.3	.5	.3	.4
150. *	.0	.0	.0	.0	.0	.0	.0	.5	.8	1.0	1.0	.2	.1	.0	.8	1.1	1.3	.5	.3	.4
155. *	.0	.0	.0	.0	.0	.0	.0	.6	.8	1.1	.9	.3	.1	.0	.8	1.1	1.2	.5	.3	.4
160. *	.0	.0	.0	.0	.0	.0	.0	.5	.8	1.1	.8	.4	.1	.1	1.0	1.1	1.1	.4	.4	.4
165. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.8	.4	.1	.1	1.1	1.2	1.0	.4	.6	.4
170. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.2	.8	.4	.2	.1	1.1	1.2	.9	.4	.5	.4
175. *	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.1	.6	.4	.2	.1	1.1	1.1	.6	.4	.5	.4
180. *	.0	.0	.0	.0	.0	.0	.0	.9	.7	1.1	.6	.4	.2	.1	1.2	1.1	.7	.5	.4	.4
185. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.5	.4	.3	.2	1.2	.9	.6	.6	.4	.3
190. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.5	.4	.2	.2	.9	.8	.6	.6	.4	.3

195. \* .0 .0 .0 .0 .0 .0 .0 .7 .8 1.1 .4 .3 .2 .2 .9 .7 .5 .4 .4 .3  
 200. \* .0 .0 .0 .0 .0 .0 .0 .7 .8 1.1 .3 .4 .2 .3 .8 .6 .5 .3 .4 .2  
 205. \* .0 .1 .2 .0 .0 .0 .0 .7 .8 1.1 .5 .3 .3 .4 .6 .5 .4 .4 .4 .2  
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WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.1	.2	.2	.2	.0	.0	.0	.7	.8	1.1	.4	.4	.4	.4	.5	.5	.3	.3	.4	.2
215.	*	.2	.2	.2	.2	.0	.0	.0	.7	.8	1.1	.4	.4	.4	.6	.5	.3	.3	.3	.3	.2
220.	*	.2	.2	.4	.2	.1	.0	.0	.8	.8	1.1	.4	.3	.5	.6	.1	.0	.2	.3	.3	.2
225.	*	.3	.2	.4	.4	.1	.0	.0	.9	.9	1.1	.5	.4	.7	.6	.0	.0	.1	.2	.2	.2
230.	*	.3	.2	.4	.4	.1	.1	.0	.9	.9	1.2	.4	.5	.6	.5	.0	.0	.0	.2	.2	.2
235.	*	.2	.2	.4	.6	.1	.1	.0	.9	.9	1.2	.4	.5	.7	.5	.0	.0	.0	.2	.2	.3
240.	*	.2	.2	.5	.6	.2	.1	.0	.9	.9	1.3	.4	.5	.7	.5	.0	.0	.0	.2	.3	.3
245.	*	.2	.3	.5	.6	.2	.1	.0	.9	.8	1.1	.4	.7	.7	.5	.0	.0	.0	.1	.3	.3
250.	*	.2	.3	.5	.5	.2	.1	.0	.8	1.0	1.2	.6	.6	.7	.4	.0	.0	.0	.2	.3	.3
255.	*	.2	.3	.5	.4	.2	.1	.0	1.0	1.0	1.2	.6	.6	.7	.4	.0	.0	.0	.2	.3	.3
260.	*	.2	.3	.6	.4	.3	.2	.0	.9	1.0	1.1	.6	.6	.6	.4	.0	.0	.0	.1	.3	.3
265.	*	.2	.3	.6	.4	.3	.2	.0	1.0	1.1	1.1	.5	.6	.6	.4	.0	.0	.0	.1	.2	.3
270.	*	.2	.3	.7	.4	.3	.2	.0	.9	1.0	.8	.4	.6	.5	.3	.0	.0	.0	.0	.1	.2
275.	*	.2	.3	.7	.3	.3	.2	.0	.8	.9	.7	.3	.6	.4	.3	.0	.0	.0	.0	.1	.2
280.	*	.2	.4	.7	.4	.2	.1	.0	.9	.9	.6	.3	.6	.4	.3	.0	.0	.0	.0	.1	.1
285.	*	.2	.4	.7	.3	.1	.2	.0	.9	.8	.5	.3	.6	.4	.3	.0	.0	.0	.0	.0	.1
290.	*	.2	.4	.8	.3	.2	.1	.1	.7	.6	.4	.2	.7	.5	.4	.0	.0	.0	.0	.0	.0
295.	*	.2	.4	.8	.3	.3	.1	.1	.6	.6	.3	.3	.7	.4	.4	.0	.0	.0	.0	.0	.0
300.	*	.2	.4	.8	.4	.3	.1	.2	.5	.5	.3	.3	.7	.4	.4	.0	.0	.0	.0	.0	.0
305.	*	.2	.5	.9	.4	.2	.2	.3	.4	.4	.4	.4	.6	.3	.3	.0	.0	.0	.0	.0	.0
310.	*	.2	.5	1.0	.4	.2	.4	.5	.3	.3	.2	.4	.6	.3	.3	.0	.0	.0	.0	.0	.0
315.	*	.2	.4	1.0	.4	.3	.5	.6	.0	.2	.2	.5	.6	.3	.3	.0	.0	.0	.0	.0	.0
320.	*	.2	.4	.9	.4	.3	.5	.7	.0	.2	.4	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0
325.	*	.2	.5	.9	.4	.3	.7	.8	.0	.2	.4	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
330.	*	.2	.7	.9	.3	.3	.7	.8	.0	.2	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
335.	*	.2	.7	.7	.3	.5	.9	.7	.0	.1	.4	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0
340.	*	.3	.7	.7	.2	.8	.8	.6	.0	.0	.4	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0
345.	*	.3	.6	.7	.3	1.0	.7	.6	.0	.0	.4	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0
350.	*	.3	.6	.6	.6	1.0	.7	.6	.0	.0	.2	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0
355.	*	.3	.6	.4	.6	.9	.7	.7	.0	.0	.1	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
360.	*	.5	.5	.5	.6	.9	.7	.7	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
MAX	*	.5	.7	1.0	.7	1.0	.9	.8	1.0	1.1	1.3	1.0	.7	.7	.6	1.2	1.2	1.3	.9	.6	.6
DEGR.	*	0	330	310	15	345	335	325	255	265	240	150	245	225	215	180	165	145	45	115	130

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
 ANGLE \* (PPM)  
 (DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

0.	*	.0	.1	.1	.1	.4	.1	.2	.0
5.	*	.0	.1	.1	.1	.3	.2	.2	.0
10.	*	.0	.1	.0	.1	.3	.2	.2	.0
15.	*	.0	.1	.0	.1	.3	.2	.3	.1
20.	*	.0	.1	.1	.1	.3	.3	.2	.1
25.	*	.0	.1	.1	.2	.4	.3	.3	.1
30.	*	.0	.1	.1	.2	.5	.5	.3	.2
35.	*	.0	.1	.1	.1	.6	.5	.5	.2
40.	*	.0	.1	.1	.3	.6	.5	.6	.4
45.	*	.0	.1	.1	.5	.6	.5	.6	.4
50.	*	.0	.0	.1	.8	.5	.4	.7	.5
55.	*	.0	.0	.1	.7	.3	.5	.7	.5
60.	*	.0	.0	.2	.7	.2	.7	.7	.5
65.	*	.0	.0	.2	.6	.3	.7	.5	.5
70.	*	.2	.0	.2	.6	.5	.7	.5	.5
75.	*	.1	.1	.2	.7	.5	.7	.5	.3
80.	*	.2	.1	.3	.6	.5	.6	.5	.3
85.	*	.1	.2	.3	.5	.5	.6	.5	.2
90.	*	.2	.2	.3	.4	.5	.6	.4	.2
95.	*	.4	.1	.3	.4	.5	.5	.4	.3
100.	*	.4	.2	.2	.3	.5	.4	.4	.3
105.	*	.4	.2	.2	.4	.4	.4	.3	.3
110.	*	.4	.1	.1	.3	.5	.4	.3	.2
115.	*	.4	.1	.2	.3	.5	.4	.3	.2
120.	*	.4	.1	.2	.3	.5	.4	.4	.2
125.	*	.5	.1	.1	.3	.5	.4	.4	.2
130.	*	.5	.1	.1	.3	.5	.4	.4	.2
135.	*	.5	.1	.1	.2	.5	.4	.4	.2
140.	*	.4	.1	.1	.2	.5	.4	.4	.2
145.	*	.3	.1	.1	.2	.4	.4	.4	.2
150.	*	.3	.1	.1	.1	.4	.4	.4	.2

155.	*	.3	.1	.1	.1	.4	.4	.4	.2
160.	*	.3	.1	.1	.1	.4	.3	.3	.2
165.	*	.4	.1	.1	.1	.3	.3	.3	.4
170.	*	.3	.1	.1	.1	.3	.3	.3	.4
175.	*	.3	.1	.1	.1	.3	.4	.4	.4
180.	*	.3	.1	.1	.1	.2	.4	.4	.4
185.	*	.3	.0	.1	.1	.2	.4	.4	.3
190.	*	.2	.0	.1	.1	.2	.4	.4	.3
195.	*	.2	.0	.0	.1	.2	.4	.4	.3
200.	*	.2	.0	.0	.1	.2	.4	.4	.3
205.	*	.2	.0	.0	.0	.2	.4	.4	.2

1

JOB: S19 Campus & US1 LRT2015AM

RUN: Campus & US1 LRT2015AM

PAGE 7

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.2	.0	.0	.0	.1	.3	.3	.2
215.	*	.2	.0	.0	.0	.1	.2	.3	.1
220.	*	.3	.0	.0	.0	.0	.2	.2	.1
225.	*	.3	.0	.0	.0	.0	.1	.1	.0
230.	*	.3	.0	.0	.0	.0	.1	.1	.0
235.	*	.3	.0	.0	.0	.0	.0	.1	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.0	.0	.1	.0	.0	.0	.0
280.	*	.0	.0	.0	.1	.0	.0	.0	.0
285.	*	.0	.0	.0	.1	.0	.0	.0	.0
290.	*	.0	.0	.0	.2	.1	.0	.0	.0
295.	*	.0	.0	.0	.2	.1	.0	.0	.0
300.	*	.0	.0	.1	.2	.1	.0	.0	.0
305.	*	.0	.0	.1	.1	.2	.0	.0	.0
310.	*	.0	.0	.1	.1	.2	.0	.0	.0
315.	*	.0	.0	.1	.1	.3	.0	.0	.0
320.	*	.0	.0	.1	.1	.4	.0	.0	.0
325.	*	.0	.1	.1	.0	.4	.0	.0	.0
330.	*	.0	.1	.1	.0	.4	.0	.0	.0
335.	*	.0	.1	.1	.1	.4	.1	.0	.0
340.	*	.0	.1	.1	.1	.4	.1	.0	.0
345.	*	.0	.1	.1	.1	.3	.1	.0	.0
350.	*	.0	.1	.1	.1	.3	.1	.0	.0
355.	*	.0	.1	.1	.1	.3	.1	.0	.0
360.	*	.0	.1	.1	.1	.4	.1	.2	.0

MAX	*	.5	.2	.3	.8	.6	.7	.7	.5
DEGR.	*	125	85	80	50	35	60	50	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 240 DEGREES FROM REC10.  
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 145 DEGREES FROM REC17.  
THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 180 DEGREES FROM REC15.

S19 Campus & US1 LRT2015PM		60.0321.0.0000.000280.30480000		1	1							
SE MID S	1016.	704.	5.0									
SE 164 S	1052.	778.	5.0									
SE 82 S	1086.	852.	5.0									
SE CNR	1139.	918.	5.0									
SE 82 E	1218.	892.	5.0									
SE 164 E	1289.	850.	5.0									
SE MID E	1359.	807.	5.0									
NE MID E	1401.	916.	5.0									
NE 164 E	1330.	961.	5.0									
NE 82 E	1262.	1001.	5.0									
NE CNR	1190.	1057.	5.0									
NE 82 N	1215.	1145.	5.0									
NE 164 N	1248.	1219.	5.0									
NE MID N	1283.	1293.	5.0									
NW MID N	1179.	1327.	5.0									
NW 164 N	1142.	1254.	5.0									
NW 82 N	1105.	1181.	5.0									
NW CNR	1066.	1108.	5.0									
NW 82 W	983.	1094.	5.0									
NW 164 W	902.	1094.	5.0									
NW MID W	820.	1092.	5.0									
SW MID W	728.	960.	5.0									
SW 164 W	810.	963.	5.0									
SW 82 W	892.	969.	5.0									
SW CNR	977.	945.	5.0									
SW 82 S	959.	857.	5.0									
SW 164 S	924.	783.	5.0									
SW MID S	876.	716.	5.0									
Campus & US1 LRT2015PM		53	1	0								
0	1	US1nbAP	AG	655.	112.	798.	406.	1820	3.7	0	44	30.
0	1	US1nbAP	AG	798.	406.	942.	647.	1820	3.7	0	44	30.
0	1	US1nbAP	AG	942.	647.	1009.	772.	1820	3.7	0	44	30.
0	1	US1nbAP	AG	1008.	772.	1124.	1009.	1247	3.7	0	44	30.
0	2	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24	2		
150	82			6	1247	37.8	1770	1	3			
0	1	US1nbL	AG	981.	776.	1092.	1003.	152	3.7	0	44	30.
0	2	US1nbLQ	AG	1051.	919.	996.	806.	0.	24	2		
150	131			5	152	37.8	1717	1	3			
0	1	US1nbR	AG	1022.	756.	1118.	955.	421	3.7	0	32	30.
0	2	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12	1		
150	82			6	421	37.8	1583	1	3			
0	1	US1nbD	AG	1125.	1010.	1325.	1430.	2457	3.7	0	44	30.
0	1	US1nbD	AG	1325.	1430.	1401.	1631.	2457	3.7	0	44	30.
0	1	US1nbD	AG	1401.	1631.	1488.	1926.	2457	3.7	0	44	30.
0	1	US1sbAP	AG	1443.	1894.	1339.	1601.	1828	3.7	0	44	30.
0	1	US1sbAP	AG	1339.	1601.	1279.	1462.	1828	3.7	0	44	30.
0	1	US1sbT	AG	1279.	1462.	1069.	1021.	1095	3.7	0	44	30.
0	2	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24	2		
150	72			6	1095	37.8	1770	1	3			
0	1	US1sbL	AG	1299.	1450.	1090.	1015.	405	3.7	0	44	30.
0	2	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24	2		
150	121			5	405	37.8	1717	1	3			
0	1	US1sbR	AG	1259.	1459.	1055.	1038.	328	3.7	0	32	30.
0	2	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12	1		
150	72			6	328	37.8	1583	1	3			
0	1	US1sbD	AG	1068.	1020.	624.	131.	1585	3.7	0	44	30.
0	1	CMebA	AG	121.	788.	376.	896.	500	5.2	0	44	30.
0	1	CMebTL	AG	375.	897.	608.	964.	632	5.2	0	44	30.
0	1	CMebTL	AG	608.	964.	743.	984.	632	5.2	0	44	30.
0	1	CMebTL	AG	744.	982.	1049.	996.	632	5.2	0	44	30.
0	2	CMebTLQ	AG	993.	993.	754.	983.	0.	24	2		
150	108			6	632	37.8	1726	1	3			
0	1	CMebR	AG	456.	912.	776.	925.	138	5.2	0	32	30.
0	1	CMebR	AG	776.	925.	866.	877.	138	5.2	0	32	30.
0	1	CMebR	AG	866.	877.	904.	809.	138	5.2	0	32	30.



0	1	CMebR	AG	904.	809.	909.	713.	138	5.2	0	32	30.
0	1	CMebD	AG	1046.	994.	1170.	944.	1146	5.2	0	44	30.
0	1	CMebD	AG	1170.	944.	1373.	828.	1146	5.2	0	44	30.
0	1	CMebD	AG	1373.	828.	1510.	701.	1146	5.2	0	44	30.
0	1	CMebD	AG	1510.	701.	1597.	577.	1146	5.2	0	44	30.
0	1	CMebD	AG	1597.	577.	1659.	437.	1146	5.2	0	44	30.
0	1	CMebD	AG	1659.	437.	1699.	319.	1146	5.2	0	44	30.
0	1	CMebD	AG	1699.	319.	1714.	179.	1146	5.2	0	44	30.
0	1	CMwbA	AG	1736.	233.	1714.	361.	1476	5.2	0	44	30.
0	1	CMwbA	AG	1714.	361.	1641.	569.	1476	5.2	0	44	30.
0	1	CMwbA	AG	1641.	569.	1581.	691.	1476	5.2	0	44	30.
0	1	CMwbTL	AG	1569.	689.	1464.	803.	578	5.2	0	56	30.
0	1	CMwbTL	AG	1464.	803.	1363.	886.	578	5.2	0	56	30.
0	1	CMwbTL	AG	1363.	886.	1103.	1040.	578	5.2	0	56	30.
0	2	CMwbTLQ	AG	1183.	992.	1357.	889.	0.	36	3		
	150		128	6	578	37.8	1645	1	3			
0	1	CMwbR	AG	1581.	705.	1486.	813.	898	5.2	0	44	30.
0	1	CMwbR	AG	1486.	813.	1375.	908.	898	5.2	0	44	30.
0	1	CMwbR	AG	1375.	908.	1119.	1057.	898	5.2	0	44	30.
0	2	CMwbRQ	AG	1191.	1015.	1372.	910.	0.	24	2		
	150		110	6	898	37.8	1394	1	3			
0	1	CMwbD	AG	1104.	1037.	957.	1069.	706	5.2	0	44	30.
0	1	CMwbD	AG	957.	1069.	832.	1071.	706	5.2	0	44	30.
0	1	CMwbD	AG	832.	1071.	672.	1030.	706	5.2	0	44	30.
0	1	CMwbD2	AG	666.	1021.	295.	886.	435	5.2	0	32	30.
0	1	CMwbD2	AG	295.	886.	109.	808.	435	5.2	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S19 Campus & US1 LRT2015PM  
 DATE: 12/11/2007 TIME: 13:38:14.10

RUN: Campus & US1 LRT2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	1820.	3.7	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	1820.	3.7	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	1820.	3.7	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	1247.	3.7	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	953.1	657.7	*	279.	206. AG	111.	100.0	.0	24.0	.81 14.2
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	152.	3.7	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1027.2	870.1	*	54.	206. AG	177.	100.0	.0	24.0	.40 2.8
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	421.	3.7	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1009.9	731.0	*	189.	206. AG	55.	100.0	.0	12.0	.61 9.6
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	2457.	3.7	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	2457.	3.7	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	2457.	3.7	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	1828.	3.7	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	1828.	3.7	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1095.	3.7	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1203.9	1304.3	*	215.	26. AG	97.	100.0	.0	24.0	.62 10.9
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	405.	3.7	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1188.2	1219.3	*	134.	26. AG	164.	100.0	.0	24.0	.67 6.8
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	328.	3.7	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1150.3	1234.2	*	129.	26. AG	49.	100.0	.0	12.0	.41 6.6
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	1585.	3.7	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	500.	5.2	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	632.	5.2	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	632.	5.2	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	632.	5.2	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	806.5	985.2	*	187.	268. AG	146.	100.0	.0	24.0	.70 9.5
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	138.	5.2	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	138.	5.2	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	138.	5.2	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	138.	5.2	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	1146.	5.2	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	1146.	5.2	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	1146.	5.2	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	1146.	5.2	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	1146.	5.2	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	1146.	5.2	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	1146.	5.2	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1476.	5.2	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1476.	5.2	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1476.	5.2	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	578.	5.2	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	578.	5.2	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	578.	5.2	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1327.6	906.4	*	168.	121. AG	260.	100.0	.0	36.0	.91 8.5

JOB: S19 Campus & US1 LRT2015PM  
 DATE: 12/11/2007 TIME: 13:38:14.10

RUN: Campus & US1 LRT2015PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	898.	5.2	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	898.	5.2	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	898.	5.2	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	2394.2	317.0	*	1391.	120. AG	149.	100.0	.0	24.0	1.29 70.7
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	706.	5.2	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	706.	5.2	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	706.	5.2	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	435.	5.2	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	435.	5.2	.0	32.0	

JOB: S19 Campus & US1 LRT2015PM  
 DATE: 12/11/2007 TIME: 13:38:14.10

RUN: Campus & US1 LRT2015PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	82	.6	1247	1770	37.80	1	3
7. 0	US1nbLQ	150	131	.5	152	1717	37.80	1	3
9. 0	US1nbRQ	150	82	.6	421	1583	37.80	1	3
16. 0	US1sbTQ	150	72	.6	1095	1770	37.80	1	3
18. 0	US1sbLQ	150	121	.5	405	1717	37.80	1	3

20. 0	US1sbrQ	*	150	72	.6	328	1583	37.80	1	3
26. 0	CMebTLQ	*	150	108	.6	632	1726	37.80	1	3
44. 0	CMwbTLQ	*	150	128	.6	578	1645	37.80	1	3
48. 0	CMwbRQ	*	150	110	.6	898	1394	37.80	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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JOB: S19 Campus & US1 LRT2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.8	.9	.6	.7	1.0	1.1	.5	.0	.0	.1	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0
5. *	.8	.8	.7	.8	1.1	1.0	.4	.0	.0	.1	.6	.5	.5	.6	.0	.0	.0	.0	.0	.0
10. *	.8	.8	.7	.7	1.1	1.0	.4	.0	.0	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0
15. *	.6	.6	.6	.7	1.1	1.0	.3	.0	.0	.0	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0
20. *	.5	.5	.6	.7	1.0	1.0	.6	.0	.0	.0	.2	.4	.5	.5	.0	.0	.1	.1	.0	.0
25. *	.5	.6	.5	.6	1.0	.9	.6	.0	.0	.0	.2	.4	.5	.4	.2	.2	.3	.3	.0	.0
30. *	.5	.5	.3	.6	1.0	.9	.6	.0	.0	.0	.1	.3	.4	.4	.4	.2	.4	.5	.0	.0
35. *	.2	.2	.4	.7	1.0	.8	.6	.0	.0	.0	.1	.2	.2	.3	.4	.4	.5	.7	.0	.0
40. *	.2	.2	.2	.7	1.0	.8	.6	.0	.0	.0	.0	.2	.2	.2	.3	.5	.6	.7	.0	.0
45. *	.2	.2	.3	.8	1.0	.7	.6	.0	.0	.0	.0	.1	.1	.1	.3	.5	.6	.7	.2	.0
50. *	.2	.2	.3	.8	1.0	.5	.5	.0	.0	.0	.0	.1	.1	.1	.4	.4	.7	.8	.4	.0
55. *	.2	.2	.4	.9	1.0	.5	.6	.0	.0	.0	.0	.1	.1	.1	.4	.5	.7	.8	.4	.1
60. *	.2	.2	.4	1.0	1.0	.4	.6	.0	.0	.0	.0	.0	.1	.1	.3	.5	.7	.8	.4	.2
65. *	.1	.2	.4	1.0	1.0	.4	.6	.0	.0	.0	.0	.0	.0	.0	.3	.5	.8	.8	.4	.3
70. *	.1	.2	.4	.9	1.0	.5	.6	.0	.0	.0	.0	.0	.0	.0	.3	.5	.8	.8	.4	.3
75. *	.1	.1	.3	.9	.9	.5	.6	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.7	.4	.3
80. *	.1	.1	.3	.9	.8	.5	.6	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.4	.2
85. *	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.3	.2
90. *	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.3	.3
95. *	.1	.1	.1	.6	.6	.4	.4	.1	.0	.0	.0	.0	.0	.0	.2	.4	.8	.4	.4	.4
100. *	.1	.1	.1	.6	.6	.5	.4	.1	.1	.1	.0	.0	.0	.0	.2	.4	.8	.5	.5	.5
105. *	.1	.1	.1	.5	.6	.5	.5	.2	.2	.3	.1	.0	.0	.0	.2	.4	.8	.4	.6	.4
110. *	.0	.1	.1	.4	.5	.5	.5	.3	.4	.4	.2	.0	.0	.0	.2	.4	.8	.7	.6	.4
115. *	.0	.0	.1	.3	.5	.5	.5	.5	.5	.5	.1	.0	.0	.0	.2	.5	.9	.6	.6	.4
120. *	.0	.0	.0	.2	.4	.3	.3	.6	.7	.7	.5	.1	.0	.0	.3	.6	.9	.7	.5	.4
125. *	.0	.0	.0	.2	.3	.3	.3	.7	.8	.9	.7	.1	.1	.0	.3	.6	1.0	.8	.4	.4
130. *	.0	.0	.0	.0	.1	.2	.2	.8	.8	1.0	.7	.2	.1	.1	.4	.6	1.1	.8	.4	.3
135. *	.0	.0	.0	.0	.1	.2	.2	.9	.8	1.1	1.0	.2	.1	.1	.4	.7	1.1	.8	.4	.2
140. *	.0	.0	.0	.0	.1	.0	.1	.9	.8	1.2	1.1	.2	.1	.1	.4	.7	1.1	.7	.3	.3
145. *	.0	.0	.0	.0	.1	.0	.1	.9	1.0	1.3	1.2	.3	.1	.1	.5	.8	1.2	.6	.3	.4
150. *	.0	.0	.0	.0	.0	.0	.1	1.0	1.0	1.4	1.3	.3	.1	.1	.5	.9	1.1	.4	.2	.4
155. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.4	1.2	.4	.1	.1	.6	1.0	1.0	.4	.2	.4
160. *	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.4	1.1	.5	.2	.1	.9	1.1	1.0	.4	.3	.4
165. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.5	1.0	.5	.2	.1	.9	1.1	.8	.4	.3	.5
170. *	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.5	.9	.4	.3	.3	1.0	1.1	.8	.5	.4	.5
175. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.4	.8	.4	.3	.3	1.0	.9	.6	.6	.4	.4
180. *	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.4	.8	.5	.3	.3	.9	.9	.6	.6	.4	.4
185. *	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.4	.5	.5	.3	.3	1.0	.8	.6	.5	.4	.4
190. *	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.3	.5	.4	.4	.4	.8	.8	.6	.3	.3	.4

195.	*	.0	.0	.1	.0	.0	.0	.0	.9	1.1	1.3	.5	.5	.4	.4	.6	.6	.5	.3	.3	.3
200.	*	.0	.0	.2	.0	.0	.0	.0	.8	1.3	1.4	.5	.4	.4	.4	.6	.6	.5	.3	.4	.3
205.	*	.1	.3	.4	.1	.0	.0	.0	.8	1.3	1.4	.6	.7	.6	.5	.5	.5	.1	.2	.3	.2

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RUN: Campus &amp; US1 LRT2015PM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.2	.5	.7	.3	.0	.0	.0	.9	1.3	1.4	.6	.5	.6	.7	.4	.4	.2	.3	.3	.2
215.	*	.4	.5	.7	.4	.0	.0	.0	.9	1.3	1.4	.7	.6	.6	.8	.1	.1	.2	.3	.3	.2
220.	*	.4	.6	.8	.5	.0	.0	.0	.9	1.3	1.5	.7	.5	.8	.8	.0	.1	.1	.2	.4	.2
225.	*	.4	.7	.9	.5	.2	.0	.0	.8	1.3	1.4	.7	.6	1.0	.8	.0	.1	.1	.2	.4	.2
230.	*	.4	.6	.9	.5	.2	.0	.0	.7	1.3	1.4	.7	.6	.8	.8	.0	.0	.1	.2	.3	.2
235.	*	.5	.7	.8	.6	.2	.0	.0	.7	1.5	1.4	.7	.7	.9	.7	.0	.0	.1	.2	.2	.1
240.	*	.6	.7	.8	.6	.2	.0	.0	1.0	1.5	1.5	.7	.8	.9	.7	.0	.0	.1	.2	.2	.2
245.	*	.6	.7	.8	.6	.2	.1	.0	1.0	1.5	1.6	.6	.9	.9	.7	.0	.0	.0	.2	.2	.2
250.	*	.5	.8	.8	.6	.2	.1	.0	1.1	1.6	1.5	.6	.9	.9	.6	.0	.0	.0	.1	.1	.2
255.	*	.5	.9	.8	.4	.2	.1	.0	1.1	1.5	1.3	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
260.	*	.5	.7	.8	.4	.3	.1	.1	1.3	1.5	1.3	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
265.	*	.5	.7	.8	.4	.4	.1	.1	1.3	1.5	1.2	.5	.8	.7	.5	.0	.0	.0	.0	.1	.2
270.	*	.5	.7	.8	.5	.4	.1	.1	1.4	1.3	1.2	.6	.8	.6	.5	.0	.0	.0	.0	.1	.1
275.	*	.5	.7	.9	.4	.4	.1	.1	1.5	1.3	1.1	.4	.8	.6	.5	.0	.0	.0	.0	.1	.1
280.	*	.5	.6	.9	.4	.5	.1	.0	1.4	1.2	.8	.4	.8	.6	.5	.0	.0	.0	.0	.0	.0
285.	*	.5	.6	.9	.3	.3	.1	.1	1.4	1.1	.8	.4	.8	.6	.4	.0	.0	.0	.0	.0	.0
290.	*	.5	.6	1.0	.3	.4	.2	.1	1.3	1.1	.6	.3	.8	.5	.4	.0	.0	.0	.0	.0	.0
295.	*	.5	.6	.9	.4	.4	.2	.2	1.1	.8	.5	.4	.8	.5	.4	.0	.0	.0	.0	.0	.0
300.	*	.5	.6	.9	.4	.2	.2	.3	.8	.6	.3	.4	.8	.5	.4	.0	.0	.0	.0	.0	.0
305.	*	.5	.6	.9	.4	.3	.3	.3	.6	.6	.4	.5	.8	.5	.4	.0	.0	.0	.0	.0	.0
310.	*	.5	.7	1.0	.3	.3	.3	.6	.5	.4	.3	.5	.8	.5	.4	.0	.0	.0	.0	.0	.0
315.	*	.5	.7	1.0	.4	.3	.5	.7	.3	.4	.4	.6	.8	.5	.4	.0	.0	.0	.0	.0	.0
320.	*	.5	.7	1.0	.3	.4	.7	.9	.3	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
325.	*	.5	.7	1.0	.3	.5	1.0	1.0	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
330.	*	.6	.7	1.0	.3	.5	1.1	1.0	.1	.2	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
335.	*	.7	1.0	.8	.3	.8	1.2	1.0	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
340.	*	.8	1.0	.8	.4	.9	1.2	.9	.1	.1	.3	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
345.	*	.7	.9	.8	.5	1.1	1.2	.8	.0	.1	.3	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
350.	*	.8	.9	.7	.6	1.1	1.2	.6	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
355.	*	.7	.9	.6	.7	1.1	1.1	.6	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
360.	*	.8	.9	.6	.7	1.0	1.1	.5	.0	.0	.1	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0
MAX	*	.8	1.0	1.0	1.0	1.1	1.2	1.0	1.5	1.6	1.6	1.3	.9	1.0	.8	1.0	1.1	1.2	.8	.6	.5
DEGR.	*	0	335	290	60	5	335	330	275	250	245	150	245	225	215	170	160	145	50	105	100

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JOB: S19 Campus &amp; US1 LRT2015PM

RUN: Campus &amp; US1 LRT2015PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION								
ANGLE *	(PPM)							
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.2	.4	.6	.3	.1	.1
5.	*	.0	.2	.4	.6	.3	.1	.2
10.	*	.0	.2	.4	.6	.3	.2	.2
15.	*	.0	.2	.5	.6	.3	.2	.2
20.	*	.0	.2	.5	.6	.2	.1	.2
25.	*	.0	.2	.5	.6	.3	.3	.1
30.	*	.0	.3	.5	.6	.6	.3	.4
35.	*	.0	.2	.5	.6	.6	.4	.5
40.	*	.0	.2	.6	.6	.5	.5	.4
45.	*	.0	.2	.6	.7	.5	.5	.7
50.	*	.0	.3	.6	.8	.5	.7	.5
55.	*	.0	.3	.7	.9	.3	.6	.8
60.	*	.0	.2	.8	.9	.3	.8	.5
65.	*	.1	.3	.8	.8	.4	.8	.6
70.	*	.1	.3	.8	.8	.5	.8	.6
75.	*	.1	.3	.7	.8	.4	.8	.7
80.	*	.2	.3	.7	.7	.5	.7	.6
85.	*	.2	.5	.6	.7	.6	.7	.6
90.	*	.2	.5	.5	.6	.6	.7	.4
95.	*	.2	.4	.5	.5	.6	.5	.5
100.	*	.3	.3	.4	.5	.6	.5	.5
105.	*	.3	.2	.2	.6	.5	.5	.4
110.	*	.4	.1	.1	.3	.6	.5	.4
115.	*	.4	.2	.2	.4	.5	.5	.4
120.	*	.4	.1	.1	.4	.6	.4	.4
125.	*	.3	.1	.1	.3	.5	.4	.4
130.	*	.2	.0	.1	.2	.5	.4	.4
135.	*	.2	.0	.1	.2	.5	.4	.3
140.	*	.3	.0	.2	.2	.4	.4	.3
145.	*	.5	.0	.2	.2	.4	.3	.3
150.	*	.5	.0	.1	.2	.4	.4	.3

155.	*	.4	.0	.1	.2	.4	.4	.4	.3
160.	*	.2	.0	.1	.2	.4	.4	.4	.3
165.	*	.2	.0	.1	.2	.3	.4	.4	.3
170.	*	.2	.0	.1	.1	.3	.4	.5	.3
175.	*	.2	.0	.1	.1	.3	.5	.6	.3
180.	*	.2	.0	.1	.1	.3	.5	.4	.3
185.	*	.2	.0	.0	.1	.3	.5	.4	.3
190.	*	.2	.0	.0	.1	.3	.6	.4	.3
195.	*	.1	.0	.0	.1	.2	.4	.4	.3
200.	*	.1	.0	.0	.0	.1	.4	.4	.2
205.	*	.1	.0	.0	.0	.1	.3	.3	.2

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.1	.0	.0	.0	.1	.2	.2	.1
215.	*	.1	.0	.0	.0	.1	.2	.2	.1
220.	*	.2	.0	.0	.0	.0	.1	.1	.0
225.	*	.2	.0	.0	.0	.0	.1	.1	.0
230.	*	.2	.0	.0	.0	.0	.0	.1	.0
235.	*	.2	.0	.0	.0	.0	.0	.0	.0
240.	*	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.0	.0	.0	.0	.0	.0	.0
250.	*	.1	.1	.0	.1	.0	.0	.0	.0
255.	*	.1	.1	.0	.2	.0	.0	.0	.0
260.	*	.1	.1	.1	.2	.0	.0	.0	.0
265.	*	.1	.1	.1	.3	.1	.0	.0	.0
270.	*	.1	.1	.2	.3	.1	.0	.0	.0
275.	*	.0	.1	.2	.4	.1	.0	.0	.0
280.	*	.0	.1	.2	.6	.3	.0	.0	.0
285.	*	.0	.1	.2	.7	.3	.0	.0	.0
290.	*	.0	.1	.1	.7	.3	.0	.0	.0
295.	*	.0	.1	.1	.7	.4	.0	.0	.0
300.	*	.0	.1	.1	.6	.4	.0	.0	.0
305.	*	.0	.1	.1	.6	.4	.1	.0	.0
310.	*	.0	.1	.1	.6	.4	.1	.0	.0
315.	*	.0	.1	.1	.6	.4	.1	.0	.0
320.	*	.0	.1	.1	.6	.4	.1	.0	.0
325.	*	.0	.1	.3	.6	.4	.1	.0	.0
330.	*	.0	.1	.3	.6	.4	.1	.1	.0
335.	*	.0	.1	.3	.6	.4	.1	.1	.0
340.	*	.0	.2	.3	.6	.4	.1	.1	.0
345.	*	.0	.2	.3	.5	.4	.1	.1	.0
350.	*	.0	.2	.3	.6	.4	.1	.1	.1
355.	*	.0	.2	.3	.6	.3	.1	.1	.1
360.	*	.0	.2	.4	.6	.3	.1	.1	.1

MAX	*	.5	.5	.8	.9	.6	.8	.8	.6
DEGR.	*	145	85	60	55	30	60	55	55

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 250 DEGREES FROM REC9 .  
THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 245 DEGREES FROM REC10.  
THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 275 DEGREES FROM REC8 .

S19 Campus & US1 BRT2015AM				60.0321.0.0000.000280.30480000	1	1						
SE MID S	1016.	704.	5.0									
SE 164 S	1052.	778.	5.0									
SE 82 S	1086.	852.	5.0									
SE CNR	1139.	918.	5.0									
SE 82 E	1218.	892.	5.0									
SE 164 E	1289.	850.	5.0									
SE MID E	1359.	807.	5.0									
NE MID E	1401.	916.	5.0									
NE 164 E	1330.	961.	5.0									
NE 82 E	1262.	1001.	5.0									
NE CNR	1190.	1057.	5.0									
NE 82 N	1215.	1145.	5.0									
NE 164 N	1248.	1219.	5.0									
NE MID N	1283.	1293.	5.0									
NW MID N	1179.	1327.	5.0									
NW 164 N	1142.	1254.	5.0									
NW 82 N	1105.	1181.	5.0									
NW CNR	1066.	1108.	5.0									
NW 82 W	983.	1094.	5.0									
NW 164 W	902.	1094.	5.0									
NW MID W	820.	1092.	5.0									
SW MID W	728.	960.	5.0									
SW 164 W	810.	963.	5.0									
SW 82 W	892.	969.	5.0									
SW CNR	977.	945.	5.0									
SW 82 S	959.	857.	5.0									
SW 164 S	924.	783.	5.0									
SW MID S	876.	716.	5.0									
Campus & US1 BRT2015AM		78	1	0								
0	1	US1nbAP	AG	655.	112.	798.	406.	948	3.7	0	44	30.
0	1	US1nbAP	AG	798.	406.	942.	647.	948	3.7	0	44	30.
0	1	US1nbAP	AG	942.	647.	1009.	772.	948	3.7	0	44	30.
0	2	US1nbAP	AG	1008.	772.	1124.	1009.	667	3.7	0	44	30.
0	150	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24	2		
				84	6	667	37.8	1770	1	3		
0	2	US1nbL	AG	981.	776.	1092.	1003.	161	3.7	0	44	30.
0	150	US1nbLQ	AG	1051.	919.	996.	806.	0.	24	2		
				130	5	161	37.8	1717	1	3		
0	2	US1nbR	AG	1022.	756.	1118.	955.	120	3.7	0	32	30.
0	150	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12	1		
				84	6	120	37.8	1583	1	3		
0	1	US1nbd	AG	1125.	1010.	1325.	1430.	1192	3.7	0	44	30.
0	1	US1nbd	AG	1325.	1430.	1401.	1631.	1192	3.7	0	44	30.
0	1	US1nbd	AG	1401.	1631.	1488.	1926.	1192	3.7	0	44	30.
0	1	US1sbAP	AG	1443.	1894.	1339.	1601.	2469	3.7	0	44	30.
0	1	US1sbAP	AG	1339.	1601.	1279.	1462.	2469	3.7	0	44	30.
0	2	US1sbT	AG	1279.	1462.	1069.	1021.	1467	3.7	0	44	30.
0	150	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24	2		
				72	6	1467	37.8	1770	1	3		
0	2	US1sbL	AG	1299.	1450.	1090.	1015.	436	3.7	0	44	30.
0	150	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24	2		
				118	5	436	37.8	1717	1	3		
0	2	US1sbR	AG	1259.	1459.	1055.	1038.	566	3.7	0	32	30.
0	150	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12	1		
				72	6	566	37.8	1583	1	3		
0	1	US1sbD	AG	1068.	1020.	624.	131.	2162	3.7	0	44	30.
0	1	CMebA	AG	121.	788.	376.	896.	190	5.2	0	44	30.
0	1	CMebTL	AG	375.	897.	608.	964.	219	5.2	0	44	30.
0	1	CMebTL	AG	608.	964.	743.	984.	219	5.2	0	44	30.
0	2	CMebTL	AG	744.	982.	1049.	996.	219	5.2	0	44	30.
0	150	CMebTLQ	AG	993.	993.	754.	983.	0.	24	2		
				127	6	219	37.8	1726	1	3		
0	1	CMebR	AG	456.	912.	776.	925.	70	5.2	0	32	30.
0	1	CMebR	AG	776.	925.	866.	877.	70	5.2	0	32	30.
0	1	CMebR	AG	866.	877.	904.	809.	70	5.2	0	32	30.

0	1	CMebR	AG	904.	809.	909.	713.	70	5.2	0	32	30.
0	1	CMebD	AG	1046.	994.	1170.	944.	702	5.2	0	44	30.
0	1	CMebD	AG	1170.	944.	1373.	828.	702	5.2	0	44	30.
0	1	CMebD	AG	1373.	828.	1510.	701.	702	5.2	0	44	30.
0	1	CMebD	AG	1510.	701.	1597.	577.	702	5.2	0	44	30.
0	1	CMebD	AG	1597.	577.	1659.	437.	702	5.2	0	44	30.
0	1	CMebD	AG	1659.	437.	1699.	319.	702	5.2	0	44	30.
0	1	CMebD	AG	1699.	319.	1714.	179.	702	5.2	0	44	30.
0	1	CMwbA	AG	1736.	233.	1714.	361.	1555	5.2	0	44	30.
0	1	CMwbA	AG	1714.	361.	1641.	569.	1555	5.2	0	44	30.
0	1	CMwbA	AG	1641.	569.	1581.	691.	1555	5.2	0	44	30.
0	1	CMwbTL	AG	1569.	689.	1464.	803.	1103	5.2	0	56	30.
0	1	CMwbTL	AG	1464.	803.	1363.	886.	1103	5.2	0	56	30.
0	2	CMwbTL	AG	1363.	886.	1103.	1040.	1103	5.2	0	56	30.
0	150	CMwbTLQ	AG	1183.	992.	1357.	889.	0.	36	3		
0	1	CMwbR	AG	1581.	705.	1486.	813.	452	5.2	0	44	30.
0	1	CMwbR	AG	1486.	813.	1375.	908.	452	5.2	0	44	30.
0	2	CMwbR	AG	1375.	908.	1119.	1057.	452	5.2	0	44	30.
0	150	CMwbRQ	AG	1191.	1015.	1372.	910.	0.	24	2		
0	1	CMwbD	AG	1104.	1037.	957.	1069.	1205	5.2	0	44	30.
0	1	CMwbD	AG	957.	1069.	832.	1071.	1205	5.2	0	44	30.
0	1	CMwbD	AG	832.	1071.	672.	1030.	1205	5.2	0	44	30.
0	1	CMwbD2	AG	666.	1021.	295.	886.	546	5.2	0	32	30.
0	1	CMwbD2	AG	295.	886.	109.	808.	546	5.2	0	32	30.
0	1	BRTEb	AG	123.	782.	378.	891.	34	2.7	0	32	30.
0	1	BRTEb	AG	378.	891.	623.	962.	34	2.7	0	32	30.
0	1	BRTEb	AG	623.	962.	743.	978.	34	2.7	0	32	30.
0	2	BRTEb	AG	743.	978.	1045.	991.	34	2.7	0	32	30.
0	150	BRTEbQ	AG	994.	989.	754.	978.	0.	12	1		
0	1	BRTEbD	AG	1046.	990.	1170.	938.	34	2.7	0	32	30.
0	1	BRTEbD	AG	1170.	938.	1372.	822.	34	2.7	0	32	30.
0	1	BRTEbD	AG	1372.	822.	1504.	697.	34	2.7	0	32	30.
0	1	BRTEbD	AG	1504.	697.	1592.	573.	34	2.7	0	32	30.
0	1	BRTEbD	AG	1592.	573.	1655.	433.	34	2.7	0	32	30.
0	1	BRTEbD	AG	1655.	433.	1692.	315.	34	2.7	0	32	30.
0	1	BRTEbD	AG	1692.	315.	1703.	213.	34	2.7	0	32	30.
0	1	BRTwb	AG	1742.	243.	1722.	357.	34	2.7	0	32	30.
0	1	BRTwb	AG	1722.	357.	1649.	570.	34	2.7	0	32	30.
0	1	BRTwb	AG	1649.	570.	1589.	695.	34	2.7	0	32	30.
0	1	BRTwb	AG	1589.	695.	1492.	818.	34	2.7	0	32	30.
0	1	BRTwb	AG	1493.	818.	1378.	913.	34	2.7	0	32	30.
0	2	BRTwb	AG	1378.	913.	1121.	1060.	34	2.7	0	32	30.
0	150	BRTwbQ	AG	1193.	1019.	1372.	916.	0.	12	1		
0	1	BRTwbD	AG	1120.	1060.	952.	1077.	34	2.7	0	32	30.
0	1	BRTwbD	AG	952.	1077.	829.	1077.	34	2.7	0	32	30.

0		BRTwbD	AG	829.	1077.	668.	1030.	34	2.7	0	32	30.
0	1	BRTwbD	AG	668.	1030.	446.	944.	34	2.7	0	32	30.
0	1	BRTwbD	AG	446.	944.	243.	868.	34	2.7	0	32	30.
0	1	BRTwbD	AG	243.	868.	116.	814.	34	2.7	0	32	30.
1.0	04	1000	0Y	5	0	72						



JOB: S19 Campus & US1 BRT2015AM  
 DATE: 12/11/2007 TIME: 13:40:45.75

RUN: Campus & US1 BRT2015AM

# SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
			X1	Y1	X2	Y2								
1. 0	US1nbAP	*	655.0	112.0	798.0	406.0	*	327.	26. AG	948.	3.7	.0	44.0	
2. 0	US1nbAP	*	798.0	406.0	942.0	647.0	*	281.	31. AG	948.	3.7	.0	44.0	
3. 0	US1nbAP	*	942.0	647.0	1009.0	772.0	*	142.	28. AG	948.	3.7	.0	44.0	
4. 0	US1nbAP	*	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	667.	3.7	.0	44.0	
5. 0	US1nbTQ	*	1075.0	909.0	1008.2	771.4	*	153.	206. AG	114.	100.0	.0	24.0	.45 7.8
6. 0	US1nbL	*	981.0	776.0	1092.0	1003.0	*	253.	26. AG	161.	3.7	.0	44.0	
7. 0	US1nbLQ	*	1051.0	919.0	1026.1	867.9	*	57.	206. AG	176.	100.0	.0	24.0	.40 2.9
8. 0	US1nbR	*	1022.0	756.0	1118.0	955.0	*	221.	26. AG	120.	3.7	.0	32.0	
9. 0	US1nbRQ	*	1092.0	901.0	1068.0	851.4	*	55.	206. AG	57.	100.0	.0	12.0	.18 2.8
10. 0	US1nbD	*	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	1192.	3.7	.0	44.0	
11. 0	US1nbD	*	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	1192.	3.7	.0	44.0	
12. 0	US1nbD	*	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	1192.	3.7	.0	44.0	
13. 0	US1sbAP	*	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2469.	3.7	.0	44.0	
14. 0	US1sbAP	*	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2469.	3.7	.0	44.0	
15. 0	US1sbT	*	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1467.	3.7	.0	44.0	
16. 0	US1sbTQ	*	1111.0	1110.0	1235.4	1370.4	*	289.	26. AG	97.	100.0	.0	24.0	.82 14.7
17. 0	US1sbL	*	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	436.	3.7	.0	44.0	
18. 0	US1sbLQ	*	1130.0	1099.0	1191.2	1225.6	*	141.	26. AG	160.	100.0	.0	24.0	.65 7.1
19. 0	US1sbR	*	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	566.	3.7	.0	32.0	
20. 0	US1sbRQ	*	1094.0	1118.0	1191.2	1318.5	*	223.	26. AG	49.	100.0	.0	12.0	.71 11.3
21. 0	US1sbD	*	1068.0	1020.0	624.0	131.0	*	994.	207. AG	2162.	3.7	.0	44.0	
22. 0	CMebA	*	121.0	788.0	376.0	896.0	*	277.	67. AG	190.	5.2	.0	44.0	
23. 0	CMebTL	*	375.0	897.0	608.0	964.0	*	242.	74. AG	219.	5.2	.0	44.0	
24. 0	CMebTL	*	608.0	964.0	743.0	984.0	*	136.	82. AG	219.	5.2	.0	44.0	
25. 0	CMebTL	*	744.0	982.0	1049.0	996.0	*	305.	87. AG	219.	5.2	.0	44.0	
26. 0	CMebTLQ	*	993.0	993.0	917.4	989.8	*	76.	268. AG	172.	100.0	.0	24.0	.47 3.8
27. 0	CMebR	*	456.0	912.0	776.0	925.0	*	320.	88. AG	70.	5.2	.0	32.0	
28. 0	CMebR	*	776.0	925.0	866.0	877.0	*	102.	118. AG	70.	5.2	.0	32.0	
29. 0	CMebR	*	866.0	877.0	904.0	809.0	*	78.	151. AG	70.	5.2	.0	32.0	
30. 0	CMebR	*	904.0	809.0	909.0	713.0	*	96.	177. AG	70.	5.2	.0	32.0	
31. 0	CMebD	*	1046.0	994.0	1170.0	944.0	*	134.	112. AG	702.	5.2	.0	44.0	
32. 0	CMebD	*	1170.0	944.0	1373.0	828.0	*	234.	120. AG	702.	5.2	.0	44.0	
33. 0	CMebD	*	1373.0	828.0	1510.0	701.0	*	187.	133. AG	702.	5.2	.0	44.0	
34. 0	CMebD	*	1510.0	701.0	1597.0	577.0	*	151.	145. AG	702.	5.2	.0	44.0	
35. 0	CMebD	*	1597.0	577.0	1659.0	437.0	*	153.	156. AG	702.	5.2	.0	44.0	
36. 0	CMebD	*	1659.0	437.0	1699.0	319.0	*	125.	161. AG	702.	5.2	.0	44.0	
37. 0	CMebD	*	1699.0	319.0	1714.0	179.0	*	141.	174. AG	702.	5.2	.0	44.0	
38. 0	CMwbA	*	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1555.	5.2	.0	44.0	
39. 0	CMwbA	*	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1555.	5.2	.0	44.0	
40. 0	CMwbA	*	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1555.	5.2	.0	44.0	
41. 0	CMwbTL	*	1569.0	689.0	1464.0	803.0	*	155.	317. AG	1103.	5.2	.0	56.0	
42. 0	CMwbTL	*	1464.0	803.0	1363.0	886.0	*	131.	309. AG	1103.	5.2	.0	56.0	
43. 0	CMwbTL	*	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	1103.	5.2	.0	56.0	
44. 0	CMwbTLQ	*	1183.0	992.0	1425.9	848.2	*	282.	121. AG	227.	100.0	.0	36.0	.95 14.3

JOB: S19 Campus & US1 BRT2015AM  
 DATE: 12/11/2007 TIME: 13:40:45.75

RUN: Campus & US1 BRT2015AM

## LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
			X1	Y1	X2	Y2								
45. 0	CMwbR	*	1581.0	705.0	1486.0	813.0	*	144.	319. AG	452.	5.2	.0	44.0	
46. 0	CMwbR	*	1486.0	813.0	1375.0	908.0	*	146.	311. AG	452.	5.2	.0	44.0	
47. 0	CMwbR	*	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	452.	5.2	.0	44.0	
48. 0	CMwbRQ	*	1191.0	1015.0	1287.2	959.2	*	111.	120. AG	122.	100.0	.0	24.0	.42 5.7
49. 0	CMwbD	*	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	1205.	5.2	.0	44.0	
50. 0	CMwbD	*	957.0	1069.0	832.0	1071.0	*	125.	271. AG	1205.	5.2	.0	44.0	
51. 0	CMwbD	*	832.0	1071.0	672.0	1030.0	*	165.	256. AG	1205.	5.2	.0	44.0	
52. 0	CMwbD2	*	666.0	1021.0	295.0	886.0	*	395.	250. AG	546.	5.2	.0	32.0	
53. 0	CMwbD2	*	295.0	886.0	109.0	808.0	*	202.	247. AG	546.	5.2	.0	32.0	
54. 0	BRTeb	*	123.0	782.0	378.0	891.0	*	277.	67. AG	34.	2.7	.0	32.0	
55. 0	BRTeb	*	378.0	891.0	623.0	962.0	*	255.	74. AG	34.	2.7	.0	32.0	
56. 0	BRTeb	*	623.0	962.0	743.0	978.0	*	121.	82. AG	34.	2.7	.0	32.0	
57. 0	BRTeb	*	743.0	978.0	1045.0	991.0	*	302.	88. AG	34.	2.7	.0	32.0	
58. 0	BRTebQ	*	994.0	989.0	970.4	987.9	*	24.	267. AG	23.	100.0	.0	12.0	.15 1.2
59. 0	BRTebD	*	1046.0	990.0	1170.0	938.0	*	134.	113. AG	34.	2.7	.0	32.0	
60. 0	BRTebD	*	1170.0	938.0	1372.0	822.0	*	233.	120. AG	34.	2.7	.0	32.0	
61. 0	BRTebD	*	1372.0	822.0	1504.0	697.0	*	182.	133. AG	34.	2.7	.0	32.0	
62. 0	BRTebD	*	1504.0	697.0	1592.0	573.0	*	152.	145. AG	34.	2.7	.0	32.0	
63. 0	BRTebD	*	1592.0	573.0	1655.0	433.0	*	154.	156. AG	34.	2.7	.0	32.0	
64. 0	BRTebD	*	1655.0	433.0	1692.0	315.0	*	124.	163. AG	34.	2.7	.0	32.0	
65. 0	BRTebD	*	1692.0	315.0	1703.0	213.0	*	103.	174. AG	34.	2.7	.0	32.0	
66. 0	BRTwb	*	1742.0	243.0	1722.0	357.0	*	116.	350. AG	34.	2.7	.0	32.0	
67. 0	BRTwb	*	1722.0	357.0	1649.0	570.0	*	225.	341. AG	34.	2.7	.0	32.0	
68. 0	BRTwb	*	1649.0	570.0	1589.0	695.0	*	139.	334. AG	34.	2.7	.0	32.0	
69. 0	BRTwb	*	1589.0	695.0	1492.0	818.0	*	157.	322. AG	34.	2.7	.0	32.0	

70.0	BRTwb	*	1493.0	818.0	1378.0	913.0	*	149.	310. AG	34.	2.7	.0	32.0
71.0	BRTwb	*	1378.0	913.0	1121.0	1060.0	*	296.	300. AG	34.	2.7	.0	32.0
72.0	BRTwbQ	*	1193.0	1019.0	1210.9	1008.7	*	21.	120. AG	20.	100.0	.0	12.0
73.0	BRTwbD	*	1120.0	1060.0	952.0	1077.0	*	169.	276. AG	34.	2.7	.0	32.0
74.0	BRTwbD	*	952.0	1077.0	829.0	1077.0	*	123.	270. AG	34.	2.7	.0	32.0
75.0	BRTwbD	*	829.0	1077.0	668.0	1030.0	*	168.	254. AG	34.	2.7	.0	32.0
76.0	BRTwbD	*	668.0	1030.0	446.0	944.0	*	238.	249. AG	34.	2.7	.0	32.0
77.0	BRTwbD	*	446.0	944.0	243.0	868.0	*	217.	249. AG	34.	2.7	.0	32.0
78.0	BRTwbD	*	243.0	868.0	116.0	814.0	*	138.	247. AG	34.	2.7	.0	32.0

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JOB: S19 Campus & US1 BRT2015AM  
DATE: 12/11/2007 TIME: 13:40:45.75

RUN: Campus & US1 BRT2015AM

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5.0	US1nbTQ	*	150	84	.6	667	1770	37.80	1 3
7.0	US1nbLQ	*	150	130	.5	161	1717	37.80	1 3
9.0	US1nbRQ	*	150	84	.6	120	1583	37.80	1 3
16.0	US1sbTQ	*	150	72	.6	1467	1770	37.80	1 3
18.0	US1sbLQ	*	150	118	.5	436	1717	37.80	1 3
20.0	US1sbRQ	*	150	72	.6	566	1583	37.80	1 3
26.0	CMebTLQ	*	150	127	.6	219	1726	37.80	1 3
44.0	CMwbTLQ	*	150	112	.6	1103	1646	37.80	1 3
48.0	CMwbRQ	*	150	90	.6	452	1394	37.80	1 3
58.0	BRTebQ	*	150	127	.6	34	1726	10.10	1 3
72.0	BRTwbQ	*	150	111	.6	34	1646	10.10	1 3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.5	.5	.6	.9	.7	.7	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
5.	*	.5	.5	.6	.6	.7	.7	.6	.0	.0	.0	.4	.3	.3	.0	.0	.0	.0	.0	.0	.0
10.	*	.5	.6	.6	.6	.7	.6	.6	.0	.0	.0	.4	.4	.3	.4	.0	.0	.0	.0	.0	.0
15.	*	.5	.4	.6	.7	.7	.6	.6	.0	.0	.0	.4	.3	.2	.4	.1	.1	.1	.0	.0	.0
20.	*	.1	.2	.5	.5	.7	.6	.6	.0	.0	.0	.1	.2	.2	.2	.2	.2	.4	.4	.0	.0
25.	*	.1	.2	.3	.5	.7	.6	.6	.0	.0	.0	.1	.2	.2	.2	.4	.4	.4	.4	.0	.0
30.	*	.2	.1	.2	.5	.7	.6	.7	.0	.0	.0	.1	.1	.1	.1	.4	.4	.4	.5	.0	.0
35.	*	.1	.1	.2	.5	.7	.6	.6	.0	.0	.0	.1	.1	.1	.1	.4	.5	.6	.6	.0	.0
40.	*	.1	.1	.3	.5	.7	.6	.5	.0	.0	.0	.1	.1	.1	.1	.5	.6	.6	.7	.2	.0
45.	*	.1	.1	.4	.6	.7	.6	.5	.0	.0	.0	.1	.1	.1	.1	.5	.6	.7	.9	.2	.0
50.	*	.1	.1	.4	.6	.7	.6	.5	.0	.0	.0	.0	.0	.0	.0	.4	.7	.9	.9	.3	.0
55.	*	.1	.1	.4	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.5	.7	1.0	.9	.3	.1

60.	*	.1	.1	.3	.6	.6	.6	.4	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.2
65.	*	.1	.1	.3	.6	.6	.7	.3	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
70.	*	.1	.1	.3	.6	.6	.6	.3	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
75.	*	.1	.1	.2	.7	.6	.6	.3	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
80.	*	.0	.1	.2	.7	.7	.5	.2	.0	.0	.0	.0	.0	.0	.6	.7	.9	.6	.3	.3
85.	*	.0	.1	.2	.6	.7	.5	.2	.0	.0	.0	.0	.0	.0	.6	.7	.9	.6	.2	.4
90.	*	.0	.0	.1	.5	.7	.5	.2	.0	.0	.0	.0	.0	.0	.6	.7	.8	.6	.2	.3
95.	*	.0	.0	.1	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0	.6	.6	.9	.5	.2	.3
100.	*	.0	.0	.1	.5	.6	.3	.3	.0	.0	.0	.0	.0	.0	.6	.6	.9	.5	.3	.3
105.	*	.0	.0	.0	.3	.4	.3	.3	.0	.0	.0	.0	.0	.0	.6	.7	.9	.5	.4	.5
110.	*	.0	.0	.0	.3	.4	.4	.3	.0	.0	.1	.0	.0	.0	.6	.8	.9	.5	.5	.5
115.	*	.0	.0	.0	.2	.3	.2	.3	.0	.0	.2	.1	.0	.0	.6	.8	.9	.6	.6	.5
120.	*	.0	.0	.0	.2	.2	.2	.3	.0	.1	.3	.3	.0	.0	.7	.8	.9	.7	.6	.4
125.	*	.0	.0	.0	.0	.1	.2	.2	.1	.2	.5	.5	.0	.0	.7	.9	1.0	.8	.5	.5
130.	*	.0	.0	.0	.0	.1	.1	.1	.1	.4	.6	.7	.0	.0	.7	.8	1.0	.8	.4	.6
135.	*	.0	.0	.0	.0	.1	.0	.1	.2	.5	.7	.8	.1	.0	.7	1.0	1.0	.7	.4	.4
140.	*	.0	.0	.0	.0	.0	.0	.1	.4	.6	.9	.8	.1	.0	.7	1.0	1.2	.5	.4	.4
145.	*	.0	.0	.0	.0	.0	.0	.1	.4	.7	.9	.9	.2	.0	.7	1.0	1.3	.5	.3	.4
150.	*	.0	.0	.0	.0	.0	.0	.0	.5	.8	1.0	1.0	.2	.1	.8	1.1	1.3	.5	.3	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.6	.8	1.1	.9	.3	.1	.8	1.1	1.2	.5	.3	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.5	.8	1.1	.8	.4	.1	1.0	1.1	1.1	.4	.4	.4
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.8	.4	.1	1.1	1.2	1.0	.4	.6	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.2	.8	.4	.2	1.1	1.2	.9	.4	.5	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.8	.7	1.1	.6	.4	.2	1.1	1.1	.6	.4	.5	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.9	.7	1.1	.6	.4	.2	1.2	1.1	.7	.5	.4	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.5	.4	.3	1.2	.9	.6	.6	.4	.3
190.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.5	.4	.2	.9	.8	.6	.6	.4	.3
195.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.4	.3	.2	.9	.7	.5	.4	.4	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.1	.3	.4	.2	.8	.6	.5	.3	.4	.2
205.	*	.0	.1	.2	.0	.0	.0	.0	.7	.8	1.1	.5	.3	.3	.4	.6	.5	.4	.4	.2

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WIND	*	CONCENTRATION																			
ANGLE	*	(PPM)																			
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.2	.2	.2	.0	.0	.0	.7	.8	1.1	.4	.4	.4	.4	.5	.5	.3	.3	.4	.2
215.	*	.2	.2	.2	.2	.0	.0	.0	.7	.8	1.1	.4	.4	.4	.6	.5	.3	.3	.3	.3	.2
220.	*	.2	.2	.4	.2	.1	.0	.0	.8	.8	1.1	.4	.3	.5	.6	.1	.0	.2	.3	.3	.2
225.	*	.3	.2	.4	.4	.1	.0	.0	.9	.9	1.1	.5	.4	.7	.6	.0	.0	.1	.2	.2	.2
230.	*	.3	.2	.4	.4	.1	.1	.0	.9	.9	1.2	.4	.5	.6	.5	.0	.0	.0	.2	.2	.2
235.	*	.2	.2	.4	.6	.1	.1	.0	.9	.9	1.2	.4	.5	.7	.5	.0	.0	.0	.2	.2	.3
240.	*	.2	.2	.5	.6	.2	.1	.0	.9	.9	1.3	.4	.5	.7	.5	.0	.0	.0	.2	.3	.3
245.	*	.2	.3	.5	.6	.2	.1	.0	.9	.8	1.1	.4	.7	.7	.5	.0	.0	.0	.1	.3	.3
250.	*	.2	.3	.5	.5	.2	.1	.0	.8	1.0	1.2	.6	.6	.7	.4	.0	.0	.0	.2	.3	.3
255.	*	.2	.3	.5	.4	.2	.1	.0	1.0	1.0	1.2	.6	.6	.7	.4	.0	.0	.0	.2	.3	.3
260.	*	.2	.3	.6	.4	.3	.2	.0	.9	1.0	1.1	.6	.6	.6	.4	.0	.0	.0	.1	.3	.3
265.	*	.2	.3	.6	.4	.3	.2	.0	1.0	1.1	1.1	.5	.5	.6	.4	.0	.0	.0	.1	.2	.3
270.	*	.2	.3	.7	.4	.3	.2	.0	.9	1.0	.8	.4	.6	.5	.3	.0	.0	.0	.0	.1	.2
275.	*	.2	.3	.7	.3	.3	.2	.0	.8	.9	.7	.3	.6	.4	.3	.0	.0	.0	.0	.1	.2
280.	*	.2	.4	.7	.4	.2	.1	.0	.9	.9	.6	.3	.6	.4	.3	.0	.0	.0	.0	.1	.1
285.	*	.2	.4	.7	.3	.1	.2	.0	.9	.8	.5	.3	.6	.4	.3	.0	.0	.0	.0	.0	.1
290.	*	.2	.4	.8	.3	.2	.1	.1	.7	.6	.4	.2	.7	.5	.4	.0	.0	.0	.0	.0	.0
295.	*	.2	.4	.8	.3	.3	.1	.1	.6	.6	.3	.3	.7	.4	.4	.0	.0	.0	.0	.0	.0
300.	*	.2	.4	.8	.4	.3	.1	.2	.5	.5	.3	.3	.7	.4	.4	.0	.0	.0	.0	.0	.0
305.	*	.2	.5	.9	.4	.2	.2	.3	.4	.4	.4	.4	.6	.3	.3	.0	.0	.0	.0	.0	.0
310.	*	.2	.5	1.0	.4	.2	.4	.5	.3	.3	.2	.4	.6	.3	.3	.0	.0	.0	.0	.0	.0
315.	*	.2	.4	1.0	.4	.3	.5	.6	.0	.2	.2	.5	.6	.3	.3	.0	.0	.0	.0	.0	.0
320.	*	.2	.4	.9	.4	.3	.5	.7	.0	.2	.4	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0
325.	*	.2	.5	.9	.4	.3	.7	.8	.0	.2	.4	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
330.	*	.2	.7	.9	.3	.3	.7	.8	.0	.2	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
335.	*	.2	.7	.7	.3	.5	.9	.7	.0	.1	.4	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0
340.	*	.3	.7	.7	.2	.8	.8	.6	.0	.0	.4	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0
345.	*	.3	.6	.7	.3	1.0	.7	.6	.0	.0	.4	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0
350.	*	.3	.6	.6	.6	1.0	.7	.6	.0	.0	.2	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0
355.	*	.3	.6	.4	.6	.9	.7	.7	.0	.0	.1	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
360.	*	.5	.5	.5	.6	.9	.7	.7	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
MAX	*	.5	.7	1.0	.7	1.0	.9	.8	1.0	1.1	1.3	1.0	.7	.7	.6	1.2	1.2	1.3	.9	.6	.6
DEGR.	*	0	330	310	15	345	335	325	255	265	240	150	245	225	215	180	165	145	45	115	130

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JOB: S19 Campus &amp; US1 BRT2015AM

RUN: Campus &amp; US1 BRT2015AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	*	CONCENTRATION							
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.1	.1	.1	.4	.1	.2	.0
5.	*	.0	.1	.1	.1	.3	.2	.2	.0
10.	*	.0	.1	.0	.1	.3	.2	.2	.0
15.	*	.0	.1	.0	.1	.3	.2	.3	.1

20.	*	.0	.1	.1	.1	.3	.3	.2	.1
25.	*	.0	.1	.1	.2	.4	.3	.3	.1
30.	*	.0	.1	.1	.2	.5	.5	.3	.2
35.	*	.0	.1	.1	.1	.6	.5	.5	.2
40.	*	.0	.1	.1	.3	.6	.5	.6	.4
45.	*	.0	.1	.1	.5	.6	.5	.6	.4
50.	*	.0	.0	.1	.8	.5	.4	.7	.5
55.	*	.0	.0	.1	.7	.3	.5	.7	.5
60.	*	.0	.0	.2	.7	.2	.7	.7	.5
65.	*	.0	.0	.2	.6	.3	.7	.5	.5
70.	*	.2	.0	.2	.6	.5	.7	.5	.5
75.	*	.1	.1	.2	.7	.5	.7	.5	.3
80.	*	.2	.1	.3	.6	.5	.6	.5	.3
85.	*	.1	.2	.3	.5	.5	.6	.5	.2
90.	*	.2	.2	.3	.4	.5	.6	.4	.2
95.	*	.4	.1	.3	.4	.5	.5	.4	.3
100.	*	.4	.2	.2	.3	.5	.4	.4	.3
105.	*	.4	.2	.2	.4	.4	.4	.3	.3
110.	*	.4	.1	.1	.3	.5	.4	.3	.2
115.	*	.4	.1	.2	.3	.5	.4	.3	.2
120.	*	.4	.1	.2	.3	.5	.4	.4	.2
125.	*	.5	.1	.1	.3	.5	.4	.4	.2
130.	*	.5	.1	.1	.3	.5	.4	.4	.2
135.	*	.5	.1	.1	.2	.5	.4	.4	.2
140.	*	.4	.1	.1	.2	.5	.4	.4	.2
145.	*	.3	.1	.1	.2	.4	.4	.4	.2
150.	*	.3	.1	.1	.1	.4	.4	.4	.2
155.	*	.3	.1	.1	.1	.4	.4	.4	.2
160.	*	.3	.1	.1	.1	.4	.3	.3	.2
165.	*	.4	.1	.1	.1	.3	.3	.3	.4
170.	*	.3	.1	.1	.1	.3	.3	.3	.4
175.	*	.3	.1	.1	.1	.3	.4	.4	.4
180.	*	.3	.1	.1	.1	.2	.4	.4	.4
185.	*	.3	.0	.1	.1	.2	.4	.4	.3
190.	*	.2	.0	.1	.1	.2	.4	.4	.3
195.	*	.2	.0	.0	.1	.2	.4	.4	.3
200.	*	.2	.0	.0	.1	.2	.4	.4	.3
205.	*	.2	.0	.0	.0	.2	.4	.4	.2

1

JOB: S19 Campus & US1 BRT2015AM

RUN: Campus & US1 BRT2015AM

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION								
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.2	.0	.0	.0	.1	.3	.3	.2
215.	*	.2	.0	.0	.0	.1	.2	.3	.1
220.	*	.3	.0	.0	.0	.0	.2	.2	.1
225.	*	.3	.0	.0	.0	.0	.1	.1	.0
230.	*	.3	.0	.0	.0	.0	.1	.1	.0
235.	*	.3	.0	.0	.0	.0	.0	.1	.0
240.	*	.3	.0	.0	.0	.0	.0	.0	.0
245.	*	.3	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.0	.0	.0	.0	.0	.0	.0
260.	*	.2	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.0	.0	.1	.0	.0	.0	.0
280.	*	.0	.0	.0	.1	.0	.0	.0	.0
285.	*	.0	.0	.0	.1	.0	.0	.0	.0
290.	*	.0	.0	.0	.2	.1	.0	.0	.0
295.	*	.0	.0	.0	.2	.1	.0	.0	.0
300.	*	.0	.0	.1	.2	.1	.0	.0	.0
305.	*	.0	.0	.1	.1	.2	.0	.0	.0
310.	*	.0	.0	.1	.1	.2	.0	.0	.0
315.	*	.0	.0	.1	.1	.3	.0	.0	.0
320.	*	.0	.0	.1	.1	.4	.0	.0	.0
325.	*	.0	.1	.1	.0	.4	.0	.0	.0
330.	*	.0	.1	.1	.0	.4	.0	.0	.0
335.	*	.0	.1	.1	.1	.4	.1	.0	.0
340.	*	.0	.1	.1	.1	.4	.1	.0	.0
345.	*	.0	.1	.1	.1	.3	.1	.0	.0
350.	*	.0	.1	.1	.1	.3	.1	.0	.0
355.	*	.0	.1	.1	.1	.3	.1	.0	.0
360.	*	.0	.1	.1	.1	.4	.1	.2	.0
MAX	*	.5	.2	.3	.8	.6	.7	.7	.5
DEGR.	*	125	85	80	50	35	60	50	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 240 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 145 DEGREES FROM REC17.  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 180 DEGREES FROM REC15.

S19 Campus & US1 BRT2015PM				60.0321.0.0000.000280.30480000	1	1					
SE MID S		1016.	704.	5.0							
SE 164 S		1052.	778.	5.0							
SE 82 S		1086.	852.	5.0							
SE CNR		1139.	918.	5.0							
SE 82 E		1218.	892.	5.0							
SE 164 E		1289.	850.	5.0							
SE MID E		1359.	807.	5.0							
NE MID E		1401.	916.	5.0							
NE 164 E		1330.	961.	5.0							
NE 82 E		1262.	1001.	5.0							
NE CNR		1190.	1057.	5.0							
NE 82 N		1215.	1145.	5.0							
NE 164 N		1248.	1219.	5.0							
NE MID N		1283.	1293.	5.0							
NW MID N		1179.	1327.	5.0							
NW 164 N		1142.	1254.	5.0							
NW 82 N		1105.	1181.	5.0							
NW CNR		1066.	1108.	5.0							
NW 82 W		983.	1094.	5.0							
NW 164 W		902.	1094.	5.0							
NW MID W		820.	1092.	5.0							
SW MID W		728.	960.	5.0							
SW 164 W		810.	963.	5.0							
SW 82 W		892.	969.	5.0							
SW CNR		977.	945.	5.0							
SW 82 S		959.	857.	5.0							
SW 164 S		924.	783.	5.0							
SW MID S		876.	716.	5.0							
Campus & US1 BRT2015PM			78	1	0						
1											
0	US1nbAP	AG	655.	112.	798.	406.	1820	3.7	0	44	30.
1											
0	US1nbAP	AG	798.	406.	942.	647.	1820	3.7	0	44	30.
1											
0	US1nbAP	AG	942.	647.	1009.	772.	1820	3.7	0	44	30.
1											
0	US1nbAP	AG	1008.	772.	1124.	1009.	1247	3.7	0	44	30.
2											
0	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24	2		
150		82	6	1247	37.8	1770	1	3			
1											
0	US1nbL	AG	981.	776.	1092.	1003.	152	3.7	0	44	30.
2											
0	US1nbLQ	AG	1051.	919.	996.	806.	0.	24	2		
150		131	5	152	37.8	1717	1	3			
1											
0	US1nbR	AG	1022.	756.	1118.	955.	421	3.7	0	32	30.
2											
0	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12	1		
150		82	6	421	37.8	1583	1	3			
1											
0	US1nbD	AG	1125.	1010.	1325.	1430.	2457	3.7	0	44	30.
1											
0	US1nbD	AG	1325.	1430.	1401.	1631.	2457	3.7	0	44	30.
1											
0	US1nbD	AG	1401.	1631.	1488.	1926.	2457	3.7	0	44	30.
1											
0	US1sbAP	AG	1443.	1894.	1339.	1601.	1828	3.7	0	44	30.
1											
0	US1sbAP	AG	1339.	1601.	1279.	1462.	1828	3.7	0	44	30.
1											
0	US1sbT	AG	1279.	1462.	1069.	1021.	1095	3.7	0	44	30.
2											
0	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24	2		
150		72	6	1095	37.8	1770	1	3			
1											
0	US1sbL	AG	1299.	1450.	1090.	1015.	405	3.7	0	44	30.
2											
0	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24	2		
150		121	5	405	37.8	1717	1	3			
1											
0	US1sbR	AG	1259.	1459.	1055.	1038.	328	3.7	0	32	30.
2											
0	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12	1		
150		72	6	328	37.8	1583	1	3			
1											
0	US1sbD	AG	1068.	1020.	624.	131.	1585	3.7	0	44	30.
1											
0	CMebA	AG	121.	788.	376.	896.	500	5.2	0	44	30.
1											
0	CMebTL	AG	375.	897.	608.	964.	632	5.2	0	44	30.
1											
0	CMebTL	AG	608.	964.	743.	984.	632	5.2	0	44	30.
1											
0	CMebTL	AG	744.	982.	1049.	996.	632	5.2	0	44	30.
2											
0	CMebTLQ	AG	993.	993.	754.	983.	0.	24	2		
150		108	6	632	37.8	1726	1	3			
1											
0	CMebR	AG	456.	912.	776.	925.	138	5.2	0	32	30.
1											
0	CMebR	AG	776.	925.	866.	877.	138	5.2	0	32	30.
1											
0	CMebR	AG	866.	877.	904.	809.	138	5.2	0	32	30.

0	1	CMebR	AG	904.	809.	909.	713.	138	5.2	0	32	30.
0	1	CMebD	AG	1046.	994.	1170.	944.	1146	5.2	0	44	30.
0	1	CMebD	AG	1170.	944.	1373.	828.	1146	5.2	0	44	30.
0	1	CMebD	AG	1373.	828.	1510.	701.	1146	5.2	0	44	30.
0	1	CMebD	AG	1510.	701.	1597.	577.	1146	5.2	0	44	30.
0	1	CMebD	AG	1597.	577.	1659.	437.	1146	5.2	0	44	30.
0	1	CMebD	AG	1659.	437.	1699.	319.	1146	5.2	0	44	30.
0	1	CMebD	AG	1699.	319.	1714.	179.	1146	5.2	0	44	30.
0	1	CMwbA	AG	1736.	233.	1714.	361.	1476	5.2	0	44	30.
0	1	CMwbA	AG	1714.	361.	1641.	569.	1476	5.2	0	44	30.
0	1	CMwbA	AG	1641.	569.	1581.	691.	1476	5.2	0	44	30.
0	1	CMwbTL	AG	1569.	689.	1464.	803.	578	5.2	0	56	30.
0	1	CMwbTL	AG	1464.	803.	1363.	886.	578	5.2	0	56	30.
0	2	CMwbTL	AG	1363.	886.	1103.	1040.	578	5.2	0	56	30.
0	150	CMwbTLQ	AG	1183.	992.	1357.	889.	0.	36	3		
0	1	CMwbR	AG	1581.	705.	1486.	813.	898	5.2	0	44	30.
0	1	CMwbR	AG	1486.	813.	1375.	908.	898	5.2	0	44	30.
0	2	CMwbR	AG	1375.	908.	1119.	1057.	898	5.2	0	44	30.
0	150	CMwbRQ	AG	1191.	1015.	1372.	910.	0.	24	2		
0	1	CMwbD	AG	1104.	1037.	957.	1069.	706	5.2	0	44	30.
0	1	CMwbD	AG	957.	1069.	832.	1071.	706	5.2	0	44	30.
0	1	CMwbD	AG	832.	1071.	672.	1030.	706	5.2	0	44	30.
0	1	CMwbD2	AG	666.	1021.	295.	886.	435	5.2	0	32	30.
0	1	CMwbD2	AG	295.	886.	109.	808.	435	5.2	0	32	30.
0	1	BRTEb	AG	123.	782.	378.	891.	34	2.8	0	32	30.
0	1	BRTEb	AG	378.	891.	623.	962.	34	2.8	0	32	30.
0	1	BRTEb	AG	623.	962.	743.	978.	34	2.8	0	32	30.
0	2	BRTEb	AG	743.	978.	1045.	991.	34	2.8	0	32	30.
0	150	BRTEbQ	AG	994.	989.	754.	978.	0.	12	1		
0	1	BRTEbD	AG	1046.	990.	1170.	938.	34	2.8	0	32	30.
0	1	BRTEbD	AG	1170.	938.	1372.	822.	34	2.8	0	32	30.
0	1	BRTEbD	AG	1372.	822.	1504.	697.	34	2.8	0	32	30.
0	1	BRTEbD	AG	1504.	697.	1592.	573.	34	2.8	0	32	30.
0	1	BRTEbD	AG	1592.	573.	1655.	433.	34	2.8	0	32	30.
0	1	BRTEbD	AG	1655.	433.	1692.	315.	34	2.8	0	32	30.
0	1	BRTEbD	AG	1692.	315.	1703.	213.	34	2.8	0	32	30.
0	1	BRTwb	AG	1742.	243.	1722.	357.	34	2.8	0	32	30.
0	1	BRTwb	AG	1722.	357.	1649.	570.	34	2.8	0	32	30.
0	1	BRTwb	AG	1649.	570.	1589.	695.	34	2.8	0	32	30.
0	1	BRTwb	AG	1589.	695.	1492.	818.	34	2.8	0	32	30.
0	1	BRTwb	AG	1493.	818.	1378.	913.	34	2.8	0	32	30.
0	2	BRTwb	AG	1378.	913.	1121.	1060.	34	2.8	0	32	30.
0	150	BRTwbQ	AG	1193.	1019.	1372.	916.	0.	12	1		
0	1	BRTwbD	AG	1120.	1060.	952.	1077.	34	2.8	0	32	30.
0	1	BRTwbD	AG	952.	1077.	829.	1077.	34	2.8	0	32	30.



JOB: S19 Campus & US1 BRT2015PM  
 DATE: 12/11/2007 TIME: 13:47:06.50

RUN: Campus & US1 BRT2015PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	1820.	3.7	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	1820.	3.7	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	1820.	3.7	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	1247.	3.7	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	953.1	657.7	*	279.	206. AG	111.	100.0	.0	24.0	.81 14.2
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	152.	3.7	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1027.2	870.1	*	54.	206. AG	177.	100.0	.0	24.0	.40 2.8
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	421.	3.7	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1009.9	731.0	*	189.	206. AG	55.	100.0	.0	12.0	.61 9.6
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	2457.	3.7	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	2457.	3.7	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	2457.	3.7	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	1828.	3.7	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	1828.	3.7	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1095.	3.7	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1203.9	1304.3	*	215.	26. AG	97.	100.0	.0	24.0	.62 10.9
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	405.	3.7	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1188.2	1219.3	*	134.	26. AG	164.	100.0	.0	24.0	.67 6.8
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	328.	3.7	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1150.3	1234.2	*	129.	26. AG	49.	100.0	.0	12.0	.41 6.6
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	1585.	3.7	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	500.	5.2	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	632.	5.2	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	632.	5.2	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	632.	5.2	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	806.5	985.2	*	187.	268. AG	146.	100.0	.0	24.0	.70 9.5
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	138.	5.2	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	138.	5.2	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	138.	5.2	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	138.	5.2	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	1146.	5.2	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	1146.	5.2	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	1146.	5.2	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	1146.	5.2	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	1146.	5.2	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	1146.	5.2	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	1146.	5.2	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1476.	5.2	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1476.	5.2	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1476.	5.2	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	578.	5.2	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	578.	5.2	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	578.	5.2	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1327.6	906.4	*	168.	121. AG	260.	100.0	.0	36.0	.91 8.5

JOB: S19 Campus & US1 BRT2015PM  
 DATE: 12/11/2007 TIME: 13:47:06.50

RUN: Campus & US1 BRT2015PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	898.	5.2	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	898.	5.2	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	898.	5.2	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	2394.2	317.0	*	1391.	120. AG	149.	100.0	.0	24.0	1.29 70.7
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	706.	5.2	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	706.	5.2	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	706.	5.2	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	435.	5.2	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	435.	5.2	.0	32.0	
54. 0	BRTeb	123.0	782.0	378.0	891.0	*	277.	67. AG	34.	2.8	.0	32.0	
55. 0	BRTeb	378.0	891.0	623.0	962.0	*	255.	74. AG	34.	2.8	.0	32.0	
56. 0	BRTeb	623.0	962.0	743.0	978.0	*	121.	82. AG	34.	2.8	.0	32.0	
57. 0	BRTeb	743.0	978.0	1045.0	991.0	*	302.	88. AG	34.	2.8	.0	32.0	
58. 0	BRTebQ	994.0	989.0	973.6	988.1	*	20.	267. AG	20.	100.0	.0	12.0	.08 1.0
59. 0	BRTebD	1046.0	990.0	1170.0	938.0	*	134.	113. AG	34.	2.8	.0	32.0	
60. 0	BRTebD	1170.0	938.0	1372.0	822.0	*	233.	120. AG	34.	2.8	.0	32.0	
61. 0	BRTebD	1372.0	822.0	1504.0	697.0	*	182.	133. AG	34.	2.8	.0	32.0	
62. 0	BRTebD	1504.0	697.0	1592.0	573.0	*	152.	145. AG	34.	2.8	.0	32.0	
63. 0	BRTebD	1592.0	573.0	1655.0	433.0	*	154.	156. AG	34.	2.8	.0	32.0	
64. 0	BRTebD	1655.0	433.0	1692.0	315.0	*	124.	163. AG	34.	2.8	.0	32.0	
65. 0	BRTebD	1692.0	315.0	1703.0	213.0	*	103.	174. AG	34.	2.8	.0	32.0	
66. 0	BRTwb	1742.0	243.0	1722.0	357.0	*	116.	350. AG	34.	2.8	.0	32.0	
67. 0	BRTwb	1722.0	357.0	1649.0	570.0	*	225.	341. AG	34.	2.8	.0	32.0	
68. 0	BRTwb	1649.0	570.0	1589.0	695.0	*	139.	334. AG	34.	2.8	.0	32.0	
69. 0	BRTwb	1589.0	695.0	1492.0	818.0	*	157.	322. AG	34.	2.8	.0	32.0	



70.0	BRTwb	*	1493.0	818.0	1378.0	913.0	*	149.	310. AG	34.	2.8	.0	32.0
71.0	BRTwb	*	1378.0	913.0	1121.0	1060.0	*	296.	300. AG	34.	2.8	.0	32.0
72.0	BRTwbQ	*	1193.0	1019.0	1213.6	1007.1	*	24.	120. AG	23.	100.0	.0	12.0
73.0	BRTwbD	*	1120.0	1060.0	952.0	1077.0	*	169.	276. AG	34.	2.8	.0	32.0
74.0	BRTwbD	*	952.0	1077.0	829.0	1077.0	*	123.	270. AG	34.	2.8	.0	32.0
75.0	BRTwbD	*	829.0	1077.0	668.0	1030.0	*	168.	254. AG	34.	2.8	.0	32.0
76.0	BRTwbD	*	668.0	1030.0	446.0	944.0	*	238.	249. AG	34.	2.8	.0	32.0
77.0	BRTwbD	*	446.0	944.0	243.0	868.0	*	217.	249. AG	34.	2.8	.0	32.0
78.0	BRTwbD	*	243.0	868.0	116.0	814.0	*	138.	247. AG	34.	2.8	.0	32.0

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5.0	US1nbTQ	*	150	82	.6	1247	1770	37.80	1 3
7.0	US1nbLQ	*	150	131	.5	152	1717	37.80	1 3
9.0	US1nbRQ	*	150	82	.6	421	1583	37.80	1 3
16.0	US1sbTQ	*	150	72	.6	1095	1770	37.80	1 3
18.0	US1sbLQ	*	150	121	.5	405	1717	37.80	1 3
20.0	US1sbRQ	*	150	72	.6	328	1583	37.80	1 3
26.0	CMebTLQ	*	150	108	.6	632	1726	37.80	1 3
44.0	CMwbTLQ	*	150	128	.6	578	1645	37.80	1 3
48.0	CMwbRQ	*	150	110	.6	898	1394	37.80	1 3
58.0	BRTebQ	*	150	110	.6	34	1726	10.10	1 3
72.0	BRTwbQ	*	150	128	.6	34	1645	10.10	1 3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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#### MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.8	.9	.6	.7	1.0	1.1	.5	.0	.0	.1	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0
5.	*	.8	.8	.7	.8	1.1	1.0	.4	.0	.0	.1	.6	.5	.5	.6	.0	.0	.0	.0	.0	.0
10.	*	.8	.8	.7	.7	1.1	1.0	.4	.0	.0	.1	.4	.6	.5	.5	.0	.0	.0	.0	.0	.0
15.	*	.6	.6	.6	.7	1.1	1.0	.3	.0	.0	.0	.3	.4	.5	.5	.0	.0	.0	.0	.0	.0
20.	*	.5	.5	.6	.7	1.0	1.0	.6	.0	.0	.0	.2	.4	.5	.5	.0	.0	.1	.1	.0	.0
25.	*	.5	.6	.5	.6	1.0	.9	.6	.0	.0	.0	.2	.4	.5	.4	.2	.2	.3	.3	.0	.0
30.	*	.5	.5	.3	.6	1.0	.9	.6	.0	.0	.0	.1	.3	.4	.4	.4	.2	.4	.5	.0	.0
35.	*	.2	.2	.4	.7	1.0	.8	.6	.0	.0	.0	.1	.2	.2	.3	.4	.4	.5	.7	.0	.0
40.	*	.2	.2	.2	.7	1.0	.8	.6	.0	.0	.0	.0	.2	.2	.2	.3	.5	.6	.7	.0	.0
45.	*	.2	.2	.3	.8	1.0	.7	.6	.0	.0	.0	.0	.1	.1	.1	.3	.5	.6	.7	.2	.0
50.	*	.2	.2	.3	.8	1.0	.5	.5	.0	.0	.0	.0	.1	.1	.1	.4	.4	.7	.8	.4	.0
55.	*	.2	.2	.4	.9	1.0	.5	.6	.0	.0	.0	.0	.1	.1	.1	.4	.5	.7	.8	.4	.1

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60.	*	.2	.2	.4	1.0	1.0	.4	.6	.0	.0	.0	.0	.1	.1	.3	.5	.7	.8	.4	.2
65.	*	.1	.2	.4	1.0	1.0	.4	.6	.0	.0	.0	.0	.0	.0	.3	.5	.8	.8	.4	.3
70.	*	.1	.2	.4	.9	1.0	.5	.6	.0	.0	.0	.0	.0	.0	.3	.5	.8	.8	.4	.3
75.	*	.1	.1	.3	.9	.9	.5	.6	.0	.0	.0	.0	.0	.0	.3	.4	.7	.7	.4	.3
80.	*	.1	.1	.3	.9	.8	.5	.6	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.4	.2
85.	*	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.3	.2
90.	*	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0	.2	.4	.7	.5	.3	.3
95.	*	.1	.1	.1	.6	.6	.4	.4	.1	.0	.0	.0	.0	.0	.2	.4	.8	.4	.4	.4
100.	*	.1	.1	.1	.6	.6	.5	.4	.1	.1	.1	.0	.0	.0	.2	.4	.8	.5	.5	.5
105.	*	.1	.1	.1	.5	.6	.5	.5	.2	.2	.3	.1	.0	.0	.2	.4	.8	.4	.6	.4
110.	*	.0	.1	.1	.4	.5	.5	.5	.3	.4	.4	.2	.0	.0	.2	.4	.8	.7	.6	.4
115.	*	.0	.0	.1	.3	.5	.5	.5	.5	.5	.5	.5	.1	.0	.2	.5	.9	.6	.6	.4
120.	*	.0	.0	.0	.2	.4	.3	.3	.6	.7	.7	.5	.1	.0	.3	.6	.9	.7	.5	.4
125.	*	.0	.0	.0	.2	.3	.3	.3	.7	.8	.9	.7	.1	.1	.0	.3	.6	1.0	.8	.4
130.	*	.0	.0	.0	.0	.1	.2	.2	.8	.8	1.0	.7	.2	.1	.1	.4	.6	1.1	.8	.4
135.	*	.0	.0	.0	.0	.1	.2	.2	.9	.8	1.1	1.0	.2	.1	.1	.4	.7	1.1	.8	.4
140.	*	.0	.0	.0	.0	.1	.0	.1	.9	.8	1.2	1.1	.2	.1	.1	.4	.7	1.1	.7	.3
145.	*	.0	.0	.0	.0	.1	.0	.1	.9	1.0	1.3	1.2	.3	.1	.1	.5	.8	1.2	.6	.3
150.	*	.0	.0	.0	.0	.0	.0	.1	1.0	1.0	1.4	1.3	.3	.1	.1	.5	.9	1.1	.4	.2
155.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.4	1.2	.4	.1	.1	.6	1.0	1.0	.4	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	1.4	1.1	.5	.2	.1	.9	1.1	1.0	.4	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.5	1.0	.5	.2	.1	.9	1.1	.8	.4	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.5	.9	.4	.3	.3	1.0	1.1	.8	.5	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.4	.8	.4	.3	.3	1.0	.9	.6	.6	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.4	.8	.5	.3	.3	.9	.9	.6	.6	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.0	1.4	.5	.5	.3	.3	1.0	.8	.6	.5	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.9	1.1	1.3	.5	.4	.4	.4	.8	.8	.6	.3	.3
195.	*	.0	.0	.1	.0	.0	.0	.0	.9	1.1	1.3	.5	.5	.4	.4	.6	.6	.5	.3	.3
200.	*	.0	.0	.2	.0	.0	.0	.0	.8	1.3	1.4	.5	.4	.4	.4	.6	.6	.5	.3	.4
205.	*	.1	.3	.4	.1	.0	.0	.0	.8	1.3	1.4	.6	.7	.6	.5	.5	.5	.1	.2	.3

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WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.2	.5	.7	.3	.0	.0	.0	.9	1.3	1.4	.6	.5	.6	.7	.4	.4	.2	.3	.3	.2
215.	*	.4	.5	.7	.4	.0	.0	.0	.9	1.3	1.4	.7	.6	.6	.8	.1	.1	.2	.3	.3	.2
220.	*	.4	.6	.8	.5	.0	.0	.0	.9	1.3	1.5	.7	.5	.8	.8	.0	.1	.1	.2	.4	.2
225.	*	.4	.7	.9	.5	.2	.0	.0	.8	1.3	1.4	.7	.6	1.0	.8	.0	.1	.1	.2	.4	.2
230.	*	.4	.6	.9	.5	.2	.0	.0	.7	1.3	1.4	.7	.6	.8	.8	.0	.0	.1	.2	.3	.2
235.	*	.5	.7	.8	.6	.2	.0	.0	.7	1.5	1.4	.7	.7	.9	.7	.0	.0	.1	.2	.2	.1
240.	*	.6	.7	.8	.6	.2	.0	.0	1.0	1.5	1.5	.7	.8	.9	.7	.0	.0	.1	.2	.2	.2
245.	*	.6	.7	.8	.6	.2	.1	.0	1.0	1.5	1.6	.6	.9	.9	.7	.0	.0	.0	.2	.2	.2
250.	*	.5	.8	.8	.6	.2	.1	.0	1.1	1.6	1.5	.6	.9	.9	.6	.0	.0	.0	.1	.1	.2
255.	*	.5	.9	.8	.4	.2	.1	.0	1.1	1.5	1.3	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
260.	*	.5	.7	.8	.4	.3	.1	.1	1.3	1.5	1.3	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
265.	*	.5	.7	.8	.4	.4	.1	.1	1.3	1.5	1.2	.5	.8	.7	.5	.0	.0	.0	.0	.1	.2
270.	*	.5	.7	.8	.5	.4	.1	.1	1.4	1.3	1.2	.6	.8	.6	.5	.0	.0	.0	.0	.1	.1
275.	*	.5	.7	.9	.4	.4	.1	.1	1.5	1.3	1.1	.4	.8	.6	.5	.0	.0	.0	.0	.1	.1
280.	*	.5	.6	.9	.4	.5	.1	.0	1.4	1.2	.8	.4	.8	.6	.5	.0	.0	.0	.0	.0	.0
285.	*	.5	.6	.9	.3	.3	.1	.1	1.4	1.1	.8	.4	.8	.6	.4	.0	.0	.0	.0	.0	.0
290.	*	.5	.6	1.0	.3	.4	.2	.1	1.3	1.1	.6	.3	.8	.5	.4	.0	.0	.0	.0	.0	.0
295.	*	.5	.6	.9	.4	.4	.2	.2	1.1	.8	.5	.4	.8	.5	.4	.0	.0	.0	.0	.0	.0
300.	*	.5	.6	.9	.4	.2	.2	.3	.8	.6	.3	.4	.8	.5	.4	.0	.0	.0	.0	.0	.0
305.	*	.5	.6	.9	.4	.3	.3	.3	.6	.6	.4	.5	.8	.5	.4	.0	.0	.0	.0	.0	.0
310.	*	.5	.7	1.0	.3	.3	.3	.6	.5	.4	.3	.5	.8	.5	.4	.0	.0	.0	.0	.0	.0
315.	*	.5	.7	1.0	.4	.3	.5	.7	.3	.4	.4	.6	.8	.5	.4	.0	.0	.0	.0	.0	.0
320.	*	.5	.7	1.0	.3	.4	.7	.9	.3	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
325.	*	.5	.7	1.0	.3	.5	1.0	1.0	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
330.	*	.6	.7	1.0	.3	.5	1.1	1.0	.1	.2	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
335.	*	.7	1.0	.8	.3	.8	1.2	1.0	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
340.	*	.8	1.0	.8	.4	.9	1.2	.9	.1	.1	.3	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
345.	*	.7	.9	.8	.5	1.1	1.2	.8	.0	.1	.3	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
350.	*	.8	.9	.7	.6	1.1	1.2	.6	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
355.	*	.7	.9	.6	.7	1.1	1.1	.6	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
360.	*	.8	.9	.6	.7	1.0	1.1	.5	.0	.0	.1	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0

MAX DEGR. \* .8 0 335 290 60 5 335 330 275 250 245 150 245 225 215 .8 1.0 1.1 1.2 .8 .6 .5

1

JOB: S19 Campus & US1 BRT2015PM

RUN: Campus & US1 BRT2015PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)  
(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

0.	*	.0	.2	.4	.6	.3	.1	.1	.1
5.	*	.0	.2	.4	.6	.3	.1	.2	.1
10.	*	.0	.2	.4	.6	.3	.2	.2	.1
15.	*	.0	.2	.5	.6	.3	.2	.2	.1

20.	*	.0	.2	.5	.6	.2	.1	.2	.2
25.	*	.0	.2	.5	.6	.3	.3	.3	.1
30.	*	.0	.3	.5	.6	.6	.3	.4	.1
35.	*	.0	.2	.5	.6	.6	.4	.5	.3
40.	*	.0	.2	.6	.6	.6	.5	.5	.4
45.	*	.0	.2	.6	.7	.5	.5	.7	.4
50.	*	.0	.3	.6	.8	.5	.7	.7	.5
55.	*	.0	.3	.7	.9	.3	.6	.8	.6
60.	*	.0	.2	.8	.9	.3	.8	.8	.5
65.	*	.1	.3	.8	.8	.4	.8	.6	.6
70.	*	.1	.3	.8	.8	.5	.8	.6	.6
75.	*	.1	.3	.7	.8	.4	.8	.7	.5
80.	*	.2	.3	.7	.7	.5	.7	.6	.5
85.	*	.2	.5	.6	.7	.6	.7	.6	.5
90.	*	.2	.5	.5	.6	.6	.7	.4	.5
95.	*	.2	.4	.5	.5	.5	.6	.5	.5
100.	*	.3	.3	.4	.5	.6	.5	.5	.5
105.	*	.3	.2	.2	.6	.5	.5	.5	.4
110.	*	.4	.1	.1	.3	.6	.5	.4	.4
115.	*	.4	.2	.2	.4	.5	.5	.4	.4
120.	*	.4	.1	.1	.4	.6	.4	.4	.4
125.	*	.3	.1	.1	.3	.5	.4	.4	.4
130.	*	.2	.0	.1	.2	.5	.4	.4	.4
135.	*	.2	.0	.1	.2	.5	.4	.4	.3
140.	*	.3	.0	.2	.2	.4	.4	.4	.3
145.	*	.5	.0	.2	.2	.4	.3	.4	.3
150.	*	.5	.0	.1	.2	.4	.4	.4	.3
155.	*	.4	.0	.1	.2	.4	.4	.4	.3
160.	*	.2	.0	.1	.2	.4	.4	.4	.3
165.	*	.2	.0	.1	.2	.3	.4	.4	.3
170.	*	.2	.0	.1	.1	.3	.4	.5	.3
175.	*	.2	.0	.1	.1	.3	.5	.6	.3
180.	*	.2	.0	.1	.1	.3	.5	.4	.3
185.	*	.2	.0	.0	.1	.3	.5	.4	.3
190.	*	.2	.0	.0	.1	.3	.6	.4	.3
195.	*	.1	.0	.0	.1	.2	.4	.4	.3
200.	*	.1	.0	.0	.0	.1	.4	.4	.2
205.	*	.1	.0	.0	.0	.1	.3	.3	.2

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JOB: S19 Campus & US1 BRT2015PM

RUN: Campus & US1 BRT2015PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* REC21	* REC22	* REC23	* REC24	* REC25	* REC26	* REC27	* REC28
210.	*	.1	.0	.0	.0	.1	.2	.2
215.	*	.1	.0	.0	.0	.1	.2	.2
220.	*	.2	.0	.0	.0	.0	.1	.1
225.	*	.2	.0	.0	.0	.0	.1	.1
230.	*	.2	.0	.0	.0	.0	.0	.1
235.	*	.2	.0	.0	.0	.0	.0	.0
240.	*	.2	.0	.0	.0	.0	.0	.0
245.	*	.2	.0	.0	.0	.0	.0	.0
250.	*	.1	.1	.0	.1	.0	.0	.0
255.	*	.1	.1	.0	.2	.0	.0	.0
260.	*	.1	.1	.1	.2	.0	.0	.0
265.	*	.1	.1	.1	.3	.1	.0	.0
270.	*	.1	.1	.2	.3	.1	.0	.0
275.	*	.0	.1	.2	.4	.1	.0	.0
280.	*	.0	.1	.2	.6	.3	.0	.0
285.	*	.0	.1	.2	.7	.3	.0	.0
290.	*	.0	.1	.1	.7	.3	.0	.0
295.	*	.0	.1	.1	.7	.4	.0	.0
300.	*	.0	.1	.1	.6	.4	.0	.0
305.	*	.0	.1	.1	.6	.4	.1	.0
310.	*	.0	.1	.1	.6	.4	.1	.0
315.	*	.0	.1	.1	.6	.4	.1	.0
320.	*	.0	.1	.1	.6	.4	.1	.0
325.	*	.0	.1	.3	.6	.4	.1	.0
330.	*	.0	.1	.3	.6	.4	.1	.0
335.	*	.0	.1	.3	.6	.4	.1	.0
340.	*	.0	.2	.3	.6	.4	.1	.0
345.	*	.0	.2	.3	.5	.4	.1	.0
350.	*	.0	.2	.3	.6	.4	.1	.1
355.	*	.0	.2	.3	.6	.3	.1	.1
360.	*	.0	.2	.4	.6	.3	.1	.1
MAX	*	.5	.5	.8	.9	.6	.8	.6
DEGR.	*	145	85	60	55	30	60	55

THE HIGHEST CONCENTRATION IS 1.60 PPM AT 250 DEGREES FROM REC9 .  
 THE 2ND HIGHEST CONCENTRATION IS 1.60 PPM AT 245 DEGREES FROM REC10 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.50 PPM AT 275 DEGREES FROM REC8 .

Site 19

Campus Drive and US1

2030

S19 Campus & US1 NB2030AM				60.0321.0.0000.000280.30480000	1	1	
SE MID S	1016.	704.	5.0				
SE 164 S	1052.	778.	5.0				
SE 82 S	1086.	852.	5.0				
SE CNR	1139.	918.	5.0				
SE 82 E	1218.	892.	5.0				
SE 164 E	1289.	850.	5.0				
SE MID E	1359.	807.	5.0				
NE MID E	1401.	916.	5.0				
NE 164 E	1330.	961.	5.0				
NE 82 E	1262.	1001.	5.0				
NE CNR	1190.	1057.	5.0				
NE 82 N	1215.	1145.	5.0				
NE 164 N	1248.	1219.	5.0				
NE MID N	1283.	1293.	5.0				
NW MID N	1179.	1327.	5.0				
NW 164 N	1142.	1254.	5.0				
NW 82 N	1105.	1181.	5.0				
NW CNR	1066.	1108.	5.0				
NW 82 W	983.	1094.	5.0				
NW 164 W	902.	1094.	5.0				
NW MID W	820.	1092.	5.0				
SW MID W	728.	960.	5.0				
SW 164 W	810.	963.	5.0				
SW 82 W	892.	969.	5.0				
SW CNR	977.	945.	5.0				
SW 82 S	959.	857.	5.0				
SW 164 S	924.	783.	5.0				
SW MID S	876.	716.	5.0				
Campus & US1 NB2030AM		53	1	0			
1							
0	US1nbAP	AG	655.	112.	798.	406.	1079 3.3 0 44 30.
1							
0	US1nbAP	AG	798.	406.	942.	647.	1079 3.3 0 44 30.
1							
0	US1nbAP	AG	942.	647.	1009.	772.	1079 3.3 0 44 30.
1							
0	US1nbAP	AG	1008.	772.	1124.	1009.	774 3.3 0 44 30.
2							
0	US1nbTQ	AG	1075.	909.	1026.	808.	0. 24 2
150		84	6	774	32.1	1770 1 3	
1							
0	US1nbL	AG	981.	776.	1092.	1003.	165 3.3 0 44 30.
2							
0	US1nbLQ	AG	1051.	919.	996.	806.	0. 24 2
150		130	5	165	32.1	1717 1 3	
1							
0	US1nbR	AG	1022.	756.	1118.	955.	140 3.3 0 32 30.
2							
0	US1nbRQ	AG	1092.	901.	1036.	785.	0. 12 1
150		84	6	140	32.1	1583 1 3	
1							
0	US1nbD	AG	1125.	1010.	1325.	1430.	1339 3.3 0 44 30.
1							
0	US1nbD	AG	1325.	1430.	1401.	1631.	1339 3.3 0 44 30.
1							
0	US1nbD	AG	1401.	1631.	1488.	1926.	1339 3.3 0 44 30.
1							
0	US1sbAP	AG	1443.	1894.	1339.	1601.	2793 3.3 0 44 30.
1							
0	US1sbAP	AG	1339.	1601.	1279.	1462.	2793 3.3 0 44 30.
1							
0	US1sbT	AG	1279.	1462.	1069.	1021.	1703 3.3 0 44 30.
2							
0	US1sbTQ	AG	1111.	1110.	1241.	1382.	0. 24 2
150		72	6	1703	32.1	1770 1 3	
1							
0	US1sbL	AG	1299.	1450.	1090.	1015.	507 3.3 0 44 30.
2							
0	US1sbLQ	AG	1130.	1099.	1261.	1370.	0. 24 2
150		118	5	507	32.1	1717 1 3	
1							
0	US1sbR	AG	1259.	1459.	1055.	1038.	583 3.3 0 32 30.
2							
0	US1sbRQ	AG	1094.	1118.	1223.	1384.	0. 12 1
150		72	6	583	32.1	1583 1 3	
1							
0	US1sbD	AG	1068.	1020.	624.	131.	2452 3.3 0 44 30.
1							
0	CMebA	AG	121.	788.	376.	896.	196 4.4 0 44 30.
1							
0	CMebTL	AG	375.	897.	608.	964.	226 4.4 0 44 30.
1							
0	CMebTL	AG	608.	964.	743.	984.	226 4.4 0 44 30.
1							
0	CMebTL	AG	744.	982.	1049.	996.	226 4.4 0 44 30.
2							
0	CMebTLQ	AG	993.	993.	754.	983.	0. 24 2
150		127	6	226	32.1	1726 1 3	
1							
0	CMebR	AG	456.	912.	776.	925.	72 4.4 0 32 30.
1							
0	CMebR	AG	776.	925.	866.	877.	72 4.4 0 32 30.
1							
0	CMebR	AG	866.	877.	904.	809.	72 4.4 0 32 30.

[illegible]

JOB: S19 Campus & US1 NB2030AM  
 DATE: 12/07/2007 TIME: 09:51:22.19

RUN: Campus & US1 NB2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	1079.	3.3	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	1079.	3.3	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	1079.	3.3	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	774.	3.3	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	997.4	749.1	*	178.	206. AG	96.	100.0	.0	24.0	.52 9.0
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	165.	3.3	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1025.5	866.6	*	58.	206. AG	149.	100.0	.0	24.0	.41 3.0
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	140.	3.3	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1064.0	843.1	*	64.	206. AG	48.	100.0	.0	12.0	.21 3.3
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	1339.	3.3	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	1339.	3.3	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	1339.	3.3	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2793.	3.3	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2793.	3.3	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1703.	3.3	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1290.9	1486.3	*	417.	26. AG	83.	100.0	.0	24.0	.96 21.2
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	507.	3.3	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1203.2	1250.5	*	168.	26. AG	135.	100.0	.0	24.0	.75 8.5
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	583.	3.3	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1194.2	1324.5	*	230.	26. AG	41.	100.0	.0	12.0	.73 11.7
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	2452.	3.3	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	196.	4.4	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	226.	4.4	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	226.	4.4	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	226.	4.4	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	914.6	989.7	*	78.	268. AG	146.	100.0	.0	24.0	.48 4.0
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	72.	4.4	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	72.	4.4	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	72.	4.4	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	72.	4.4	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	798.	4.4	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	798.	4.4	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	798.	4.4	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	798.	4.4	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	798.	4.4	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	798.	4.4	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	798.	4.4	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1659.	4.4	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1659.	4.4	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1659.	4.4	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	1169.	4.4	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	1169.	4.4	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	1169.	4.4	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1478.8	816.9	*	344.	121. AG	193.	100.0	.0	36.0	1.00 17.5

JOB: S19 Campus & US1 NB2030AM  
 DATE: 12/07/2007 TIME: 09:51:22.19

RUN: Campus & US1 NB2030AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	490.	4.4	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	490.	4.4	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	490.	4.4	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	1295.3	954.5	*	121.	120. AG	103.	100.0	.0	24.0	.46 6.1
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	1240.	4.4	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	1240.	4.4	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	1240.	4.4	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	562.	4.4	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	562.	4.4	.0	32.0	

JOB: S19 Campus & US1 NB2030AM  
 DATE: 12/07/2007 TIME: 09:51:22.19

RUN: Campus & US1 NB2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	84	.6	774	1770	32.10	1	3
7. 0	US1nbLQ	150	130	.5	165	1717	32.10	1	3
9. 0	US1nbRQ	150	84	.6	140	1583	32.10	1	3
16. 0	US1sbTQ	150	72	.6	1703	1770	32.10	1	3
18. 0	US1sbLQ	150	118	.5	507	1717	32.10	1	3

20. 0	US1sbRQ	*	150	72	.6	583	1583	32.10	1	3
26. 0	CMebTLQ	*	150	127	.6	226	1726	32.10	1	3
44. 0	CMwbTLQ	*	150	112	.6	1169	1646	32.10	1	3
48. 0	CMwbRQ	*	150	90	.6	490	1394	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.4	.5	.5	.6	.9	.6	.6	.0	.0	.0	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0
5. *	.5	.5	.6	.6	.6	.6	.5	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
10. *	.5	.6	.6	.6	.6	.5	.5	.0	.0	.0	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0
15. *	.4	.3	.6	.6	.6	.5	.5	.0	.0	.0	.4	.4	.3	.4	.1	.1	.0	.0	.0	.0
20. *	.2	.2	.5	.5	.6	.5	.5	.0	.0	.0	.1	.3	.2	.2	.3	.3	.4	.4	.0	.0
25. *	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.1	.2	.2	.2	.5	.4	.4	.4	.0	.0
30. *	.2	.1	.2	.4	.6	.5	.6	.0	.0	.0	.1	.1	.1	.1	.5	.4	.5	.6	.0	.0
35. *	.1	.1	.2	.5	.6	.5	.6	.0	.0	.0	.0	.1	.1	.1	.5	.6	.6	.7	.1	.0
40. *	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1	.1	.6	.6	.7	.7	.2	.0
45. *	.1	.1	.3	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1	.1	.6	.6	.8	.9	.2	.0
50. *	.1	.1	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.7	.8	.9	.3	.1
55. *	.1	.1	.4	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.7	.8	.9	.3	.1
60. *	.1	.1	.3	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.2
65. *	.1	.1	.3	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
70. *	.1	.1	.2	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
75. *	.1	.1	.2	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.7	.3	.3
80. *	.0	.1	.2	.6	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.7	.3	.2
85. *	.0	.1	.2	.5	.7	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.6	.2	.3
90. *	.0	.1	.1	.5	.7	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.5	.2	.2
95. *	.0	.0	.1	.5	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.8	.8	.5	.2	.2
100. *	.0	.0	.1	.5	.5	.4	.3	.0	.0	.0	.0	.0	.0	.0	.7	.8	.9	.4	.3	.3
105. *	.0	.0	.1	.3	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.7	.9	.9	.5	.4	.3
110. *	.0	.0	.0	.3	.4	.3	.3	.0	.0	.1	.1	.0	.0	.0	.7	.9	.9	.5	.4	.3
115. *	.0	.0	.0	.2	.2	.3	.3	.0	.1	.2	.1	.0	.0	.0	.7	.9	.9	.6	.6	.4
120. *	.0	.0	.0	.2	.2	.2	.2	.1	.1	.4	.3	.0	.0	.0	.7	.9	.9	.7	.6	.4
125. *	.0	.0	.0	.0	.2	.2	.1	.1	.3	.5	.3	.0	.0	.0	.7	.9	1.0	.7	.4	.5
130. *	.0	.0	.0	.0	.1	.1	.1	.3	.5	.6	.6	.1	.0	.0	.7	.9	.9	.7	.4	.6
135. *	.0	.0	.0	.0	.1	.0	.1	.3	.5	.7	.7	.1	.0	.0	.7	1.0	1.0	.7	.4	.4
140. *	.0	.0	.0	.0	.0	.0	.1	.6	.7	.8	.8	.1	.0	.0	.7	1.0	1.1	.5	.3	.4
145. *	.0	.0	.0	.0	.0	.0	.1	.6	.7	.9	.8	.2	.1	.0	.8	1.0	1.3	.4	.3	.4
150. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	.9	.8	.2	.1	.0	.9	1.0	1.2	.5	.3	.4
155. *	.0	.0	.0	.0	.0	.0	.0	.6	.8	1.0	.8	.3	.1	.1	.9	1.0	1.1	.4	.3	.4
160. *	.0	.0	.0	.0	.0	.0	.0	.6	.8	1.0	.8	.4	.1	.1	.9	1.0	1.0	.3	.4	.4
165. *	.0	.0	.0	.0	.0	.0	.0	.7	.7	1.0	.7	.4	.1	.1	.9	1.0	1.0	.4	.4	.4
170. *	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.7	.4	.1	.1	1.0	1.0	.7	.4	.5	.4
175. *	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.6	.4	.1	.1	1.0	1.0	.6	.4	.4	.4
180. *	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.5	.4	.1	.1	1.1	.9	.6	.5	.4	.4
185. *	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.5	.3	.2	.2	1.0	.7	.6	.6	.4	.3
190. *	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.4	.4	.2	.2	.9	.8	.5	.6	.4	.3



195.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.0	.3	.3	.2	.2	.8	.7	.4	.4	.4	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.0	.3	.4	.2	.3	.7	.6	.4	.3	.4	.2
205.	*	.0	.1	.2	.0	.0	.0	.0	.6	.7	1.0	.5	.3	.3	.4	.6	.5	.4	.3	.3	.2

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
-----																					
210.	*	.1	.2	.2	.2	.0	.0	.0	.6	.7	.9	.4	.4	.4	.4	.5	.4	.3	.3	.2	.2
215.	*	.2	.2	.2	.2	.0	.0	.0	.6	.7	1.0	.4	.3	.4	.5	.4	.2	.2	.3	.3	.2
220.	*	.2	.2	.4	.2	.1	.0	.0	.6	.7	1.0	.5	.3	.5	.7	.1	.0	.0	.3	.3	.2
225.	*	.3	.3	.4	.2	.1	.0	.0	.7	.8	1.0	.4	.3	.6	.6	.0	.0	.2	.2	.2	.2
230.	*	.3	.3	.4	.5	.1	.1	.0	.8	.8	1.1	.4	.5	.6	.6	.0	.0	.2	.2	.2	.2
235.	*	.2	.3	.4	.6	.1	.1	.0	.8	.7	1.1	.4	.5	.6	.6	.0	.0	.2	.2	.2	.3
240.	*	.2	.3	.5	.6	.2	.1	.0	.8	.8	1.1	.4	.4	.6	.5	.0	.0	.1	.2	.3	.3
245.	*	.2	.3	.5	.4	.2	.1	.0	.7	.8	1.0	.4	.5	.6	.5	.0	.0	.1	.2	.3	.3
250.	*	.2	.4	.5	.4	.2	.1	.1	.7	.8	1.0	.5	.6	.6	.5	.0	.0	.1	.1	.3	.3
255.	*	.2	.4	.5	.4	.2	.1	.1	.8	.8	.9	.5	.6	.6	.5	.0	.0	.2	.1	.3	.3
260.	*	.2	.4	.5	.4	.2	.2	.0	.8	.9	.9	.5	.6	.6	.4	.0	.0	.1	.1	.2	.2
265.	*	.2	.3	.5	.4	.3	.2	.0	.7	.9	.8	.4	.5	.6	.4	.0	.0	.0	.1	.2	.2
270.	*	.2	.3	.6	.4	.3	.2	.0	.7	.8	.7	.3	.5	.5	.3	.0	.0	.0	.1	.2	.2
275.	*	.2	.4	.6	.3	.2	.1	.0	.7	.8	.6	.3	.5	.5	.3	.0	.0	.0	.1	.1	.1
280.	*	.2	.4	.6	.3	.1	.1	.0	.7	.8	.5	.3	.5	.5	.3	.0	.0	.0	.1	.1	.1
285.	*	.2	.4	.6	.3	.1	.2	.0	.7	.8	.5	.2	.5	.5	.3	.0	.0	.0	.0	.0	.0
290.	*	.2	.4	.7	.3	.2	.2	.1	.6	.6	.4	.2	.6	.6	.4	.0	.0	.0	.0	.0	.0
295.	*	.2	.4	.7	.3	.2	.1	.1	.5	.5	.3	.3	.6	.6	.4	.0	.0	.0	.0	.0	.0
300.	*	.2	.4	.7	.4	.3	.1	.2	.5	.5	.3	.3	.6	.5	.4	.0	.0	.0	.0	.0	.0
305.	*	.2	.4	.7	.3	.2	.2	.3	.4	.3	.5	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
310.	*	.2	.4	.8	.3	.2	.3	.4	.3	.2	.2	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
315.	*	.2	.4	.8	.4	.2	.4	.5	.0	.1	.1	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
320.	*	.2	.4	.8	.4	.2	.5	.7	.0	.1	.4	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0
325.	*	.3	.4	.8	.4	.3	.6	.7	.0	.1	.4	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
330.	*	.3	.4	.6	.3	.3	.7	.6	.0	.1	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
335.	*	.3	.5	.6	.2	.3	.6	.6	.0	.1	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
340.	*	.3	.5	.6	.2	.6	.7	.6	.0	.0	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
345.	*	.4	.5	.6	.3	.9	.6	.6	.0	.0	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
350.	*	.4	.5	.4	.5	1.0	.6	.5	.0	.0	.3	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
355.	*	.4	.5	.5	.6	.9	.6	.5	.0	.0	.2	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0
360.	*	.4	.5	.5	.6	.9	.6	.6	.0	.0	.0	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0
-----																					
MAX	*	.5	.6	.8	.6	1.0	.7	.7	.8	.9	1.1	.8	.6	.6	.7	1.1	1.0	1.3	.9	.6	.6
DEGR.	*	5	10	310	0	350	330	320	230	260	230	140	250	225	220	180	135	145	45	115	130

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RUN: Campus &amp; US1 NB2030AM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION								
ANGLE *	(PPM)							
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
-----								
0.	*	.0	.1	.1	.1	.2	.1	.0
5.	*	.0	.1	.1	.1	.3	.2	.0
10.	*	.0	.1	.0	.1	.3	.2	.0
15.	*	.0	.1	.0	.1	.3	.2	.1
20.	*	.0	.1	.0	.1	.3	.3	.1
25.	*	.0	.1	.1	.2	.4	.4	.1
30.	*	.0	.1	.1	.1	.5	.5	.2
35.	*	.0	.1	.1	.1	.6	.4	.2
40.	*	.0	.1	.1	.3	.6	.5	.4
45.	*	.0	.1	.1	.5	.6	.5	.4
50.	*	.0	.0	.1	.7	.4	.5	.5
55.	*	.0	.0	.0	.6	.3	.5	.5
60.	*	.0	.0	.1	.6	.2	.6	.5
65.	*	.0	.0	.1	.4	.2	.7	.5
70.	*	.0	.0	.1	.3	.4	.7	.5
75.	*	.1	.0	.1	.4	.5	.6	.4
80.	*	.1	.1	.2	.5	.5	.6	.3
85.	*	.1	.2	.3	.4	.4	.6	.2
90.	*	.1	.1	.3	.4	.5	.6	.3
95.	*	.3	.1	.3	.3	.4	.6	.3
100.	*	.4	.2	.2	.3	.5	.5	.3
105.	*	.3	.2	.2	.3	.4	.4	.3
110.	*	.3	.1	.2	.3	.5	.4	.3
115.	*	.4	.1	.1	.3	.5	.4	.2
120.	*	.4	.1	.1	.3	.4	.4	.2
125.	*	.4	.1	.1	.3	.4	.4	.2
130.	*	.5	.1	.1	.2	.5	.4	.2
135.	*	.4	.1	.1	.2	.4	.4	.2
140.	*	.4	.1	.1	.2	.4	.4	.2
145.	*	.3	.1	.1	.2	.4	.4	.2
150.	*	.3	.1	.1	.1	.4	.4	.2

155.	*	.3	.1	.1	.1	.4	.4	.4	.2
160.	*	.3	.1	.1	.1	.4	.4	.3	.2
165.	*	.3	.1	.1	.1	.3	.4	.3	.4
170.	*	.3	.1	.1	.1	.3	.3	.3	.4
175.	*	.3	.1	.1	.1	.3	.4	.4	.4
180.	*	.3	.1	.1	.1	.2	.4	.4	.4
185.	*	.3	.0	.1	.1	.2	.4	.4	.4
190.	*	.2	.0	.1	.1	.2	.4	.4	.3
195.	*	.2	.0	.0	.1	.2	.4	.4	.3
200.	*	.2	.0	.0	.1	.2	.4	.4	.3
205.	*	.2	.0	.0	.0	.2	.4	.4	.2

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.2	.0	.0	.0	.1	.3	.3	.2
215.	*	.2	.0	.0	.0	.1	.2	.3	.1
220.	*	.2	.0	.0	.0	.0	.2	.2	.1
225.	*	.2	.0	.0	.0	.0	.1	.1	.0
230.	*	.2	.0	.0	.0	.0	.1	.1	.0
235.	*	.2	.0	.0	.0	.0	.0	.1	.0
240.	*	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.0	.0	.0	.0	.0	.0	.0
260.	*	.1	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.0	.0	.0	.0	.0	.0	.0
275.	*	.1	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.1	.1	.0	.0	.0
295.	*	.0	.0	.0	.1	.1	.0	.0	.0
300.	*	.0	.0	.1	.1	.1	.0	.0	.0
305.	*	.0	.0	.1	.1	.2	.0	.0	.0
310.	*	.0	.0	.1	.1	.2	.0	.0	.0
315.	*	.0	.0	.1	.1	.2	.0	.0	.0
320.	*	.0	.0	.1	.0	.3	.0	.0	.0
325.	*	.0	.1	.1	.0	.3	.0	.0	.0
330.	*	.0	.1	.1	.0	.4	.0	.0	.0
335.	*	.0	.1	.1	.0	.4	.0	.0	.0
340.	*	.0	.1	.1	.1	.3	.1	.0	.0
345.	*	.0	.1	.1	.1	.3	.1	.0	.0
350.	*	.0	.1	.1	.1	.3	.1	.0	.0
355.	*	.0	.1	.1	.1	.2	.1	.0	.0
360.	*	.0	.1	.1	.1	.2	.1	.1	.0

MAX	*	.5	.2	.3	.7	.6	.7	.7	.5
DEGR.	*	130	85	85	50	35	65	50	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 145 DEGREES FROM REC17.  
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 230 DEGREES FROM REC10.  
THE 3RD HIGHEST CONCENTRATION IS 1.10 PPM AT 180 DEGREES FROM REC15.

S19 Campus & US1 NB2030PM				60.0321.0.0000.000280.30480000				1	1
SE MID S		1016.	704.	5.0					
SE 164 S		1052.	778.	5.0					
SE 82 S		1086.	852.	5.0					
SE CNR		1139.	918.	5.0					
SE 82 E		1218.	892.	5.0					
SE 164 E		1289.	850.	5.0					
SE MID E		1359.	807.	5.0					
NE MID E		1401.	916.	5.0					
NE 164 E		1330.	961.	5.0					
NE 82 E		1262.	1001.	5.0					
NE CNR		1190.	1057.	5.0					
NE 82 N		1215.	1145.	5.0					
NE 164 N		1248.	1219.	5.0					
NE MID N		1283.	1293.	5.0					
NW MID N		1179.	1327.	5.0					
NW 164 N		1142.	1254.	5.0					
NW 82 N		1105.	1181.	5.0					
NW CNR		1066.	1108.	5.0					
NW 82 W		983.	1094.	5.0					
NW 164 W		902.	1094.	5.0					
NW MID W		820.	1092.	5.0					
SW MID W		728.	960.	5.0					
SW 164 W		810.	963.	5.0					
SW 82 W		892.	969.	5.0					
SW CNR		977.	945.	5.0					
SW 82 S		959.	857.	5.0					
SW 164 S		924.	783.	5.0					
SW MID S		876.	716.	5.0					
Campus & US1 NB2030PM			53	1	0				
0	1	US1nbAP	AG	655.	112.	798.	406.	2094	3.4 0 44 30.
0	1	US1nbAP	AG	798.	406.	942.	647.	2094	3.4 0 44 30.
0	1	US1nbAP	AG	942.	647.	1009.	772.	2094	3.4 0 44 30.
0	2	US1nbAP	AG	1008.	772.	1124.	1009.	1448	3.4 0 44 30.
0	150	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24 2
		82		6	1448	32.1	1770	1 3	
0	2	US1nbL	AG	981.	776.	1092.	1003.	157	3.4 0 44 30.
0	150	US1nbLQ	AG	1051.	919.	996.	806.	0.	24 2
		131		5	157	32.1	1717	1 3	
0	2	US1nbR	AG	1022.	756.	1118.	955.	489	3.4 0 32 30.
0	150	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12 1
		82		6	489	32.1	1583	1 3	
0	1	US1nbD	AG	1125.	1010.	1325.	1430.	2620	3.4 0 44 30.
0	1	US1nbD	AG	1325.	1430.	1401.	1631.	2620	3.4 0 44 30.
0	1	US1nbD	AG	1401.	1631.	1488.	1926.	2620	3.4 0 44 30.
0	1	US1sbAP	AG	1443.	1894.	1339.	1601.	2079	3.4 0 44 30.
0	1	US1sbAP	AG	1339.	1601.	1279.	1462.	2079	3.4 0 44 30.
0	2	US1sbT	AG	1279.	1462.	1069.	1021.	1271	3.4 0 44 30.
0	150	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24 2
		72		6	1271	32.1	1770	1 3	
0	2	US1sbL	AG	1299.	1450.	1090.	1015.	470	3.4 0 44 30.
0	150	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24 2
		121		5	470	32.1	1717	1 3	
0	2	US1sbR	AG	1259.	1459.	1055.	1038.	338	3.4 0 32 30.
0	150	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12 1
		72		6	338	32.1	1583	1 3	
0	1	US1sbD	AG	1068.	1020.	624.	131.	1747	3.4 0 44 30.
0	1	CMebA	AG	121.	788.	376.	896.	515	4.4 0 44 30.
0	1	CMebTL	AG	375.	897.	608.	964.	651	4.4 0 44 30.
0	1	CMebTL	AG	608.	964.	743.	984.	651	4.4 0 44 30.
0	2	CMebTL	AG	744.	982.	1049.	996.	651	4.4 0 44 30.
0	150	CMebTLQ	AG	993.	993.	754.	983.	0.	24 2
		108		6	651	32.1	1726	1 3	
0	1	CMebR	AG	456.	912.	776.	925.	142	4.4 0 32 30.
0	1	CMebR	AG	776.	925.	866.	877.	142	4.4 0 32 30.
0	1	CMebR	AG	866.	877.	904.	809.	142	4.4 0 32 30.

0											
1											
0	CMebR	AG	904.	809.	909.	713.	142	4.4	0	32	30.
1											
0	CMebD	AG	1046.	994.	1170.	944.	1298	4.4	0	44	30.
1											
0	CMebD	AG	1170.	944.	1373.	828.	1298	4.4	0	44	30.
1											
0	CMebD	AG	1373.	828.	1510.	701.	1298	4.4	0	44	30.
1											
0	CMebD	AG	1510.	701.	1597.	577.	1298	4.4	0	44	30.
1											
0	CMebD	AG	1597.	577.	1659.	437.	1298	4.4	0	44	30.
1											
0	CMebD	AG	1659.	437.	1699.	319.	1298	4.4	0	44	30.
1											
0	CMebD	AG	1699.	319.	1714.	179.	1298	4.4	0	44	30.
1											
0	CMwbA	AG	1736.	233.	1714.	361.	1417	4.4	0	44	30.
1											
0	CMwbA	AG	1714.	361.	1641.	569.	1417	4.4	0	44	30.
1											
0	CMwbA	AG	1641.	569.	1581.	691.	1417	4.4	0	44	30.
1											
0	CMwbtTL	AG	1569.	689.	1464.	803.	566	4.4	0	56	30.
1											
0	CMwbtTL	AG	1464.	803.	1363.	886.	566	4.4	0	56	30.
1											
0	CMwbtTL	AG	1363.	886.	1103.	1040.	566	4.4	0	56	30.
2											
0	CMwbtTLQ	AG	1183.	992.	1357.	889.	0.	36	3		
1	150	128	6	566	32.1	1645	1	3			
0											
1	CMwbR	AG	1581.	705.	1486.	813.	851	4.4	0	44	30.
0											
1	CMwbR	AG	1486.	813.	1375.	908.	851	4.4	0	44	30.
0											
1	CMwbR	AG	1375.	908.	1119.	1057.	851	4.4	0	44	30.
2											
0	CMwbRBQ	AG	1191.	1015.	1372.	910.	0.	24	2		
1	150	110	6	851	32.1	1394	1	3			
0											
1	CMwbD	AG	1104.	1037.	957.	1069.	727	4.4	0	44	30.
0											
1	CMwbD	AG	957.	1069.	832.	1071.	727	4.4	0	44	30.
0											
1	CMwbD	AG	832.	1071.	672.	1030.	727	4.4	0	44	30.
0											
1	CMwbD2	AG	666.	1021.	295.	886.	448	4.4	0	32	30.
0											
1	CMwbD2	AG	295.	886.	109.	808.	448	4.4	0	32	30.
0	1.0	04	1000	0Y	5	0	72				

JOB: S19 Campus & US1 NB2030PM  
 DATE: 12/07/2007 TIME: 14:40:07.51

RUN: Campus & US1 NB2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	2094.	3.4	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	2094.	3.4	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	2094.	3.4	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	1448.	3.4	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	906.2	561.1	*	387.	206. AG	94.	100.0	.0	24.0	.94 19.6
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	157.	3.4	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1026.5	868.8	*	56.	206. AG	150.	100.0	.0	24.0	.41 2.8
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	489.	3.4	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	996.7	703.5	*	219.	206. AG	47.	100.0	.0	12.0	.71 11.1
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	2620.	3.4	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	2620.	3.4	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	2620.	3.4	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2079.	3.4	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2079.	3.4	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1271.	3.4	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1218.8	1335.6	*	250.	26. AG	83.	100.0	.0	24.0	.71 12.7
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	470.	3.4	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1201.4	1246.8	*	164.	26. AG	139.	100.0	.0	24.0	.78 8.3
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	338.	3.4	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1152.1	1237.7	*	133.	26. AG	41.	100.0	.0	12.0	.43 6.8
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	1747.	3.4	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	515.	4.4	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	651.	4.4	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	651.	4.4	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	651.	4.4	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	801.2	985.0	*	192.	268. AG	124.	100.0	.0	24.0	.72 9.8
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	142.	4.4	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	142.	4.4	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	142.	4.4	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	142.	4.4	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	1298.	4.4	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	1298.	4.4	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	1298.	4.4	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	1298.	4.4	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	1298.	4.4	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	1298.	4.4	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	1298.	4.4	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1417.	4.4	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1417.	4.4	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1417.	4.4	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	566.	4.4	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	566.	4.4	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	566.	4.4	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1321.0	910.3	*	160.	121. AG	220.	100.0	.0	36.0	.89 8.1

JOB: S19 Campus & US1 NB2030PM  
 DATE: 12/07/2007 TIME: 14:40:07.51

RUN: Campus & US1 NB2030PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	851.	4.4	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	851.	4.4	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	851.	4.4	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	2171.9	445.9	*	1134.	120. AG	126.	100.0	.0	24.0	1.22 57.6
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	727.	4.4	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	727.	4.4	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	727.	4.4	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	448.	4.4	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	448.	4.4	.0	32.0	

JOB: S19 Campus & US1 NB2030PM  
 DATE: 12/07/2007 TIME: 14:40:07.51

RUN: Campus & US1 NB2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	82	.6	1448	1770	32.10	1	3
7. 0	US1nbLQ	150	131	.5	157	1717	32.10	1	3
9. 0	US1nbRQ	150	82	.6	489	1583	32.10	1	3
16. 0	US1sbTQ	150	72	.6	1271	1770	32.10	1	3
18. 0	US1sbLQ	150	121	.5	470	1717	32.10	1	3

20. 0	US1sbRQ	*	150	72	.6	338	1583	32.10	1	3
26. 0	CMebTLQ	*	150	108	.6	651	1726	32.10	1	3
44. 0	CMwbTLQ	*	150	128	.6	566	1645	32.10	1	3
48. 0	CMwbRQ	*	150	110	.6	851	1394	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

1

JOB: S19 Campus & US1 NB2030PM

RUN: Campus & US1 NB2030PM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

## WIND \* CONCENTRATION

ANGLE * (PPM)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
(DEGR)*																				
0. *	.7	.8	.7	.7	.9	1.0	.4	.0	.0	.1	.6	.7	.5	.5	.0	.0	.0	.0	.0	.0
5. *	.7	.8	.8	.7	.9	.8	.4	.0	.0	.1	.6	.7	.5	.6	.0	.0	.0	.0	.0	.0
10. *	.7	.7	.7	.7	.9	.8	.3	.0	.0	.1	.6	.5	.4	.6	.0	.0	.0	.0	.0	.0
15. *	.6	.5	.7	.5	.9	.7	.2	.0	.0	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0
20. *	.4	.5	.6	.5	.8	.7	.3	.0	.0	.0	.2	.4	.5	.5	.0	.1	.1	.2	.0	.0
25. *	.4	.5	.5	.4	.8	.6	.3	.0	.0	.0	.2	.4	.5	.4	.2	.2	.2	.3	.0	.0
30. *	.5	.5	.4	.5	.9	.7	.4	.0	.0	.0	.1	.3	.3	.4	.4	.3	.4	.5	.0	.0
35. *	.2	.1	.3	.5	.9	.4	.4	.0	.0	.0	.1	.2	.2	.3	.4	.4	.5	.6	.0	.0
40. *	.1	.2	.2	.4	.8	.4	.5	.0	.0	.0	.0	.2	.2	.2	.3	.5	.7	.7	.0	.0
45. *	.2	.2	.2	.6	.8	.4	.5	.0	.0	.0	.0	.1	.1	.1	.3	.5	.8	.8	.3	.0
50. *	.2	.2	.3	.6	.8	.3	.4	.0	.0	.0	.0	.1	.1	.1	.4	.6	.8	.8	.4	.0
55. *	.2	.2	.4	.6	.9	.4	.6	.0	.0	.0	.0	.1	.1	.1	.5	.6	.7	.8	.4	.1
60. *	.1	.2	.4	.6	.8	.4	.6	.0	.0	.0	.0	.1	.1	.1	.3	.5	.8	.7	.4	.2
65. *	.1	.2	.4	.5	.8	.4	.6	.0	.0	.0	.0	.0	.0	.0	.4	.5	.8	.7	.4	.3
70. *	.1	.2	.3	.5	.7	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.7	.4	.3
75. *	.1	.1	.3	.6	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.5	.4	.2
80. *	.1	.1	.3	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.5	.4	.2
85. *	.1	.1	.3	.7	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.5	.3	.2
90. *	.1	.1	.2	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.4	.3	.2
95. *	.1	.1	.1	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.5	.7	.4	.2	.2
100. *	.0	.1	.1	.5	.6	.5	.4	.1	.1	.1	.0	.0	.0	.0	.4	.5	.7	.3	.4	.5
105. *	.0	.1	.1	.5	.5	.5	.4	.2	.1	.1	.1	.0	.0	.0	.4	.6	.7	.4	.5	.4
110. *	.0	.0	.1	.3	.5	.5	.4	.3	.2	.3	.1	.0	.0	.0	.4	.6	.7	.6	.5	.4
115. *	.0	.0	.1	.2	.3	.4	.3	.4	.4	.4	.2	.0	.0	.0	.4	.6	.8	.6	.5	.4
120. *	.0	.0	.0	.2	.3	.3	.3	.6	.5	.5	.5	.1	.0	.0	.4	.6	.8	.6	.3	.4
125. *	.0	.0	.0	.2	.3	.3	.3	.6	.7	.7	.5	.1	.0	.0	.4	.7	.8	.7	.3	.3
130. *	.0	.0	.0	.0	.1	.2	.2	.7	.7	.7	.7	.1	.1	.0	.5	.7	1.0	.8	.4	.1
135. *	.0	.0	.0	.0	.1	.2	.2	.7	.7	.9	.7	.1	.1	.1	.5	.7	1.0	.7	.3	.2
140. *	.0	.0	.0	.0	.1	.0	.1	.7	.7	1.0	.8	.2	.1	.1	.5	.7	1.0	.6	.3	.3
145. *	.0	.0	.0	.0	.1	.0	.1	.8	.8	1.1	1.1	.3	.1	.1	.5	.8	.9	.4	.3	.3
150. *	.0	.0	.0	.0	.0	.0	.1	.8	.8	1.2	1.0	.3	.1	.1	.6	.9	.9	.3	.2	.4
155. *	.0	.0	.0	.0	.0	.0	.0	.9	.7	1.2	1.0	.2	.1	.1	.6	.9	.9	.3	.2	.4
160. *	.0	.0	.0	.0	.0	.0	.0	.9	.6	1.1	1.0	.3	.2	.1	.7	.9	.8	.3	.3	.4
165. *	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.2	.9	.3	.2	.1	.8	1.0	.7	.4	.3	.4
170. *	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.2	.8	.3	.2	.3	1.0	.9	.7	.5	.4	.4
175. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.8	.3	.3	.3	.9	1.0	.6	.6	.4	.3
180. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.6	.4	.3	.3	.9	.9	.5	.6	.4	.3
185. *	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.2	.5	.3	.3	.3	.8	.8	.6	.5	.4	.3
190. *	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.2	.5	.3	.4	.4	.8	.8	.6	.3	.3	.3

195. \* .0 .0 .1 .0 .0 .0 .0 .6 1.0 1.2 .4 .3 .3 .3 .7 .6 .5 .4 .3 .2  
 200. \* .1 .1 .2 .1 .0 .0 .0 .6 1.0 1.2 .5 .4 .4 .4 .5 .6 .3 .3 .3 .2  
 205. \* .2 .4 .4 .1 .0 .0 .0 .7 1.1 1.2 .6 .5 .5 .5 .5 .5 .2 .2 .2 .2

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JOB: S19 Campus & US1 NB2030PM

RUN: Campus & US1 NB2030PM

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WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	.3	.5	.7	.3	.0	.0	.0	.7	1.1	1.2	.6	.6	.6	.6	.4	.3	.1	.3	.2	.2
215.	.4	.6	.8	.4	.0	.0	.0	.6	1.1	1.3	.7	.7	.6	.7	.1	.0	.2	.3	.2	.2
220.	.5	.7	.8	.5	.0	.0	.0	.6	1.1	1.4	.7	.5	.7	.9	.0	.0	.1	.2	.2	.2
225.	.5	.7	.9	.5	.2	.0	.0	.6	1.2	1.4	.7	.5	.9	.9	.0	.0	.1	.2	.3	.2
230.	.5	.7	.9	.5	.2	.0	.0	.6	1.3	1.4	.7	.6	.8	.8	.0	.0	.1	.2	.2	.2
235.	.6	.6	.8	.6	.2	.0	.0	.6	1.3	1.3	.6	.6	.8	.8	.0	.0	.1	.2	.2	.1
240.	.6	.7	.8	.6	.2	.1	.0	.6	1.3	1.4	.6	.7	.8	.7	.0	.0	.0	.2	.2	.1
245.	.6	.7	.7	.6	.2	.1	.0	.8	1.3	1.3	.5	.8	.9	.7	.0	.0	.0	.1	.2	.2
250.	.5	.6	.6	.4	.2	.1	.0	.9	1.3	1.3	.5	.7	.9	.7	.0	.0	.0	.1	.1	.2
255.	.5	.7	.6	.4	.3	.1	.0	1.0	1.2	1.3	.4	.7	.8	.6	.0	.0	.0	.0	.1	.2
260.	.5	.7	.6	.4	.3	.1	.1	1.1	1.3	1.0	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
265.	.6	.7	.6	.4	.3	.1	.1	1.1	1.2	1.2	.5	.7	.7	.5	.0	.0	.0	.0	.1	.1
270.	.6	.7	.6	.4	.4	.1	.0	1.2	1.2	.9	.4	.7	.7	.5	.0	.0	.0	.0	.1	.1
275.	.6	.7	.7	.4	.3	.0	.0	1.1	1.1	.9	.4	.7	.7	.5	.0	.0	.0	.0	.1	.1
280.	.6	.6	.7	.4	.4	.1	.0	1.0	1.1	.8	.4	.7	.7	.5	.0	.0	.0	.0	.0	.0
285.	.6	.6	.7	.3	.4	.1	.1	1.1	1.0	.6	.3	.7	.7	.5	.0	.0	.0	.0	.0	.0
290.	.6	.6	.8	.3	.4	.1	.1	1.1	.9	.4	.3	.7	.7	.5	.0	.0	.0	.0	.0	.0
295.	.6	.6	.9	.4	.4	.2	.1	.8	.8	.3	.4	.7	.6	.5	.0	.0	.0	.0	.0	.0
300.	.6	.6	.9	.4	.3	.2	.3	.6	.5	.3	.4	.7	.6	.5	.0	.0	.0	.0	.0	.0
305.	.6	.6	.9	.4	.3	.3	.3	.6	.5	.4	.5	.7	.6	.5	.0	.0	.0	.0	.0	.0
310.	.6	.6	.9	.3	.3	.3	.4	.5	.4	.3	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0
315.	.6	.7	.9	.3	.3	.4	.6	.3	.4	.2	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0
320.	.6	.7	.9	.4	.4	.6	.6	.2	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
325.	.6	.7	.9	.3	.5	.8	.8	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
330.	.6	.7	.7	.3	.4	.9	.8	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
335.	.7	.8	.7	.3	.5	.9	.7	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
340.	.7	.8	.8	.4	.7	1.1	.8	.1	.1	.3	.7	.7	.6	.4	.0	.0	.0	.0	.0	.0
345.	.7	.8	.7	.5	1.0	1.0	.7	.0	.1	.3	.7	.8	.6	.5	.0	.0	.0	.0	.0	.0
350.	.6	.8	.6	.6	1.0	1.1	.5	.0	.1	.2	.7	.8	.6	.5	.0	.0	.0	.0	.0	.0
355.	.7	.8	.7	.7	.9	1.0	.5	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
360.	.7	.8	.7	.7	.9	1.0	.4	.0	.0	.1	.6	.7	.5	.5	.0	.0	.0	.0	.0	.0
MAX	.7	.8	.9	.7	1.0	1.1	.8	1.2	1.3	1.4	1.1	.8	.9	.9	1.0	1.0	1.0	.8	.5	.5
DEGR.	0	0	295	0	345	340	325	270	230	220	145	245	225	220	170	165	130	45	105	100

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JOB: S19 Campus & US1 NB2030PM

RUN: Campus & US1 NB2030PM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
 the maximum concentration, only the first  
 angle, of the angles with same maximum  
 concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	.0	.2	.4	.5	.3	.1	.1	.1
5.	.0	.2	.4	.5	.3	.1	.2	.1
10.	.0	.2	.4	.5	.3	.2	.2	.1
15.	.0	.1	.5	.5	.2	.2	.2	.1
20.	.0	.1	.5	.5	.2	.1	.2	.1
25.	.0	.1	.5	.5	.3	.3	.2	.1
30.	.0	.1	.5	.5	.6	.4	.4	.1
35.	.0	.2	.5	.5	.5	.3	.5	.3
40.	.0	.2	.5	.5	.6	.5	.6	.4
45.	.0	.2	.5	.6	.5	.5	.7	.4
50.	.0	.1	.5	.8	.5	.6	.7	.5
55.	.0	.2	.6	.8	.2	.6	.7	.5
60.	.0	.2	.7	.8	.3	.6	.7	.4
65.	.0	.2	.7	.6	.3	.7	.6	.6
70.	.1	.3	.6	.6	.4	.7	.6	.5
75.	.1	.3	.5	.6	.5	.7	.6	.5
80.	.2	.3	.4	.6	.5	.7	.5	.5
85.	.2	.3	.6	.6	.5	.7	.5	.5
90.	.1	.5	.5	.6	.5	.7	.5	.5
95.	.1	.3	.5	.5	.5	.6	.5	.5
100.	.3	.3	.4	.5	.5	.5	.5	.4
105.	.3	.1	.2	.3	.5	.5	.4	.4
110.	.3	.1	.1	.3	.5	.5	.4	.4
115.	.4	.0	.1	.3	.5	.4	.4	.4
120.	.3	.0	.2	.3	.4	.4	.4	.4
125.	.2	.0	.1	.3	.4	.4	.4	.4
130.	.2	.0	.1	.2	.5	.4	.4	.4
135.	.2	.0	.1	.2	.4	.4	.4	.4
140.	.2	.0	.2	.2	.4	.4	.4	.4
145.	.2	.0	.2	.2	.4	.4	.4	.4
150.	.3	.0	.2	.2	.4	.4	.4	.4

155.	*	.2	.0	.1	.2	.4	.4	.4	.4
160.	*	.2	.0	.1	.2	.4	.4	.4	.4
165.	*	.2	.0	.1	.2	.3	.4	.4	.4
170.	*	.2	.0	.1	.2	.3	.4	.6	.4
175.	*	.2	.0	.1	.2	.3	.5	.6	.3
180.	*	.2	.0	.1	.1	.4	.5	.5	.3
185.	*	.2	.0	.0	.1	.3	.6	.5	.3
190.	*	.2	.0	.0	.1	.3	.6	.5	.3
195.	*	.2	.0	.0	.1	.3	.5	.4	.3
200.	*	.1	.0	.0	.0	.2	.4	.4	.3
205.	*	.1	.0	.0	.0	.1	.3	.4	.2

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JOB: S19 Campus & US1 NB2030PM

RUN: Campus & US1 NB2030PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.1	.0	.0	.0	.1	.2	.2	.1
215.	*	.1	.0	.0	.0	.1	.2	.2	.1
220.	*	.1	.0	.0	.0	.0	.1	.1	.0
225.	*	.1	.0	.0	.0	.0	.1	.1	.0
230.	*	.1	.0	.0	.0	.0	.0	.1	.0
235.	*	.1	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.0	.0	.0	.0	.0	.0	.0
245.	*	.1	.0	.0	.0	.0	.0	.0	.0
250.	*	.1	.1	.0	.0	.0	.0	.0	.0
255.	*	.1	.1	.0	.2	.0	.0	.0	.0
260.	*	.1	.1	.0	.2	.0	.0	.0	.0
265.	*	.1	.1	.1	.3	.0	.0	.0	.0
270.	*	.0	.1	.1	.3	.1	.0	.0	.0
275.	*	.0	.1	.1	.4	.1	.0	.0	.0
280.	*	.0	.1	.1	.4	.2	.0	.0	.0
285.	*	.0	.1	.1	.5	.3	.0	.0	.0
290.	*	.0	.1	.1	.5	.3	.0	.0	.0
295.	*	.0	.1	.1	.5	.3	.0	.0	.0
300.	*	.0	.1	.1	.5	.3	.0	.0	.0
305.	*	.0	.1	.1	.5	.4	.1	.0	.0
310.	*	.0	.1	.1	.5	.4	.1	.0	.0
315.	*	.0	.1	.2	.5	.3	.1	.0	.0
320.	*	.0	.1	.2	.5	.3	.1	.0	.0
325.	*	.0	.1	.2	.5	.3	.1	.0	.0
330.	*	.0	.1	.2	.5	.3	.1	.0	.0
335.	*	.0	.1	.3	.5	.3	.1	.1	.0
340.	*	.0	.1	.3	.5	.3	.1	.1	.0
345.	*	.0	.1	.3	.5	.3	.1	.1	.0
350.	*	.0	.1	.4	.5	.3	.1	.1	.0
355.	*	.0	.2	.4	.5	.3	.1	.1	.1
360.	*	.0	.2	.4	.5	.3	.1	.1	.1

MAX	*	.4	.5	.7	.8	.6	.7	.7	.6
DEGR.	*	115	90	60	50	30	65	45	65

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 220 DEGREES FROM REC10.  
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 230 DEGREES FROM REC9 .  
THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 270 DEGREES FROM REC8 .



S19 Campus & US1 LRT2030AM				60.0321.0.0000.000280.30480000				1	1
SE MID S		1016.	704.	5.0					
SE 164 S		1052.	778.	5.0					
SE 82 S		1086.	852.	5.0					
SE CNR		1139.	918.	5.0					
SE 82 E		1218.	892.	5.0					
SE 164 E		1289.	850.	5.0					
SE MID E		1359.	807.	5.0					
NE MID E		1401.	916.	5.0					
NE 164 E		1330.	961.	5.0					
NE 82 E		1262.	1001.	5.0					
NE CNR		1190.	1057.	5.0					
NE 82 N		1215.	1145.	5.0					
NE 164 N		1248.	1219.	5.0					
NE MID N		1283.	1293.	5.0					
NW MID N		1179.	1327.	5.0					
NW 164 N		1142.	1254.	5.0					
NW 82 N		1105.	1181.	5.0					
NW CNR		1066.	1108.	5.0					
NW 82 W		983.	1094.	5.0					
NW 164 W		902.	1094.	5.0					
NW MID W		820.	1092.	5.0					
SW MID W		728.	960.	5.0					
SW 164 W		810.	963.	5.0					
SW 82 W		892.	969.	5.0					
SW CNR		977.	945.	5.0					
SW 82 S		959.	857.	5.0					
SW 164 S		924.	783.	5.0					
SW MID S		876.	716.	5.0					
Campus & US1 LRT2030AM			53	1	0				
0	1	US1nbAP	AG	655.	112.	798.	406.	1096	3.3 0 44 30.
0	1	US1nbAP	AG	798.	406.	942.	647.	1096	3.3 0 44 30.
0	1	US1nbAP	AG	942.	647.	1009.	772.	1096	3.3 0 44 30.
0	2	US1nbAP	AG	1008.	772.	1124.	1009.	779	3.3 0 44 30.
0	150	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24 2
				83	6	779	32.1	1770	1 3
0	2	US1nbL	AG	981.	776.	1092.	1003.	169	3.3 0 44 30.
0	150	US1nbLQ	AG	1051.	919.	996.	806.	0.	24 2
				129	5	169	32.1	1717	1 3
0	2	US1nbR	AG	1022.	756.	1118.	955.	148	3.3 0 32 30.
0	150	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12 1
				83	6	148	32.1	1583	1 3
0	1	US1nbD	AG	1125.	1010.	1325.	1430.	1327	3.3 0 44 30.
0	1	US1nbD	AG	1325.	1430.	1401.	1631.	1327	3.3 0 44 30.
0	1	US1nbD	AG	1401.	1631.	1488.	1926.	1327	3.3 0 44 30.
0	1	US1sbAP	AG	1443.	1894.	1339.	1601.	2721	3.3 0 44 30.
0	1	US1sbAP	AG	1339.	1601.	1279.	1462.	2721	3.3 0 44 30.
0	2	US1sbT	AG	1279.	1462.	1069.	1021.	1718	3.3 0 44 30.
0	150	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24 2
				72	6	1718	32.1	1770	1 3
0	2	US1sbL	AG	1299.	1450.	1090.	1015.	507	3.3 0 44 30.
0	150	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24 2
				118	5	507	32.1	1717	1 3
0	2	US1sbR	AG	1259.	1459.	1055.	1038.	496	3.3 0 32 30.
0	150	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12 1
				72	6	496	32.1	1583	1 3
0	1	US1sbD	AG	1068.	1020.	624.	131.	2467	3.3 0 44 30.
0	1	CMebA	AG	121.	788.	376.	896.	151	4.4 0 44 30.
0	1	CMebTL	AG	375.	897.	608.	964.	200	4.4 0 44 30.
0	1	CMebTL	AG	608.	964.	743.	984.	200	4.4 0 44 30.
0	2	CMebTL	AG	744.	982.	1049.	996.	200	4.4 0 44 30.
0	150	CMebTLQ	AG	993.	993.	754.	983.	0.	24 2
				127	6	200	32.1	1726	1 3
0	1	CMebR	AG	456.	912.	776.	925.	72	4.4 0 32 30.
0	1	CMebR	AG	776.	925.	866.	877.	72	4.4 0 32 30.
0	1	CMebR	AG	866.	877.	904.	809.	72	4.4 0 32 30.

[illegible]

JOB: S19 Campus & US1 LRT2030AM  
 DATE: 12/07/2007 TIME: 15:19:21.83

RUN: Campus & US1 LRT2030AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	1096.	3.3	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	1096.	3.3	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	1096.	3.3	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	779.	3.3	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	997.9	750.2	*	177.	206. AG	95.	100.0	.0	24.0	.51 9.0
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	169.	3.3	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1025.1	865.7	*	59.	206. AG	148.	100.0	.0	24.0	.40 3.0
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	148.	3.3	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	1062.8	840.5	*	67.	206. AG	48.	100.0	.0	12.0	.22 3.4
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	1327.	3.3	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	1327.	3.3	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	1327.	3.3	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2721.	3.3	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2721.	3.3	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1718.	3.3	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1297.0	1499.1	*	431.	26. AG	83.	100.0	.0	24.0	.97 21.9
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	507.	3.3	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1203.2	1250.5	*	168.	26. AG	135.	100.0	.0	24.0	.75 8.5
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	496.	3.3	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1179.2	1293.7	*	195.	26. AG	41.	100.0	.0	12.0	.62 9.9
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	2467.	3.3	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	151.	4.4	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	200.	4.4	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	200.	4.4	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	200.	4.4	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	923.6	990.1	*	69.	268. AG	146.	100.0	.0	24.0	.43 3.5
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	72.	4.4	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	72.	4.4	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	72.	4.4	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	72.	4.4	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	797.	4.4	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	797.	4.4	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	797.	4.4	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	797.	4.4	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	797.	4.4	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	797.	4.4	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	797.	4.4	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1659.	4.4	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1659.	4.4	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1659.	4.4	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	1169.	4.4	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	1169.	4.4	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	1169.	4.4	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1452.3	832.6	*	313.	121. AG	191.	100.0	.0	36.0	.97 15.9

JOB: S19 Campus & US1 LRT2030AM  
 DATE: 12/07/2007 TIME: 15:19:21.83

RUN: Campus & US1 LRT2030AM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	490.	4.4	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	490.	4.4	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	490.	4.4	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	1295.3	954.5	*	121.	120. AG	103.	100.0	.0	24.0	.46 6.1
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	1157.	4.4	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	1157.	4.4	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	1157.	4.4	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	398.	4.4	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	398.	4.4	.0	32.0	

JOB: S19 Campus & US1 LRT2030AM  
 DATE: 12/07/2007 TIME: 15:19:21.83

RUN: Campus & US1 LRT2030AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	83	.6	779	1770	32.10	1	3
7. 0	US1nbLQ	150	129	.5	169	1717	32.10	1	3
9. 0	US1nbRQ	150	83	.6	148	1583	32.10	1	3
16. 0	US1sbTQ	150	72	.6	1718	1770	32.10	1	3
18. 0	US1sbLQ	150	118	.5	507	1717	32.10	1	3

20. 0	US1sbRQ	*	150	72	.6	496	1583	32.10	1	3
26. 0	CMebTLQ	*	150	127	.6	200	1726	32.10	1	3
44. 0	CMwbTLQ	*	150	111	.6	1169	1646	32.10	1	3
48. 0	CMwbRQ	*	150	90	.6	490	1394	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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JOB: S19 Campus & US1 LRT2030AM

RUN: Campus & US1 LRT2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.4	.5	.5	.6	.9	.6	.6	.0	.0	.1	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0
5. *	.5	.5	.6	.6	.6	.6	.5	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
10. *	.5	.6	.6	.6	.6	.5	.5	.0	.0	.0	.4	.4	.4	.5	.0	.0	.0	.0	.0	.0
15. *	.4	.3	.6	.6	.6	.5	.5	.0	.0	.0	.4	.4	.3	.4	.0	.0	.1	.0	.0	.0
20. *	.2	.2	.5	.5	.6	.5	.5	.0	.0	.0	.1	.3	.2	.2	.3	.3	.3	.2	.0	.0
25. *	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.1	.2	.2	.2	.5	.3	.4	.4	.0	.0
30. *	.2	.1	.2	.4	.6	.5	.6	.0	.0	.0	.1	.1	.1	.1	.5	.3	.5	.6	.0	.0
35. *	.1	.1	.2	.5	.6	.5	.6	.0	.0	.0	.0	.1	.1	.1	.5	.6	.6	.7	.1	.0
40. *	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1	.1	.6	.6	.7	.7	.2	.0
45. *	.1	.1	.3	.5	.6	.5	.5	.0	.0	.0	.0	.1	.1	.1	.6	.6	.8	.9	.2	.0
50. *	.1	.1	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.7	.8	.9	.3	.1
55. *	.1	.1	.4	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.7	.8	.9	.3	.1
60. *	.1	.1	.3	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.2
65. *	.1	.1	.3	.6	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
70. *	.1	.1	.2	.6	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
75. *	.1	.1	.2	.6	.5	.5	.4	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.7	.3	.3
80. *	.0	.1	.2	.6	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.7	.3	.2
85. *	.0	.1	.1	.5	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.6	.2	.3
90. *	.0	.0	.1	.5	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.5	.2	.3
95. *	.0	.0	.1	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.5	.1	.2
100. *	.0	.0	.1	.4	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.6	.8	.9	.4	.3	.3
105. *	.0	.0	.0	.3	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.6	.9	.9	.4	.4	.3
110. *	.0	.0	.0	.2	.4	.3	.3	.0	.0	.1	.0	.0	.0	.0	.6	.9	.9	.5	.4	.3
115. *	.0	.0	.0	.2	.2	.3	.3	.0	.1	.2	.1	.0	.0	.0	.6	.9	.9	.6	.5	.3
120. *	.0	.0	.0	.2	.2	.2	.2	.0	.1	.4	.2	.0	.0	.0	.6	.9	.9	.7	.6	.4
125. *	.0	.0	.0	.0	.1	.2	.1	.1	.3	.4	.3	.0	.0	.0	.6	.9	1.0	.7	.4	.5
130. *	.0	.0	.0	.0	.1	.1	.1	.2	.4	.6	.6	.0	.0	.0	.6	.9	1.0	.7	.4	.6
135. *	.0	.0	.0	.0	.1	.0	.1	.2	.5	.7	.7	.1	.0	.0	.6	1.0	1.0	.7	.4	.4
140. *	.0	.0	.0	.0	.0	.0	.1	.5	.6	.8	.8	.1	.0	.0	.6	1.0	1.1	.5	.3	.4
145. *	.0	.0	.0	.0	.0	.0	.1	.5	.7	.8	.8	.1	.1	.0	.6	1.0	1.3	.4	.3	.4
150. *	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.8	.2	.1	.0	.8	1.0	1.2	.5	.3	.4
155. *	.0	.0	.0	.0	.0	.0	.0	.5	.7	1.0	.8	.3	.1	.0	.8	1.0	1.1	.4	.3	.4
160. *	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.0	.8	.4	.1	.1	.8	1.0	1.0	.3	.3	.4
165. *	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.7	.4	.1	.1	.8	1.0	1.0	.4	.4	.4
170. *	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.7	.4	.1	.1	.9	1.0	.7	.4	.5	.4
175. *	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.6	.4	.1	.1	1.0	1.0	.6	.4	.3	.4
180. *	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.5	.4	.1	.1	1.0	.9	.6	.5	.3	.3
185. *	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.5	.3	.2	.2	.9	.7	.6	.6	.3	.3
190. *	.0	.0	.0	.0	.0	.0	.0	.6	.6	.9	.4	.4	.2	.2	.8	.8	.5	.5	.4	.3

195.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.0	.3	.3	.2	.2	.8	.7	.4	.3	.3	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.0	.3	.4	.3	.3	.7	.6	.4	.3	.3	.2
205.	*	.0	.1	.2	.0	.0	.0	.0	.6	.7	1.0	.4	.3	.3	.4	.6	.5	.4	.3	.3	.2

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JOB: S19 Campus &amp; US1 LRT2030AM

RUN: Campus &amp; US1 LRT2030AM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.2	.2	.2	.2	.0	.0	.0	.6	.7	.9	.4	.4	.4	.4	.5	.4	.2	.3	.2	.2
215.	*	.2	.2	.2	.2	.0	.0	.0	.6	.7	1.0	.4	.3	.4	.5	.4	.2	.1	.3	.3	.2
220.	*	.2	.2	.4	.2	.1	.0	.0	.6	.7	1.0	.5	.3	.5	.7	.0	.0	.0	.3	.2	.2
225.	*	.3	.2	.4	.2	.1	.0	.0	.7	.8	1.0	.4	.3	.6	.6	.0	.0	.0	.2	.2	.2
230.	*	.3	.3	.4	.5	.1	.1	.0	.8	.8	1.1	.4	.5	.6	.6	.0	.0	.0	.2	.2	.2
235.	*	.2	.3	.5	.6	.1	.1	.0	.8	.7	1.1	.4	.5	.6	.6	.0	.0	.0	.2	.2	.3
240.	*	.2	.3	.5	.6	.2	.1	.0	.8	.8	1.0	.4	.4	.6	.5	.0	.0	.0	.1	.2	.3
245.	*	.2	.3	.5	.4	.2	.1	.1	.7	.8	1.0	.4	.5	.6	.5	.0	.0	.0	.1	.2	.3
250.	*	.2	.4	.5	.4	.2	.1	.1	.7	.8	1.0	.4	.6	.6	.5	.0	.0	.0	.1	.1	.3
255.	*	.2	.4	.5	.4	.2	.1	.1	.8	.8	.9	.5	.6	.6	.5	.0	.0	.0	.2	.1	.3
260.	*	.2	.4	.5	.4	.2	.1	.0	.8	.9	.9	.5	.6	.6	.4	.0	.0	.0	.1	.1	.2
265.	*	.2	.3	.5	.4	.3	.2	.0	.7	.9	.8	.4	.5	.6	.4	.0	.0	.0	.0	.1	.2
270.	*	.2	.3	.6	.4	.3	.2	.0	.7	.8	.7	.3	.5	.5	.3	.0	.0	.0	.0	.1	.2
275.	*	.2	.4	.6	.3	.2	.1	.0	.7	.8	.6	.3	.5	.5	.3	.0	.0	.0	.0	.1	.1
280.	*	.2	.4	.6	.3	.1	.1	.0	.7	.8	.5	.3	.5	.5	.3	.0	.0	.0	.0	.1	.1
285.	*	.2	.4	.6	.3	.1	.2	.0	.7	.7	.5	.2	.5	.5	.3	.0	.0	.0	.0	.0	.0
290.	*	.2	.4	.7	.3	.2	.2	.1	.6	.6	.4	.2	.5	.6	.4	.0	.0	.0	.0	.0	.0
295.	*	.2	.4	.7	.3	.2	.1	.1	.5	.5	.3	.3	.6	.6	.4	.0	.0	.0	.0	.0	.0
300.	*	.2	.4	.7	.4	.3	.1	.2	.5	.5	.2	.3	.6	.5	.4	.0	.0	.0	.0	.0	.0
305.	*	.2	.4	.7	.3	.2	.2	.3	.4	.2	.5	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
310.	*	.2	.4	.8	.3	.2	.3	.4	.3	.2	.3	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
315.	*	.2	.4	.8	.3	.2	.4	.5	.0	.1	.2	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
320.	*	.2	.4	.8	.4	.2	.5	.7	.0	.1	.4	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0
325.	*	.3	.4	.8	.4	.3	.6	.7	.0	.1	.4	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
330.	*	.3	.4	.6	.3	.3	.7	.6	.0	.1	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
335.	*	.3	.5	.6	.3	.4	.6	.6	.0	.1	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
340.	*	.3	.5	.6	.2	.6	.7	.5	.0	.0	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
345.	*	.3	.5	.5	.3	.9	.6	.5	.0	.0	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
350.	*	.4	.5	.4	.5	1.0	.6	.5	.0	.0	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
355.	*	.4	.5	.5	.6	1.0	.6	.5	.0	.0	.2	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0
360.	*	.4	.5	.5	.6	.9	.6	.6	.0	.0	.1	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0
MAX	*	.5	.6	.8	.6	1.0	.7	.7	.8	.9	1.1	.8	.6	.6	.7	1.0	1.0	1.3	.9	.6	.6
DEGR.	*	5	10	310	0	350	330	320	230	260	230	140	250	225	220	175	135	145	45	120	130

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JOB: S19 Campus &amp; US1 LRT2030AM

RUN: Campus &amp; US1 LRT2030AM

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## MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE *	(PPM)								
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	
0.	*	.0	.1	.1	.1	.2	.1	.1	.0
5.	*	.0	.1	.0	.1	.3	.2	.1	.0
10.	*	.0	.1	.0	.1	.3	.2	.1	.0
15.	*	.0	.1	.0	.1	.3	.2	.2	.1
20.	*	.0	.1	.0	.1	.3	.3	.2	.1
25.	*	.0	.1	.1	.1	.4	.4	.3	.1
30.	*	.0	.1	.1	.0	.5	.5	.4	.2
35.	*	.0	.1	.1	.1	.6	.4	.5	.2
40.	*	.0	.1	.1	.3	.6	.6	.5	.4
45.	*	.0	.0	.1	.3	.5	.5	.6	.4
50.	*	.0	.0	.0	.6	.4	.5	.7	.5
55.	*	.0	.0	.0	.5	.4	.5	.7	.5
60.	*	.0	.0	.0	.5	.2	.6	.6	.5
65.	*	.0	.0	.1	.4	.2	.7	.5	.5
70.	*	.0	.0	.1	.3	.4	.7	.5	.5
75.	*	.1	.0	.1	.4	.5	.6	.5	.4
80.	*	.1	.0	.2	.4	.5	.6	.5	.2
85.	*	.1	.1	.3	.4	.4	.6	.5	.2
90.	*	.1	.1	.3	.4	.5	.6	.4	.3
95.	*	.2	.1	.3	.3	.4	.6	.4	.3
100.	*	.3	.2	.2	.3	.4	.5	.4	.3
105.	*	.3	.1	.2	.2	.4	.4	.4	.3
110.	*	.3	.1	.1	.3	.5	.4	.4	.3
115.	*	.4	.1	.1	.2	.5	.4	.5	.2
120.	*	.4	.1	.1	.3	.4	.4	.4	.2
125.	*	.4	.1	.1	.3	.4	.4	.4	.2
130.	*	.3	.1	.1	.2	.5	.4	.4	.2
135.	*	.4	.1	.1	.2	.4	.4	.4	.2
140.	*	.3	.1	.1	.2	.4	.4	.4	.2
145.	*	.3	.1	.1	.2	.4	.4	.4	.2
150.	*	.3	.1	.1	.1	.4	.4	.4	.2

155.	*	.3	.1	.1	.1	.4	.4	.4	.2
160.	*	.3	.1	.1	.1	.4	.4	.4	.4
165.	*	.2	.1	.1	.1	.3	.4	.3	.4
170.	*	.2	.1	.1	.1	.3	.3	.4	.4
175.	*	.2	.1	.1	.1	.3	.4	.4	.4
180.	*	.3	.1	.1	.1	.2	.4	.4	.4
185.	*	.3	.0	.1	.1	.2	.4	.4	.4
190.	*	.2	.0	.1	.1	.2	.4	.4	.3
195.	*	.2	.0	.0	.1	.2	.4	.5	.3
200.	*	.2	.0	.0	.1	.2	.4	.4	.3
205.	*	.2	.0	.0	.0	.2	.4	.4	.2

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JOB: S19 Campus & US1 LRT2030AM

RUN: Campus & US1 LRT2030AM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.2	.0	.0	.0	.1	.3	.3	.2
215.	*	.2	.0	.0	.0	.1	.2	.3	.1
220.	*	.2	.0	.0	.0	.0	.2	.2	.1
225.	*	.2	.0	.0	.0	.0	.1	.1	.0
230.	*	.2	.0	.0	.0	.0	.1	.1	.0
235.	*	.2	.0	.0	.0	.0	.0	.1	.0
240.	*	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.0	.0	.0	.0	.0	.0	.0
260.	*	.1	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.1	.1	.0	.0	.0
300.	*	.0	.0	.0	.1	.1	.0	.0	.0
305.	*	.0	.0	.1	.1	.1	.0	.0	.0
310.	*	.0	.0	.1	.1	.2	.0	.0	.0
315.	*	.0	.0	.1	.1	.2	.0	.0	.0
320.	*	.0	.0	.1	.0	.2	.0	.0	.0
325.	*	.0	.0	.1	.0	.3	.0	.0	.0
330.	*	.0	.1	.1	.0	.3	.0	.0	.0
335.	*	.0	.1	.1	.0	.3	.0	.0	.0
340.	*	.0	.1	.1	.1	.3	.1	.0	.0
345.	*	.0	.1	.1	.1	.3	.1	.0	.0
350.	*	.0	.1	.1	.1	.3	.1	.0	.0
355.	*	.0	.1	.1	.1	.2	.1	.0	.0
360.	*	.0	.1	.1	.1	.2	.1	.1	.0

MAX	*	.4	.2	.3	.6	.6	.7	.7	.5
DEGR.	*	115	100	85	50	35	65	50	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 145 DEGREES FROM REC17.  
THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 230 DEGREES FROM REC10.  
THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 350 DEGREES FROM REC5 .

S19 Campus & US1 LRT2030PM				60.0321.0.0000.000280.30480000				1	1
SE MID S		1016.	704.	5.0					
SE 164 S		1052.	778.	5.0					
SE 82 S		1086.	852.	5.0					
SE CNR		1139.	918.	5.0					
SE 82 E		1218.	892.	5.0					
SE 164 E		1289.	850.	5.0					
SE MID E		1359.	807.	5.0					
NE MID E		1401.	916.	5.0					
NE 164 E		1330.	961.	5.0					
NE 82 E		1262.	1001.	5.0					
NE CNR		1190.	1057.	5.0					
NE 82 N		1215.	1145.	5.0					
NE 164 N		1248.	1219.	5.0					
NE MID N		1283.	1293.	5.0					
NW MID N		1179.	1327.	5.0					
NW 164 N		1142.	1254.	5.0					
NW 82 N		1105.	1181.	5.0					
NW CNR		1066.	1108.	5.0					
NW 82 W		983.	1094.	5.0					
NW 164 W		902.	1094.	5.0					
NW MID W		820.	1092.	5.0					
SW MID W		728.	960.	5.0					
SW 164 W		810.	963.	5.0					
SW 82 W		892.	969.	5.0					
SW CNR		977.	945.	5.0					
SW 82 S		959.	857.	5.0					
SW 164 S		924.	783.	5.0					
SW MID S		876.	716.	5.0					
Campus & US1 LRT2030PM			53	1	0				
1									
0	US1nbAP	AG	655.	112.	798.	406.	2135	3.4	0 44 30.
1									
0	US1nbAP	AG	798.	406.	942.	647.	2135	3.4	0 44 30.
1									
0	US1nbAP	AG	942.	647.	1009.	772.	2135	3.4	0 44 30.
1									
0	US1nbAP	AG	1008.	772.	1124.	1009.	1466	3.4	0 44 30.
2									
0	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24	2
150		82	6	1466	32.1	1770	1	3	
1									
0	US1nbL	AG	981.	776.	1092.	1003.	162	3.4	0 44 30.
2									
0	US1nbLQ	AG	1051.	919.	996.	806.	0.	24	2
150		131	5	162	32.1	1717	1	3	
1									
0	US1nbR	AG	1022.	756.	1118.	955.	507	3.4	0 32 30.
2									
0	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12	1
150		82	6	507	32.1	1583	1	3	
1									
0	US1nbD	AG	1125.	1010.	1325.	1430.	2571	3.4	0 44 30.
1									
0	US1nbD	AG	1325.	1430.	1401.	1631.	2571	3.4	0 44 30.
1									
0	US1nbD	AG	1401.	1631.	1488.	1926.	2571	3.4	0 44 30.
1									
0	US1sbAP	AG	1443.	1894.	1339.	1601.	2037	3.4	0 44 30.
1									
0	US1sbAP	AG	1339.	1601.	1279.	1462.	2037	3.4	0 44 30.
1									
0	US1sbT	AG	1279.	1462.	1069.	1021.	1280	3.4	0 44 30.
2									
0	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24	2
150		71	6	1280	32.1	1770	1	3	
1									
0	US1sbL	AG	1299.	1450.	1090.	1015.	470	3.4	0 44 30.
2									
0	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24	2
150		120	5	470	32.1	1717	1	3	
1									
0	US1sbR	AG	1259.	1459.	1055.	1038.	287	3.4	0 32 30.
2									
0	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12	1
150		71	6	287	32.1	1583	1	3	
1									
0	US1sbD	AG	1068.	1020.	624.	131.	1756	3.4	0 44 30.
1									
0	CMebA	AG	121.	788.	376.	896.	393	4.4	0 44 30.
1									
0	CMebTL	AG	375.	897.	608.	964.	566	4.4	0 44 30.
1									
0	CMebTL	AG	608.	964.	743.	984.	566	4.4	0 44 30.
1									
0	CMebTL	AG	744.	982.	1049.	996.	566	4.4	0 44 30.
2									
0	CMebTLQ	AG	993.	993.	754.	983.	0.	24	2
150		110	6	566	32.1	1726	1	3	
1									
0	CMebR	AG	456.	912.	776.	925.	142	4.4	0 32 30.
1									
0	CMebR	AG	776.	925.	866.	877.	142	4.4	0 32 30.
1									
0	CMebR	AG	866.	877.	904.	809.	142	4.4	0 32 30.

[illegible]



JOB: S19 Campus & US1 LRT2030PM  
 DATE: 12/07/2007 TIME: 16:13:08.60

RUN: Campus & US1 LRT2030PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	2135.	3.4	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	2135.	3.4	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	2135.	3.4	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	1466.	3.4	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	899.8	547.8	*	401.	206. AG	94. 100.0	.0	24.0	.95	20.4
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	162.	3.4	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1025.6	866.8	*	58.	206. AG	150. 100.0	.0	24.0	.43	2.9
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	507.	3.4	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	993.2	696.3	*	227.	206. AG	47. 100.0	.0	12.0	.73	11.5
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	2571.	3.4	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	2571.	3.4	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	2571.	3.4	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2037.	3.4	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2037.	3.4	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1280.	3.4	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1218.1	1334.2	*	248.	26. AG	82. 100.0	.0	24.0	.71	12.6
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	470.	3.4	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1199.5	1242.7	*	160.	26. AG	138. 100.0	.0	24.0	.75	8.1
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	287.	3.4	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1142.6	1218.3	*	111.	26. AG	41. 100.0	.0	12.0	.36	5.7
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	1756.	3.4	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	393.	4.4	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	566.	4.4	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	566.	4.4	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	566.	4.4	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	822.9	985.9	*	170.	268. AG	126. 100.0	.0	24.0	.66	8.6
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	142.	4.4	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	142.	4.4	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	142.	4.4	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	142.	4.4	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	1289.	4.4	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	1289.	4.4	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	1289.	4.4	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	1289.	4.4	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	1289.	4.4	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	1289.	4.4	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	1289.	4.4	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1417.	4.4	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1417.	4.4	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1417.	4.4	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	566.	4.4	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	566.	4.4	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	566.	4.4	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1321.0	910.3	*	160.	121. AG	220. 100.0	.0	36.0	.89	8.1

JOB: S19 Campus & US1 LRT2030PM  
 DATE: 12/07/2007 TIME: 16:13:08.60

RUN: Campus & US1 LRT2030PM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	851.	4.4	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	851.	4.4	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	851.	4.4	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	2092.1	492.3	*	1042.	120. AG	125. 100.0	.0	24.0	1.19	52.9
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	681.	4.4	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	681.	4.4	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	681.	4.4	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	358.	4.4	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	358.	4.4	.0	32.0	

JOB: S19 Campus & US1 LRT2030PM  
 DATE: 12/07/2007 TIME: 16:13:08.60

RUN: Campus & US1 LRT2030PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5. 0	US1nbTQ	150	82	.6	1466	1770	32.10	1	3
7. 0	US1nbLQ	150	131	.5	162	1717	32.10	1	3
9. 0	US1nbRQ	150	82	.6	507	1583	32.10	1	3
16. 0	US1sbTQ	150	71	.6	1280	1770	32.10	1	3
18. 0	US1sbLQ	150	120	.5	470	1717	32.10	1	3

20. 0	US1sbRQ	*	150	71	.6	287	1583	32.10	1	3
26. 0	CMebTLQ	*	150	110	.6	566	1726	32.10	1	3
44. 0	CMwbTLQ	*	150	128	.6	566	1645	32.10	1	3
48. 0	CMwbRQ	*	150	109	.6	851	1394	32.10	1	3

# RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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JOB: S19 Campus & US1 LRT2030PM

RUN: Campus & US1 LRT2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

# WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	.7	.8	.7	.6	.9	1.0	.4	.0	.0	.1	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
5. *	.8	.8	.8	.7	.9	.8	.3	.0	.0	.1	.6	.7	.5	.6	.0	.0	.0	.0	.0	.0
10. *	.8	.7	.7	.6	.9	.8	.3	.0	.0	.1	.6	.5	.4	.6	.0	.0	.0	.0	.0	.0
15. *	.6	.5	.7	.5	.9	.7	.2	.0	.0	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0
20. *	.4	.5	.6	.5	.8	.7	.3	.0	.0	.0	.2	.4	.5	.5	.0	.1	.1	.2	.0	.0
25. *	.4	.5	.5	.4	.8	.6	.3	.0	.0	.0	.2	.4	.5	.4	.1	.1	.2	.2	.0	.0
30. *	.5	.5	.4	.5	.8	.6	.4	.0	.0	.0	.1	.3	.3	.4	.3	.2	.2	.5	.0	.0
35. *	.2	.1	.3	.5	.8	.4	.4	.0	.0	.0	.1	.2	.2	.3	.4	.4	.4	.5	.0	.0
40. *	.1	.2	.2	.4	.8	.4	.5	.0	.0	.0	.0	.1	.2	.1	.3	.5	.6	.6	.0	.0
45. *	.2	.2	.2	.6	.8	.4	.5	.0	.0	.0	.0	.1	.1	.1	.3	.5	.8	.6	.3	.0
50. *	.2	.2	.3	.6	.8	.3	.4	.0	.0	.0	.0	.1	.1	.1	.4	.6	.8	.7	.4	.0
55. *	.2	.2	.4	.6	.9	.4	.4	.0	.0	.0	.0	.1	.1	.1	.4	.5	.6	.7	.4	.0
60. *	.1	.2	.4	.6	.8	.4	.6	.0	.0	.0	.0	.1	.0	.2	.4	.7	.7	.4	.2	.2
65. *	.1	.2	.4	.5	.8	.4	.6	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.7	.4	.3
70. *	.1	.2	.3	.5	.7	.4	.5	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.7	.4	.3
75. *	.1	.1	.3	.5	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.5	.4	.2
80. *	.1	.1	.3	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.5	.4	.2
85. *	.1	.1	.3	.7	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.4	.7	.5	.3	.2
90. *	.1	.1	.2	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.3	.5	.7	.4	.3	.1
95. *	.1	.1	.1	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.4	.5	.7	.4	.2	.2
100. *	.0	.1	.1	.5	.6	.5	.4	.1	.1	.1	.0	.0	.0	.0	.4	.5	.7	.3	.4	.5
105. *	.0	.1	.1	.5	.5	.5	.4	.2	.1	.1	.1	.0	.0	.0	.4	.5	.7	.4	.5	.4
110. *	.0	.0	.1	.3	.5	.5	.3	.2	.2	.3	.1	.0	.0	.0	.4	.6	.7	.6	.5	.4
115. *	.0	.0	.0	.2	.3	.4	.3	.3	.4	.4	.2	.0	.0	.0	.4	.6	.8	.6	.5	.4
120. *	.0	.0	.0	.2	.3	.3	.3	.5	.5	.5	.5	.1	.0	.0	.4	.6	.8	.6	.3	.4
125. *	.0	.0	.0	.1	.3	.3	.2	.6	.7	.7	.5	.1	.0	.0	.4	.7	.8	.7	.3	.3
130. *	.0	.0	.0	.0	.1	.2	.2	.7	.7	.7	.7	.1	.1	.0	.4	.7	.9	.8	.4	.1
135. *	.0	.0	.0	.0	.1	.2	.2	.7	.7	.9	.7	.1	.1	.1	.5	.7	1.0	.7	.3	.2
140. *	.0	.0	.0	.0	.1	.0	.1	.7	.7	1.0	.8	.2	.1	.1	.5	.7	.9	.6	.3	.3
145. *	.0	.0	.0	.0	.0	.0	.1	.7	.8	1.1	1.0	.3	.1	.1	.5	.8	.9	.4	.3	.3
150. *	.0	.0	.0	.0	.0	.0	.1	.8	.8	1.2	1.0	.3	.1	.1	.5	.8	.9	.3	.2	.4
155. *	.0	.0	.0	.0	.0	.0	.0	.9	.6	1.2	1.0	.2	.1	.1	.6	.8	.9	.2	.2	.4
160. *	.0	.0	.0	.0	.0	.0	.0	.9	.6	1.1	1.0	.3	.2	.1	.7	.8	.8	.3	.3	.4
165. *	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.2	.9	.3	.2	.1	.7	.8	.6	.3	.3	.4
170. *	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.2	.8	.3	.2	.3	.8	.7	.6	.5	.4	.4
175. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.8	.3	.3	.3	.9	.9	.5	.6	.4	.3
180. *	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.6	.4	.3	.3	.9	.9	.4	.6	.4	.3
185. *	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.2	.5	.3	.3	.3	.8	.8	.5	.5	.4	.3
190. *	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.2	.5	.3	.4	.4	.8	.8	.5	.3	.3	.3

195.	*	.0	.0	.1	.0	.0	.0	.0	.6	1.0	1.2	.4	.3	.3	.3	.7	.6	.4	.4	.3	.2
200.	*	.2	.1	.3	.1	.0	.0	.0	.6	1.0	1.2	.5	.4	.4	.4	.5	.6	.3	.3	.3	.2
205.	*	.2	.4	.4	.1	.0	.0	.0	.7	1.1	1.2	.7	.5	.5	.5	.5	.4	.2	.2	.2	.2

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JOB: S19 Campus & US1 LRT2030PM

RUN: Campus & US1 LRT2030PM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.3	.5	.8	.3	.0	.0	.0	.7	1.1	1.2	.6	.6	.6	.6	.3	.3	.1	.3	.2	.2
215.	*	.5	.6	.8	.4	.0	.0	.0	.6	1.1	1.3	.7	.7	.6	.7	.1	.0	.2	.3	.2	.2
220.	*	.5	.7	.8	.5	.1	.0	.0	.6	1.1	1.4	.7	.5	.6	.9	.0	.0	.1	.2	.2	.2
225.	*	.5	.7	.9	.5	.2	.0	.0	.6	1.2	1.4	.7	.5	.8	.9	.0	.0	.1	.2	.3	.1
230.	*	.5	.7	.9	.5	.2	.0	.0	.6	1.3	1.4	.6	.6	.8	.8	.0	.0	.1	.2	.2	.1
235.	*	.6	.6	.8	.7	.2	.0	.0	.6	1.3	1.4	.6	.6	.8	.7	.0	.0	.1	.2	.2	.1
240.	*	.6	.7	.8	.7	.2	.1	.0	.6	1.3	1.4	.6	.7	.8	.7	.0	.0	.0	.1	.2	.1
245.	*	.7	.7	.7	.6	.2	.1	.0	.8	1.3	1.3	.5	.8	.8	.7	.0	.0	.0	.1	.1	.1
250.	*	.6	.7	.6	.4	.2	.1	.0	.9	1.3	1.3	.5	.7	.8	.6	.0	.0	.0	.1	.1	.2
255.	*	.6	.7	.6	.4	.3	.1	.0	.9	1.2	1.3	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
260.	*	.6	.7	.6	.4	.3	.1	.1	1.1	1.3	1.0	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
265.	*	.6	.7	.6	.4	.4	.1	.1	1.1	1.2	1.2	.5	.7	.7	.5	.0	.0	.0	.0	.1	.1
270.	*	.6	.7	.7	.4	.4	.1	.0	1.2	1.2	.9	.4	.7	.7	.5	.0	.0	.0	.0	.1	.1
275.	*	.6	.7	.7	.4	.3	.0	.0	1.1	1.1	.9	.4	.7	.7	.5	.0	.0	.0	.0	.0	.0
280.	*	.6	.6	.7	.4	.3	.1	.0	1.0	1.1	.8	.4	.7	.7	.5	.0	.0	.0	.0	.0	.0
285.	*	.6	.6	.7	.3	.4	.1	.1	1.1	1.0	.6	.3	.7	.7	.5	.0	.0	.0	.0	.0	.0
290.	*	.6	.6	.8	.3	.4	.1	.1	1.1	.8	.4	.3	.7	.6	.5	.0	.0	.0	.0	.0	.0
295.	*	.6	.6	.9	.4	.4	.1	.1	.8	.8	.3	.4	.7	.6	.5	.0	.0	.0	.0	.0	.0
300.	*	.6	.6	.9	.4	.3	.2	.3	.6	.5	.3	.4	.7	.6	.5	.0	.0	.0	.0	.0	.0
305.	*	.6	.6	.9	.4	.3	.3	.3	.5	.4	.4	.4	.7	.6	.4	.0	.0	.0	.0	.0	.0
310.	*	.6	.6	.9	.3	.3	.3	.4	.5	.4	.3	.5	.7	.6	.4	.0	.0	.0	.0	.0	.0
315.	*	.6	.7	.9	.3	.3	.4	.6	.3	.4	.2	.5	.7	.5	.4	.0	.0	.0	.0	.0	.0
320.	*	.6	.7	.9	.4	.4	.6	.6	.2	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
325.	*	.6	.7	.9	.3	.5	.8	.7	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
330.	*	.6	.7	.7	.3	.4	.9	.8	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
335.	*	.7	.8	.7	.3	.5	.9	.7	.1	.1	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
340.	*	.7	.8	.8	.5	.7	1.0	.8	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0	.0
345.	*	.7	.8	.7	.5	1.0	1.0	.7	.0	.1	.3	.7	.8	.6	.5	.0	.0	.0	.0	.0	.0
350.	*	.6	.8	.6	.6	1.0	1.0	.5	.0	.1	.2	.7	.7	.6	.5	.0	.0	.0	.0	.0	.0
355.	*	.7	.8	.7	.7	.9	1.0	.5	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0	.0
360.	*	.7	.8	.7	.6	.9	1.0	.4	.0	.0	.1	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
MAX	*	.8	.8	.9	.7	1.0	1.0	.8	1.2	1.3	1.4	1.0	.8	.8	.9	.9	.9	1.0	.8	.5	.5
DEGR.	*	5	0	295	235	345	0	330	270	230	220	145	245	225	220	175	175	135	130	105	100

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JOB: S19 Campus & US1 LRT2030PM

RUN: Campus & US1 LRT2030PM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION								
ANGLE *	(PPM)							
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.1	.1	.5	.3	.1	.1
5.	*	.0	.1	.1	.5	.3	.1	.2
10.	*	.0	.1	.2	.5	.3	.2	.2
15.	*	.0	.1	.2	.5	.2	.2	.2
20.	*	.0	.1	.2	.5	.2	.1	.2
25.	*	.0	.1	.3	.5	.3	.2	.1
30.	*	.0	.1	.3	.5	.6	.4	.1
35.	*	.0	.1	.3	.5	.5	.3	.3
40.	*	.0	.1	.4	.5	.6	.5	.3
45.	*	.0	.1	.4	.7	.4	.5	.7
50.	*	.0	.1	.4	.8	.4	.6	.7
55.	*	.0	.1	.6	.8	.2	.6	.7
60.	*	.0	.2	.6	.7	.3	.6	.7
65.	*	.0	.2	.6	.7	.3	.8	.6
70.	*	.1	.2	.6	.6	.4	.8	.5
75.	*	.1	.2	.5	.6	.5	.7	.5
80.	*	.2	.3	.4	.6	.5	.7	.5
85.	*	.2	.2	.6	.6	.5	.7	.5
90.	*	.1	.4	.5	.6	.5	.7	.5
95.	*	.1	.3	.5	.5	.6	.5	.4
100.	*	.3	.2	.4	.5	.5	.5	.4
105.	*	.3	.1	.2	.3	.5	.5	.4
110.	*	.3	.1	.1	.3	.5	.5	.4
115.	*	.4	.0	.1	.3	.5	.4	.4
120.	*	.3	.0	.2	.3	.4	.4	.4
125.	*	.2	.0	.2	.3	.5	.4	.4
130.	*	.2	.0	.1	.2	.5	.4	.4
135.	*	.2	.0	.1	.2	.4	.4	.4
140.	*	.2	.0	.2	.2	.4	.4	.4
145.	*	.2	.0	.2	.2	.4	.4	.4
150.	*	.3	.0	.2	.2	.4	.4	.4

155.	*	.2	.0	.2	.2	.4	.4	.4	.4
160.	*	.2	.0	.1	.2	.5	.4	.4	.4
165.	*	.2	.0	.1	.2	.3	.4	.4	.4
170.	*	.2	.0	.1	.2	.3	.4	.6	.4
175.	*	.2	.0	.1	.2	.3	.5	.6	.4
180.	*	.2	.0	.1	.1	.4	.5	.5	.3
185.	*	.1	.0	.0	.1	.3	.6	.5	.3
190.	*	.1	.0	.0	.1	.3	.6	.5	.3
195.	*	.1	.0	.0	.1	.3	.5	.4	.3
200.	*	.1	.0	.0	.0	.2	.4	.4	.3
205.	*	.1	.0	.0	.0	.1	.3	.4	.2

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JOB: S19 Campus & US1 LRT2030PM

RUN: Campus & US1 LRT2030PM

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WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION  
ANGLE \* (PPM)

(DEGR)\* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

210.	*	.1	.0	.0	.0	.1	.2	.2	.1
215.	*	.1	.0	.0	.0	.1	.2	.2	.1
220.	*	.1	.0	.0	.0	.0	.1	.1	.0
225.	*	.1	.0	.0	.0	.0	.1	.1	.0
230.	*	.1	.0	.0	.0	.0	.0	.1	.0
235.	*	.1	.0	.0	.0	.0	.0	.0	.0
240.	*	.1	.0	.0	.0	.0	.0	.0	.0
245.	*	.1	.0	.0	.0	.0	.0	.0	.0
250.	*	.1	.0	.0	.0	.0	.0	.0	.0
255.	*	.1	.1	.0	.2	.0	.0	.0	.0
260.	*	.1	.1	.0	.2	.0	.0	.0	.0
265.	*	.1	.1	.1	.2	.0	.0	.0	.0
270.	*	.0	.1	.1	.3	.1	.0	.0	.0
275.	*	.0	.1	.1	.3	.1	.0	.0	.0
280.	*	.0	.1	.1	.4	.1	.0	.0	.0
285.	*	.0	.1	.1	.4	.3	.0	.0	.0
290.	*	.0	.1	.1	.5	.3	.0	.0	.0
295.	*	.0	.1	.1	.5	.3	.0	.0	.0
300.	*	.0	.1	.1	.5	.3	.0	.0	.0
305.	*	.0	.1	.1	.5	.3	.0	.0	.0
310.	*	.0	.1	.1	.5	.4	.1	.0	.0
315.	*	.0	.1	.1	.5	.4	.1	.0	.0
320.	*	.0	.1	.1	.5	.3	.1	.0	.0
325.	*	.0	.1	.1	.5	.3	.1	.0	.0
330.	*	.0	.1	.1	.5	.3	.1	.0	.0
335.	*	.0	.1	.1	.5	.3	.1	.0	.0
340.	*	.0	.1	.1	.5	.3	.1	.1	.0
345.	*	.0	.1	.1	.5	.3	.1	.1	.0
350.	*	.0	.1	.1	.5	.3	.1	.1	.0
355.	*	.0	.1	.1	.5	.3	.1	.1	.0
360.	*	.0	.1	.1	.5	.3	.1	.1	.1

MAX	*	.4	.4	.6	.8	.6	.8	.7	.6
DEGR.	*	115	90	55	50	30	65	45	65

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 220 DEGREES FROM REC10.  
THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 230 DEGREES FROM REC9 .  
THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 270 DEGREES FROM REC8 .

S19 Campus & US1 BRT2030AM				60.0321.0.0000.000280.30480000				1	1			
SE MID S			1016.		704.		5.0					
SE 164 S			1052.		778.		5.0					
SE 82 S			1086.		852.		5.0					
SE CNR			1139.		918.		5.0					
SE 82 E			1218.		892.		5.0					
SE 164 E			1289.		850.		5.0					
SE MID E			1359.		807.		5.0					
NE MID E			1401.		916.		5.0					
NE 164 E			1330.		961.		5.0					
NE 82 E			1262.		1001.		5.0					
NE CNR			1190.		1057.		5.0					
NE 82 N			1215.		1145.		5.0					
NE 164 N			1248.		1219.		5.0					
NE MID N			1283.		1293.		5.0					
NW MID N			1179.		1327.		5.0					
NW 164 N			1142.		1254.		5.0					
NW 82 N			1105.		1181.		5.0					
NW CNR			1066.		1108.		5.0					
NW 82 W			983.		1094.		5.0					
NW 164 W			902.		1094.		5.0					
NW MID W			820.		1092.		5.0					
SW MID W			728.		960.		5.0					
SW 164 W			810.		963.		5.0					
SW 82 W			892.		969.		5.0					
SW CNR			977.		945.		5.0					
SW 82 S			959.		857.		5.0					
SW 164 S			924.		783.		5.0					
SW MID S			876.		716.		5.0					
Campus & US1 BRT2030AM				78				1	0			
0	1	US1nbAP	AG	655.	112.	798.	406.	1096	3.3	0	44	30.
0	1	US1nbAP	AG	798.	406.	942.	647.	1096	3.3	0	44	30.
0	1	US1nbAP	AG	942.	647.	1009.	772.	1096	3.3	0	44	30.
0	2	US1nbAP	AG	1008.	772.	1124.	1009.	779	3.3	0	44	30.
0	150	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24	2		
				83	6	779	32.1	1770	1	3		
0	2	US1nbL	AG	981.	776.	1092.	1003.	169	3.3	0	44	30.
0	150	US1nbLQ	AG	1051.	919.	996.	806.	0.	24	2		
				129	5	169	32.1	1717	1	3		
0	2	US1nbR	AG	1022.	756.	1118.	955.	148	3.3	0	32	30.
0	150	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12	1		
				83	6	148	32.1	1583	1	3		
0	1	US1nbD	AG	1125.	1010.	1325.	1430.	1327	3.3	0	44	30.
0	1	US1nbD	AG	1325.	1430.	1401.	1631.	1327	3.3	0	44	30.
0	1	US1nbD	AG	1401.	1631.	1488.	1926.	1327	3.3	0	44	30.
0	1	US1sbAP	AG	1443.	1894.	1339.	1601.	2721	3.3	0	44	30.
0	1	US1sbAP	AG	1339.	1601.	1279.	1462.	2721	3.3	0	44	30.
0	2	US1sbT	AG	1279.	1462.	1069.	1021.	1718	3.3	0	44	30.
0	150	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24	2		
				72	6	1718	32.1	1770	1	3		
0	2	US1sbL	AG	1299.	1450.	1090.	1015.	507	3.3	0	44	30.
0	150	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24	2		
				118	5	507	32.1	1717	1	3		
0	2	US1sbR	AG	1259.	1459.	1055.	1038.	496	3.3	0	32	30.
0	150	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12	1		
				72	6	496	32.1	1583	1	3		
0	1	US1sbD	AG	1068.	1020.	624.	131.	2467	3.3	0	44	30.
0	1	CMebA	AG	121.	788.	376.	896.	151	4.4	0	44	30.
0	1	CMebTL	AG	375.	897.	608.	964.	200	4.4	0	44	30.
0	1	CMebTL	AG	608.	964.	743.	984.	200	4.4	0	44	30.
0	2	CMebTL	AG	744.	982.	1049.	996.	200	4.4	0	44	30.
0	150	CMebTLQ	AG	993.	993.	754.	983.	0.	24	2		
				127	6	200	32.1	1726	1	3		
0	1	CMebR	AG	456.	912.	776.	925.	72	4.4	0	32	30.
0	1	CMebR	AG	776.	925.	866.	877.	72	4.4	0	32	30.
0	1	CMebR	AG	866.	877.	904.	809.	72	4.4	0	32	30.

0	1	CMebR	AG	904.	809.	909.	713.	72	4.4	0	32	30.
0	1	CMebD	AG	1046.	994.	1170.	944.	797	4.4	0	44	30.
0	1	CMebD	AG	1170.	944.	1373.	828.	797	4.4	0	44	30.
0	1	CMebD	AG	1373.	828.	1510.	701.	797	4.4	0	44	30.
0	1	CMebD	AG	1510.	701.	1597.	577.	797	4.4	0	44	30.
0	1	CMebD	AG	1597.	577.	1659.	437.	797	4.4	0	44	30.
0	1	CMebD	AG	1659.	437.	1699.	319.	797	4.4	0	44	30.
0	1	CMebD	AG	1699.	319.	1714.	179.	797	4.4	0	44	30.
0	1	CMwbA	AG	1736.	233.	1714.	361.	1659	4.4	0	44	30.
0	1	CMwbA	AG	1714.	361.	1641.	569.	1659	4.4	0	44	30.
0	1	CMwbA	AG	1641.	569.	1581.	691.	1659	4.4	0	44	30.
0	1	CMwbTL	AG	1569.	689.	1464.	803.	1169	4.4	0	56	30.
0	1	CMwbTL	AG	1464.	803.	1363.	886.	1169	4.4	0	56	30.
0	2	CMwbTL	AG	1363.	886.	1103.	1040.	1169	4.4	0	56	30.
0	150	CMwbTLQ	AG	1183.	992.	1357.	889.	0.	36	3		
0	1	CMwbR	AG	1581.	705.	1486.	813.	490	4.4	0	44	30.
0	1	CMwbR	AG	1486.	813.	1375.	908.	490	4.4	0	44	30.
0	2	CMwbR	AG	1375.	908.	1119.	1057.	490	4.4	0	44	30.
0	150	CMwbRQ	AG	1191.	1015.	1372.	910.	0.	24	2		
0	1	CMwbD	AG	1104.	1037.	957.	1069.	1157	4.4	0	44	30.
0	1	CMwbD	AG	957.	1069.	832.	1071.	1157	4.4	0	44	30.
0	1	CMwbD	AG	832.	1071.	672.	1030.	1157	4.4	0	44	30.
0	1	CMwbD2	AG	666.	1021.	295.	886.	398	4.4	0	32	30.
0	1	CMwbD2	AG	295.	886.	109.	808.	398	4.4	0	32	30.
0	1	BRTEb	AG	123.	782.	378.	891.	34	0.5	0	32	30.
0	1	BRTEb	AG	378.	891.	623.	962.	34	0.5	0	32	30.
0	1	BRTEb	AG	623.	962.	743.	978.	34	0.5	0	32	30.
0	2	BRTEb	AG	743.	978.	1045.	991.	34	0.5	0	32	30.
0	150	BRTEbQ	AG	994.	989.	754.	978.	0.	12	1		
0	1	BRTEbD	AG	1046.	990.	1170.	938.	34	0.5	0	32	30.
0	1	BRTEbD	AG	1170.	938.	1372.	822.	34	0.5	0	32	30.
0	1	BRTEbD	AG	1372.	822.	1504.	697.	34	0.5	0	32	30.
0	1	BRTEbD	AG	1504.	697.	1592.	573.	34	0.5	0	32	30.
0	1	BRTEbD	AG	1592.	573.	1655.	433.	34	0.5	0	32	30.
0	1	BRTEbD	AG	1655.	433.	1692.	315.	34	0.5	0	32	30.
0	1	BRTEbD	AG	1692.	315.	1703.	213.	34	0.5	0	32	30.
0	1	BRTwb	AG	1742.	243.	1722.	357.	34	0.5	0	32	30.
0	1	BRTwb	AG	1722.	357.	1649.	570.	34	0.5	0	32	30.
0	1	BRTwb	AG	1649.	570.	1589.	695.	34	0.5	0	32	30.
0	1	BRTwb	AG	1589.	695.	1492.	818.	34	0.5	0	32	30.
0	1	BRTwb	AG	1493.	818.	1378.	913.	34	0.5	0	32	30.
0	2	BRTwb	AG	1378.	913.	1121.	1060.	34	0.5	0	32	30.
0	150	BRTwbQ	AG	1193.	1019.	1372.	916.	0.	12	1		
0	1	BRTwbD	AG	1120.	1060.	952.	1077.	34	0.5	0	32	30.
0	1	BRTwbD	AG	952.	1077.	829.	1077.	34	0.5	0	32	30.

0		BRTwbD	AG	829.	1077.	668.	1030.	34	0.5	0	32	30.
0	1	BRTwbD	AG	668.	1030.	446.	944.	34	0.5	0	32	30.
0	1	BRTwbD	AG	446.	944.	243.	868.	34	0.5	0	32	30.
0	1	BRTwbD	AG	243.	868.	116.	814.	34	0.5	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S19 Campus & US1 BRT2030AM  
 DATE: 12/10/2007 TIME: 11:13:06.71

RUN: Campus & US1 BRT2030AM

# SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
			X1	Y1	X2	Y2								
1. 0	US1nbAP	*	655.0	112.0	798.0	406.0	*	327.	26. AG	1096.	3.3	.0	44.0	
2. 0	US1nbAP	*	798.0	406.0	942.0	647.0	*	281.	31. AG	1096.	3.3	.0	44.0	
3. 0	US1nbAP	*	942.0	647.0	1009.0	772.0	*	142.	28. AG	1096.	3.3	.0	44.0	
4. 0	US1nbAP	*	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	779.	3.3	.0	44.0	
5. 0	US1nbTQ	*	1075.0	909.0	997.9	750.2	*	177.	206. AG	95.	100.0	.0	24.0	.51 9.0
6. 0	US1nbL	*	981.0	776.0	1092.0	1003.0	*	253.	26. AG	169.	3.3	.0	44.0	
7. 0	US1nbLQ	*	1051.0	919.0	1025.1	865.7	*	59.	206. AG	148.	100.0	.0	24.0	.40 3.0
8. 0	US1nbR	*	1022.0	756.0	1118.0	955.0	*	221.	26. AG	148.	3.3	.0	32.0	
9. 0	US1nbRQ	*	1092.0	901.0	1062.8	840.5	*	67.	206. AG	48.	100.0	.0	12.0	.22 3.4
10. 0	US1nbD	*	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	1327.	3.3	.0	44.0	
11. 0	US1nbD	*	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	1327.	3.3	.0	44.0	
12. 0	US1nbD	*	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	1327.	3.3	.0	44.0	
13. 0	US1sbAP	*	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2721.	3.3	.0	44.0	
14. 0	US1sbAP	*	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2721.	3.3	.0	44.0	
15. 0	US1sbT	*	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1718.	3.3	.0	44.0	
16. 0	US1sbTQ	*	1111.0	1110.0	1297.0	1499.1	*	431.	26. AG	83.	100.0	.0	24.0	.97 21.9
17. 0	US1sbL	*	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	507.	3.3	.0	44.0	
18. 0	US1sbLQ	*	1130.0	1099.0	1203.2	1250.5	*	168.	26. AG	135.	100.0	.0	24.0	.75 8.5
19. 0	US1sbR	*	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	496.	3.3	.0	32.0	
20. 0	US1sbRQ	*	1094.0	1118.0	1179.2	1293.7	*	195.	26. AG	41.	100.0	.0	12.0	.62 9.9
21. 0	US1sbD	*	1068.0	1020.0	624.0	131.0	*	994.	207. AG	2467.	3.3	.0	44.0	
22. 0	CMebA	*	121.0	788.0	376.0	896.0	*	277.	67. AG	151.	4.4	.0	44.0	
23. 0	CMebTL	*	375.0	897.0	608.0	964.0	*	242.	74. AG	200.	4.4	.0	44.0	
24. 0	CMebTL	*	608.0	964.0	743.0	984.0	*	136.	82. AG	200.	4.4	.0	44.0	
25. 0	CMebTL	*	744.0	982.0	1049.0	996.0	*	305.	87. AG	200.	4.4	.0	44.0	
26. 0	CMebTLQ	*	993.0	993.0	923.6	990.1	*	69.	268. AG	146.	100.0	.0	24.0	.43 3.5
27. 0	CMebR	*	456.0	912.0	776.0	925.0	*	320.	88. AG	72.	4.4	.0	32.0	
28. 0	CMebR	*	776.0	925.0	866.0	877.0	*	102.	118. AG	72.	4.4	.0	32.0	
29. 0	CMebR	*	866.0	877.0	904.0	809.0	*	78.	151. AG	72.	4.4	.0	32.0	
30. 0	CMebR	*	904.0	809.0	909.0	713.0	*	96.	177. AG	72.	4.4	.0	32.0	
31. 0	CMebD	*	1046.0	994.0	1170.0	944.0	*	134.	112. AG	797.	4.4	.0	44.0	
32. 0	CMebD	*	1170.0	944.0	1373.0	828.0	*	234.	120. AG	797.	4.4	.0	44.0	
33. 0	CMebD	*	1373.0	828.0	1510.0	701.0	*	187.	133. AG	797.	4.4	.0	44.0	
34. 0	CMebD	*	1510.0	701.0	1597.0	577.0	*	151.	145. AG	797.	4.4	.0	44.0	
35. 0	CMebD	*	1597.0	577.0	1659.0	437.0	*	153.	156. AG	797.	4.4	.0	44.0	
36. 0	CMebD	*	1659.0	437.0	1699.0	319.0	*	125.	161. AG	797.	4.4	.0	44.0	
37. 0	CMebD	*	1699.0	319.0	1714.0	179.0	*	141.	174. AG	797.	4.4	.0	44.0	
38. 0	CMwbA	*	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1659.	4.4	.0	44.0	
39. 0	CMwbA	*	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1659.	4.4	.0	44.0	
40. 0	CMwbA	*	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1659.	4.4	.0	44.0	
41. 0	CMwbTL	*	1569.0	689.0	1464.0	803.0	*	155.	317. AG	1169.	4.4	.0	56.0	
42. 0	CMwbTL	*	1464.0	803.0	1363.0	886.0	*	131.	309. AG	1169.	4.4	.0	56.0	
43. 0	CMwbTL	*	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	1169.	4.4	.0	56.0	
44. 0	CMwbTLQ	*	1183.0	992.0	1452.3	832.6	*	313.	121. AG	191.	100.0	.0	36.0	.97 15.9

JOB: S19 Campus & US1 BRT2030AM  
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## LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
			X1	Y1	X2	Y2								
45. 0	CMwbR	*	1581.0	705.0	1486.0	813.0	*	144.	319. AG	490.	4.4	.0	44.0	
46. 0	CMwbR	*	1486.0	813.0	1375.0	908.0	*	146.	311. AG	490.	4.4	.0	44.0	
47. 0	CMwbR	*	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	490.	4.4	.0	44.0	
48. 0	CMwbRQ	*	1191.0	1015.0	1295.3	954.5	*	121.	120. AG	103.	100.0	.0	24.0	.46 6.1
49. 0	CMwbD	*	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	1157.	4.4	.0	44.0	
50. 0	CMwbD	*	957.0	1069.0	832.0	1071.0	*	125.	271. AG	1157.	4.4	.0	44.0	
51. 0	CMwbD	*	832.0	1071.0	672.0	1030.0	*	165.	256. AG	1157.	4.4	.0	44.0	
52. 0	CMwbD2	*	666.0	1021.0	295.0	886.0	*	395.	250. AG	398.	4.4	.0	32.0	
53. 0	CMwbD2	*	295.0	886.0	109.0	808.0	*	202.	247. AG	398.	4.4	.0	32.0	
54. 0	BRTeb	*	123.0	782.0	378.0	891.0	*	277.	67. AG	34.	.5	.0	32.0	
55. 0	BRTeb	*	378.0	891.0	623.0	962.0	*	255.	74. AG	34.	.5	.0	32.0	
56. 0	BRTeb	*	623.0	962.0	743.0	978.0	*	121.	82. AG	34.	.5	.0	32.0	
57. 0	BRTeb	*	743.0	978.0	1045.0	991.0	*	302.	88. AG	34.	.5	.0	32.0	
58. 0	BRTebQ	*	994.0	989.0	970.4	987.9	*	24.	267. AG	4.	100.0	.0	12.0	.15 1.2
59. 0	BRTebD	*	1046.0	990.0	1170.0	938.0	*	134.	113. AG	34.	.5	.0	32.0	
60. 0	BRTebD	*	1170.0	938.0	1372.0	822.0	*	233.	120. AG	34.	.5	.0	32.0	
61. 0	BRTebD	*	1372.0	822.0	1504.0	697.0	*	182.	133. AG	34.	.5	.0	32.0	
62. 0	BRTebD	*	1504.0	697.0	1592.0	573.0	*	152.	145. AG	34.	.5	.0	32.0	
63. 0	BRTebD	*	1592.0	573.0	1655.0	433.0	*	154.	156. AG	34.	.5	.0	32.0	
64. 0	BRTebD	*	1655.0	433.0	1692.0	315.0	*	124.	163. AG	34.	.5	.0	32.0	
65. 0	BRTebD	*	1692.0	315.0	1703.0	213.0	*	103.	174. AG	34.	.5	.0	32.0	
66. 0	BRTwb	*	1742.0	243.0	1722.0	357.0	*	116.	350. AG	34.	.5	.0	32.0	
67. 0	BRTwb	*	1722.0	357.0	1649.0	570.0	*	225.	341. AG	34.	.5	.0	32.0	
68. 0	BRTwb	*	1649.0	570.0	1589.0	695.0	*	139.	334. AG	34.	.5	.0	32.0	
69. 0	BRTwb	*	1589.0	695.0	1492.0	818.0	*	157.	322. AG	34.	.5	.0	32.0	



70.0	BRTwb	*	1493.0	818.0	1378.0	913.0	*	149.	310. AG	34.	.5	.0	32.0
71.0	BRTwb	*	1378.0	913.0	1121.0	1060.0	*	296.	300. AG	34.	.5	.0	32.0
72.0	BRTwbQ	*	1193.0	1019.0	1210.9	1008.7	*	21.	120. AG	4.	100.0	.0	12.0 .09 1.0
73.0	BRTwbD	*	1120.0	1060.0	952.0	1077.0	*	169.	276. AG	34.	.5	.0	32.0
74.0	BRTwbD	*	952.0	1077.0	829.0	1077.0	*	123.	270. AG	34.	.5	.0	32.0
75.0	BRTwbD	*	829.0	1077.0	668.0	1030.0	*	168.	254. AG	34.	.5	.0	32.0
76.0	BRTwbD	*	668.0	1030.0	446.0	944.0	*	238.	249. AG	34.	.5	.0	32.0
77.0	BRTwbD	*	446.0	944.0	243.0	868.0	*	217.	249. AG	34.	.5	.0	32.0
78.0	BRTwbD	*	243.0	868.0	116.0	814.0	*	138.	247. AG	34.	.5	.0	32.0

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
5.0	US1nbTQ	*	150	83	.6	779	1770	32.10	1 3
7.0	US1nbLQ	*	150	129	.5	169	1717	32.10	1 3
9.0	US1nbRQ	*	150	83	.6	148	1583	32.10	1 3
16.0	US1sbTQ	*	150	72	.6	1718	1770	32.10	1 3
18.0	US1sbLQ	*	150	118	.5	507	1717	32.10	1 3
20.0	US1sbRQ	*	150	72	.6	496	1583	32.10	1 3
26.0	CMebTLQ	*	150	127	.6	200	1726	32.10	1 3
44.0	CMwbTLQ	*	150	111	.6	1169	1646	32.10	1 3
48.0	CMwbRQ	*	150	90	.6	490	1394	32.10	1 3
58.0	BRTebQ	*	150	127	.6	34	1726	1.80	1 3
72.0	BRTwbQ	*	150	111	.6	34	1646	1.80	1 3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.4	.5	.5	.6	.9	.6	.6	.0	.0	.1	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0
5.	*	.5	.5	.6	.6	.6	.6	.5	.0	.0	.0	.4	.5	.4	.4	.0	.0	.0	.0	.0	.0
10.	*	.5	.6	.6	.6	.6	.5	.5	.0	.0	.0	.4	.4	.4	.5	.0	.0	.0	.0	.0	.0
15.	*	.4	.3	.6	.6	.6	.5	.5	.0	.0	.0	.4	.4	.3	.4	.0	.0	.1	.0	.0	.0
20.	*	.2	.2	.5	.5	.6	.5	.5	.0	.0	.0	.1	.3	.2	.2	.3	.3	.3	.2	.0	.0
25.	*	.1	.1	.1	.4	.6	.5	.5	.0	.0	.0	.1	.2	.2	.2	.5	.3	.4	.4	.0	.0
30.	*	.2	.1	.2	.4	.6	.5	.6	.0	.0	.0	.1	.1	.1	.1	.5	.3	.5	.6	.0	.0
35.	*	.1	.1	.2	.5	.6	.5	.6	.0	.0	.0	.1	.1	.1	.1	.5	.6	.6	.7	.1	.0
40.	*	.1	.1	.2	.5	.6	.5	.5	.0	.0	.0	.1	.1	.1	.1	.6	.6	.7	.7	.2	.0
45.	*	.1	.1	.3	.5	.6	.5	.5	.0	.0	.0	.1	.1	.1	.1	.6	.6	.8	.9	.2	.0
50.	*	.1	.1	.3	.5	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.7	.8	.9	.3	.1
55.	*	.1	.1	.4	.6	.6	.5	.5	.0	.0	.0	.0	.0	.0	.0	.5	.7	.8	.9	.3	.1

60.	*	.1	.1	.3	.6	.5	.5	.5	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.2
65.	*	.1	.1	.3	.6	.5	.5	.4	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
70.	*	.1	.1	.2	.6	.5	.5	.4	.0	.0	.0	.0	.0	.0	.6	.7	.9	.9	.3	.3
75.	*	.1	.1	.2	.6	.5	.5	.4	.0	.0	.0	.0	.0	.0	.6	.7	.9	.7	.3	.3
80.	*	.0	.1	.2	.6	.6	.5	.3	.0	.0	.0	.0	.0	.0	.6	.8	.9	.7	.3	.2
85.	*	.0	.1	.1	.5	.6	.5	.3	.0	.0	.0	.0	.0	.0	.6	.8	.9	.6	.2	.3
90.	*	.0	.0	.1	.5	.6	.5	.3	.0	.0	.0	.0	.0	.0	.6	.8	.9	.5	.2	.3
95.	*	.0	.0	.1	.5	.6	.4	.3	.0	.0	.0	.0	.0	.0	.6	.8	.9	.5	.1	.2
100.	*	.0	.0	.1	.4	.5	.4	.2	.0	.0	.0	.0	.0	.0	.6	.8	.9	.4	.3	.3
105.	*	.0	.0	.0	.3	.4	.3	.2	.0	.0	.0	.0	.0	.0	.6	.9	.9	.4	.4	.3
110.	*	.0	.0	.0	.2	.4	.3	.3	.0	.0	.1	.0	.0	.0	.6	.9	.9	.5	.4	.3
115.	*	.0	.0	.0	.2	.2	.3	.3	.0	.1	.2	.1	.0	.0	.6	.9	.9	.6	.5	.3
120.	*	.0	.0	.0	.2	.2	.2	.2	.0	.1	.4	.2	.0	.0	.6	.9	.9	.7	.6	.4
125.	*	.0	.0	.0	.0	.1	.2	.1	.1	.3	.4	.3	.0	.0	.6	.9	1.0	.7	.4	.5
130.	*	.0	.0	.0	.0	.1	.1	.1	.2	.4	.6	.6	.0	.0	.6	.9	1.0	.7	.4	.6
135.	*	.0	.0	.0	.0	.1	.0	.1	.2	.5	.7	.7	.1	.0	.6	1.0	1.0	.7	.4	.4
140.	*	.0	.0	.0	.0	.0	.0	.1	.5	.6	.8	.8	.1	.0	.6	1.0	1.1	.5	.3	.4
145.	*	.0	.0	.0	.0	.0	.0	.1	.5	.7	.8	.8	.1	.1	.0	.6	1.0	1.3	.4	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	.9	.8	.2	.1	.0	.8	1.0	1.2	.5	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.5	.7	1.0	.8	.3	.1	.0	.8	1.0	1.1	.4	.3
160.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.0	.8	.4	.1	.1	.8	1.0	1.0	.3	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.7	.4	.1	.1	.8	1.0	1.0	.4	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.7	.4	.1	.1	.9	1.0	.7	.4	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.7	.6	1.0	.6	.4	.1	.1	1.0	1.0	.6	.4	.3
180.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.5	.4	.1	.1	1.0	.9	.6	.5	.3
185.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	1.0	.5	.3	.2	.2	.9	.7	.6	.6	.3
190.	*	.0	.0	.0	.0	.0	.0	.0	.6	.6	.9	.4	.4	.2	.2	.8	.8	.5	.5	.4
195.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.0	.3	.3	.2	.2	.8	.7	.4	.3	.3
200.	*	.0	.0	.0	.0	.0	.0	.0	.6	.7	1.0	.3	.4	.3	.3	.7	.6	.4	.3	.2
205.	*	.0	.1	.2	.0	.0	.0	.0	.6	.7	1.0	.4	.3	.3	.4	.6	.5	.4	.3	.2

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WIND * CONCENTRATION																					
ANGLE * (PPM)																					
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.2	.2	.2	.2	.0	.0	.0	.6	.7	.9	.4	.4	.4	.4	.5	.4	.2	.3	.2	.2
215.	*	.2	.2	.2	.2	.0	.0	.0	.6	.7	1.0	.4	.3	.4	.5	.4	.2	.1	.3	.3	.2
220.	*	.2	.2	.4	.2	.1	.0	.0	.6	.7	1.0	.5	.3	.5	.7	.0	.0	.0	.3	.2	.2
225.	*	.3	.2	.4	.2	.1	.0	.0	.7	.8	1.0	.4	.3	.6	.6	.0	.0	.0	.2	.2	.2
230.	*	.3	.3	.4	.5	.1	.1	.0	.8	.8	1.1	.4	.5	.6	.6	.0	.0	.0	.2	.2	.2
235.	*	.2	.3	.5	.6	.1	.1	.0	.8	.7	1.1	.4	.5	.6	.6	.0	.0	.0	.2	.2	.3
240.	*	.2	.3	.5	.6	.2	.1	.0	.8	.8	1.0	.4	.4	.6	.5	.0	.0	.0	.1	.2	.3
245.	*	.2	.3	.5	.4	.2	.1	.1	.7	.8	1.0	.4	.5	.6	.5	.0	.0	.0	.1	.2	.3
250.	*	.2	.4	.5	.4	.2	.1	.1	.7	.8	1.0	.4	.6	.6	.5	.0	.0	.0	.1	.1	.3
255.	*	.2	.4	.5	.4	.2	.1	.1	.8	.8	.9	.5	.6	.6	.5	.0	.0	.0	.2	.1	.3
260.	*	.2	.4	.5	.4	.2	.1	.0	.8	.9	.9	.5	.6	.6	.4	.0	.0	.0	.1	.1	.2
265.	*	.2	.3	.5	.4	.3	.2	.0	.7	.9	.8	.4	.5	.6	.4	.0	.0	.0	.0	.1	.2
270.	*	.2	.3	.6	.4	.3	.2	.0	.7	.8	.7	.3	.5	.5	.3	.0	.0	.0	.0	.1	.2
275.	*	.2	.4	.6	.3	.2	.1	.0	.7	.8	.6	.3	.5	.5	.3	.0	.0	.0	.0	.1	.1
280.	*	.2	.4	.6	.3	.1	.1	.0	.7	.8	.5	.3	.5	.5	.3	.0	.0	.0	.0	.1	.1
285.	*	.2	.4	.6	.3	.1	.2	.0	.7	.7	.5	.2	.5	.5	.3	.0	.0	.0	.0	.0	.0
290.	*	.2	.4	.7	.3	.2	.2	.1	.6	.6	.4	.2	.5	.6	.4	.0	.0	.0	.0	.0	.0
295.	*	.2	.4	.7	.3	.2	.1	.1	.5	.5	.3	.3	.6	.6	.4	.0	.0	.0	.0	.0	.0
300.	*	.2	.4	.7	.4	.3	.1	.2	.5	.5	.2	.3	.6	.5	.4	.0	.0	.0	.0	.0	.0
305.	*	.2	.4	.7	.3	.2	.2	.3	.4	.2	.5	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
310.	*	.2	.4	.8	.3	.2	.3	.4	.3	.2	.3	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
315.	*	.2	.4	.8	.3	.2	.4	.5	.0	.1	.2	.4	.5	.4	.3	.0	.0	.0	.0	.0	.0
320.	*	.2	.4	.8	.4	.2	.5	.7	.0	.1	.4	.5	.5	.3	.3	.0	.0	.0	.0	.0	.0
325.	*	.3	.4	.8	.4	.3	.6	.7	.0	.1	.4	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0
330.	*	.3	.4	.6	.3	.3	.7	.6	.0	.1	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
335.	*	.3	.5	.6	.3	.4	.6	.6	.0	.1	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
340.	*	.3	.5	.6	.2	.6	.7	.5	.0	.0	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
345.	*	.3	.5	.5	.3	.9	.6	.5	.0	.0	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
350.	*	.4	.5	.4	.5	1.0	.6	.5	.0	.0	.4	.5	.6	.4	.4	.0	.0	.0	.0	.0	.0
355.	*	.4	.5	.5	.6	1.0	.6	.5	.0	.0	.2	.5	.5	.4	.5	.0	.0	.0	.0	.0	.0
360.	*	.4	.5	.5	.6	.9	.6	.6	.0	.0	.1	.4	.5	.4	.5	.0	.0	.0	.0	.0	.0
MAX	*	.5	.6	.8	.6	1.0	.7	.7	.8	.9	1.1	.8	.6	.6	.7	1.0	1.0	1.3	.9	.6	.6
DEGR.	*	5	10	310	0	350	330	320	230	260	230	140	250	225	220	175	135	145	45	120	130

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JOB: S19 Campus & US1 BRT2030AM

RUN: Campus & US1 BRT2030AM

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# MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE * (PPM)									
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	
0.	*	.0	.1	.1	.1	.2	.1	.1	.0
5.	*	.0	.1	.0	.1	.3	.2	.1	.0
10.	*	.0	.1	.0	.1	.3	.2	.1	.0
15.	*	.0	.1	.0	.1	.3	.2	.2	.1

20.	*	.0	.1	.0	.1	.3	.3	.2	.1
25.	*	.0	.1	.1	.1	.4	.4	.3	.1
30.	*	.0	.1	.1	.0	.5	.5	.4	.2
35.	*	.0	.1	.1	.1	.6	.4	.5	.2
40.	*	.0	.1	.1	.3	.6	.6	.5	.4
45.	*	.0	.0	.1	.3	.5	.5	.6	.4
50.	*	.0	.0	.0	.6	.4	.5	.7	.5
55.	*	.0	.0	.0	.5	.4	.5	.7	.5
60.	*	.0	.0	.0	.5	.2	.6	.6	.5
65.	*	.0	.0	.1	.4	.2	.7	.5	.5
70.	*	.0	.0	.1	.3	.4	.7	.5	.5
75.	*	.1	.0	.1	.4	.5	.6	.5	.4
80.	*	.1	.0	.2	.4	.5	.6	.5	.2
85.	*	.1	.1	.3	.4	.4	.6	.5	.2
90.	*	.1	.1	.3	.4	.5	.6	.4	.3
95.	*	.2	.1	.3	.3	.4	.6	.4	.3
100.	*	.3	.2	.2	.3	.4	.5	.4	.3
105.	*	.3	.1	.2	.2	.4	.4	.4	.3
110.	*	.3	.1	.1	.3	.5	.4	.4	.3
115.	*	.4	.1	.1	.2	.5	.4	.5	.2
120.	*	.4	.1	.1	.3	.4	.4	.4	.2
125.	*	.4	.1	.1	.3	.4	.4	.4	.2
130.	*	.3	.1	.1	.2	.5	.4	.4	.2
135.	*	.4	.1	.1	.2	.4	.4	.4	.2
140.	*	.3	.1	.1	.2	.4	.4	.4	.2
145.	*	.3	.1	.1	.2	.4	.4	.4	.2
150.	*	.3	.1	.1	.1	.4	.4	.4	.2
155.	*	.3	.1	.1	.1	.4	.4	.4	.2
160.	*	.3	.1	.1	.1	.4	.4	.4	.4
165.	*	.2	.1	.1	.1	.3	.4	.3	.4
170.	*	.2	.1	.1	.1	.3	.3	.4	.4
175.	*	.2	.1	.1	.1	.3	.4	.4	.4
180.	*	.3	.1	.1	.1	.2	.4	.4	.4
185.	*	.3	.0	.1	.1	.2	.4	.4	.4
190.	*	.2	.0	.1	.1	.2	.4	.4	.3
195.	*	.2	.0	.0	.1	.2	.4	.5	.3
200.	*	.2	.0	.0	.1	.2	.4	.4	.3
205.	*	.2	.0	.0	.0	.2	.4	.4	.2

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JOB: S19 Campus & US1 BRT2030AM

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION								
ANGLE	*	(PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.2	.0	.0	.0	.1	.3	.3	.2
215.	*	.2	.0	.0	.0	.1	.2	.3	.1
220.	*	.2	.0	.0	.0	.0	.2	.2	.1
225.	*	.2	.0	.0	.0	.0	.1	.1	.0
230.	*	.2	.0	.0	.0	.0	.1	.1	.0
235.	*	.2	.0	.0	.0	.0	.0	.1	.0
240.	*	.2	.0	.0	.0	.0	.0	.0	.0
245.	*	.2	.0	.0	.0	.0	.0	.0	.0
250.	*	.2	.0	.0	.0	.0	.0	.0	.0
255.	*	.2	.0	.0	.0	.0	.0	.0	.0
260.	*	.1	.0	.0	.0	.0	.0	.0	.0
265.	*	.1	.0	.0	.0	.0	.0	.0	.0
270.	*	.1	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.1	.1	.0	.0	.0
300.	*	.0	.0	.0	.1	.1	.0	.0	.0
305.	*	.0	.0	.1	.1	.1	.0	.0	.0
310.	*	.0	.0	.1	.1	.2	.0	.0	.0
315.	*	.0	.0	.1	.1	.2	.0	.0	.0
320.	*	.0	.0	.1	.0	.2	.0	.0	.0
325.	*	.0	.0	.1	.0	.3	.0	.0	.0
330.	*	.0	.1	.1	.0	.3	.0	.0	.0
335.	*	.0	.1	.1	.0	.3	.0	.0	.0
340.	*	.0	.1	.1	.1	.3	.1	.0	.0
345.	*	.0	.1	.1	.1	.3	.1	.0	.0
350.	*	.0	.1	.1	.1	.3	.1	.0	.0
355.	*	.0	.1	.1	.1	.2	.1	.0	.0
360.	*	.0	.1	.1	.1	.2	.1	.1	.0
MAX	*	.4	.2	.3	.6	.6	.7	.7	.5
DEGR.	*	115	100	85	50	35	65	50	50

THE HIGHEST CONCENTRATION IS 1.30 PPM AT 145 DEGREES FROM REC17.  
 THE 2ND HIGHEST CONCENTRATION IS 1.10 PPM AT 230 DEGREES FROM REC10.  
 THE 3RD HIGHEST CONCENTRATION IS 1.00 PPM AT 350 DEGREES FROM REC5 .

S19 Campus & US1 BRT2030PM				60.0321.0.0000.000280.30480000	1	1					
SE MID S	1016.	704.	5.0								
SE 164 S	1052.	778.	5.0								
SE 82 S	1086.	852.	5.0								
SE CNR	1139.	918.	5.0								
SE 82 E	1218.	892.	5.0								
SE 164 E	1289.	850.	5.0								
SE MID E	1359.	807.	5.0								
NE MID E	1401.	916.	5.0								
NE 164 E	1330.	961.	5.0								
NE 82 E	1262.	1001.	5.0								
NE CNR	1190.	1057.	5.0								
NE 82 N	1215.	1145.	5.0								
NE 164 N	1248.	1219.	5.0								
NE MID N	1283.	1293.	5.0								
NW MID N	1179.	1327.	5.0								
NW 164 N	1142.	1254.	5.0								
NW 82 N	1105.	1181.	5.0								
NW CNR	1066.	1108.	5.0								
NW 82 W	983.	1094.	5.0								
NW 164 W	902.	1094.	5.0								
NW MID W	820.	1092.	5.0								
SW MID W	728.	960.	5.0								
SW 164 W	810.	963.	5.0								
SW 82 W	892.	969.	5.0								
SW CNR	977.	945.	5.0								
SW 82 S	959.	857.	5.0								
SW 164 S	924.	783.	5.0								
SW MID S	876.	716.	5.0								
Campus & US1 BRT2030PM		78	1	0							
1											
0	US1nbAP	AG	655.	112.	798.	406.	2135	3.4	0	44	30.
1											
0	US1nbAP	AG	798.	406.	942.	647.	2135	3.4	0	44	30.
1											
0	US1nbAP	AG	942.	647.	1009.	772.	2135	3.4	0	44	30.
1											
0	US1nbAP	AG	1008.	772.	1124.	1009.	1466	3.4	0	44	30.
2											
0	US1nbTQ	AG	1075.	909.	1026.	808.	0.	24	2		
150		82	6	1466	32.1	1770	1	3			
1											
0	US1nbL	AG	981.	776.	1092.	1003.	162	3.4	0	44	30.
2											
0	US1nbLQ	AG	1051.	919.	996.	806.	0.	24	2		
150		131	5	162	32.1	1717	1	3			
1											
0	US1nbR	AG	1022.	756.	1118.	955.	507	3.4	0	32	30.
2											
0	US1nbRQ	AG	1092.	901.	1036.	785.	0.	12	1		
150		82	6	507	32.1	1583	1	3			
1											
0	US1nbD	AG	1125.	1010.	1325.	1430.	2571	3.4	0	44	30.
1											
0	US1nbD	AG	1325.	1430.	1401.	1631.	2571	3.4	0	44	30.
1											
0	US1nbD	AG	1401.	1631.	1488.	1926.	2571	3.4	0	44	30.
1											
0	US1sbAP	AG	1443.	1894.	1339.	1601.	2037	3.4	0	44	30.
1											
0	US1sbAP	AG	1339.	1601.	1279.	1462.	2037	3.4	0	44	30.
1											
0	US1sbT	AG	1279.	1462.	1069.	1021.	1280	3.4	0	44	30.
2											
0	US1sbTQ	AG	1111.	1110.	1241.	1382.	0.	24	2		
150		71	6	1280	32.1	1770	1	3			
1											
0	US1sbL	AG	1299.	1450.	1090.	1015.	470	3.4	0	44	30.
2											
0	US1sbLQ	AG	1130.	1099.	1261.	1370.	0.	24	2		
150		120	5	470	32.1	1717	1	3			
1											
0	US1sbR	AG	1259.	1459.	1055.	1038.	287	3.4	0	32	30.
2											
0	US1sbRQ	AG	1094.	1118.	1223.	1384.	0.	12	1		
150		71	6	287	32.1	1583	1	3			
1											
0	US1sbD	AG	1068.	1020.	624.	131.	1756	3.4	0	44	30.
1											
0	CMebA	AG	121.	788.	376.	896.	393	4.4	0	44	30.
1											
0	CMebTL	AG	375.	897.	608.	964.	566	4.4	0	44	30.
1											
0	CMebTL	AG	608.	964.	743.	984.	566	4.4	0	44	30.
1											
0	CMebTL	AG	744.	982.	1049.	996.	566	4.4	0	44	30.
2											
0	CMebTLQ	AG	993.	993.	754.	983.	0.	24	2		
150		110	6	566	32.1	1726	1	3			
1											
0	CMebR	AG	456.	912.	776.	925.	142	4.4	0	32	30.
1											
0	CMebR	AG	776.	925.	866.	877.	142	4.4	0	32	30.
1											
0	CMebR	AG	866.	877.	904.	809.	142	4.4	0	32	30.

0	1	CMebR	AG	904.	809.	909.	713.	142	4.4	0	32	30.
0	1	CMebD	AG	1046.	994.	1170.	944.	1289	4.4	0	44	30.
0	1	CMebD	AG	1170.	944.	1373.	828.	1289	4.4	0	44	30.
0	1	CMebD	AG	1373.	828.	1510.	701.	1289	4.4	0	44	30.
0	1	CMebD	AG	1510.	701.	1597.	577.	1289	4.4	0	44	30.
0	1	CMebD	AG	1597.	577.	1659.	437.	1289	4.4	0	44	30.
0	1	CMebD	AG	1659.	437.	1699.	319.	1289	4.4	0	44	30.
0	1	CMebD	AG	1699.	319.	1714.	179.	1289	4.4	0	44	30.
0	1	CMwbA	AG	1736.	233.	1714.	361.	1417	4.4	0	44	30.
0	1	CMwbA	AG	1714.	361.	1641.	569.	1417	4.4	0	44	30.
0	1	CMwbA	AG	1641.	569.	1581.	691.	1417	4.4	0	44	30.
0	1	CMwbTL	AG	1569.	689.	1464.	803.	566	4.4	0	56	30.
0	1	CMwbTL	AG	1464.	803.	1363.	886.	566	4.4	0	56	30.
0	2	CMwbTL	AG	1363.	886.	1103.	1040.	566	4.4	0	56	30.
0	150	CMwbTLQ	AG	1183.	992.	1357.	889.	0.	36	3		
0	1	CMwbR	AG	1581.	705.	1486.	813.	851	4.4	0	44	30.
0	1	CMwbR	AG	1486.	813.	1375.	908.	851	4.4	0	44	30.
0	2	CMwbR	AG	1375.	908.	1119.	1057.	851	4.4	0	44	30.
0	150	CMwbRQ	AG	1191.	1015.	1372.	910.	0.	24	2		
0	1	CMwbD	AG	1104.	1037.	957.	1069.	681	4.4	0	44	30.
0	1	CMwbD	AG	957.	1069.	832.	1071.	681	4.4	0	44	30.
0	1	CMwbD	AG	832.	1071.	672.	1030.	681	4.4	0	44	30.
0	1	CMwbD2	AG	666.	1021.	295.	886.	358	4.4	0	32	30.
0	1	CMwbD2	AG	295.	886.	109.	808.	358	4.4	0	32	30.
0	1	BRTEb	AG	123.	782.	378.	891.	34	0.6	0	32	30.
0	1	BRTEb	AG	378.	891.	623.	962.	34	0.6	0	32	30.
0	1	BRTEb	AG	623.	962.	743.	978.	34	0.6	0	32	30.
0	2	BRTEb	AG	743.	978.	1045.	991.	34	0.6	0	32	30.
0	150	BRTEbQ	AG	994.	989.	754.	978.	0.	12	1		
0	1	BRTEbD	AG	1046.	990.	1170.	938.	34	0.6	0	32	30.
0	1	BRTEbD	AG	1170.	938.	1372.	822.	34	0.6	0	32	30.
0	1	BRTEbD	AG	1372.	822.	1504.	697.	34	0.6	0	32	30.
0	1	BRTEbD	AG	1504.	697.	1592.	573.	34	0.6	0	32	30.
0	1	BRTEbD	AG	1592.	573.	1655.	433.	34	0.6	0	32	30.
0	1	BRTEbD	AG	1655.	433.	1692.	315.	34	0.6	0	32	30.
0	1	BRTEbD	AG	1692.	315.	1703.	213.	34	0.6	0	32	30.
0	1	BRTwb	AG	1742.	243.	1722.	357.	34	0.6	0	32	30.
0	1	BRTwb	AG	1722.	357.	1649.	570.	34	0.6	0	32	30.
0	1	BRTwb	AG	1649.	570.	1589.	695.	34	0.6	0	32	30.
0	1	BRTwb	AG	1589.	695.	1492.	818.	34	0.6	0	32	30.
0	1	BRTwb	AG	1493.	818.	1378.	913.	34	0.6	0	32	30.
0	2	BRTwb	AG	1378.	913.	1121.	1060.	34	0.6	0	32	30.
0	150	BRTwbQ	AG	1193.	1019.	1372.	916.	0.	12	1		
0	1	BRTwbD	AG	1120.	1060.	952.	1077.	34	0.6	0	32	30.
0	1	BRTwbD	AG	952.	1077.	829.	1077.	34	0.6	0	32	30.

0		BRTwbD	AG	829.	1077.	668.	1030.	34	0.6	0	32	30.
0	1	BRTwbD	AG	668.	1030.	446.	944.	34	0.6	0	32	30.
0	1	BRTwbD	AG	446.	944.	243.	868.	34	0.6	0	32	30.
0	1	BRTwbD	AG	243.	868.	116.	814.	34	0.6	0	32	30.
1.0	04	1000	0Y	5	0	72						

JOB: S19 Campus & US1 BRT2030PM  
 DATE: 12/10/2007 TIME: 11:16:58.17

RUN: Campus & US1 BRT2030PM

# SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	US1nbAP	655.0	112.0	798.0	406.0	*	327.	26. AG	2135.	3.4	.0	44.0	
2. 0	US1nbAP	798.0	406.0	942.0	647.0	*	281.	31. AG	2135.	3.4	.0	44.0	
3. 0	US1nbAP	942.0	647.0	1009.0	772.0	*	142.	28. AG	2135.	3.4	.0	44.0	
4. 0	US1nbAP	1008.0	772.0	1124.0	1009.0	*	264.	26. AG	1466.	3.4	.0	44.0	
5. 0	US1nbTQ	1075.0	909.0	899.8	547.8	*	401.	206. AG	94. 100.0	.0	24.0	.95	20.4
6. 0	US1nbL	981.0	776.0	1092.0	1003.0	*	253.	26. AG	162.	3.4	.0	44.0	
7. 0	US1nbLQ	1051.0	919.0	1025.6	866.8	*	58.	206. AG	150. 100.0	.0	24.0	.43	2.9
8. 0	US1nbR	1022.0	756.0	1118.0	955.0	*	221.	26. AG	507.	3.4	.0	32.0	
9. 0	US1nbRQ	1092.0	901.0	993.2	696.3	*	227.	206. AG	47. 100.0	.0	12.0	.73	11.5
10. 0	US1nbD	1125.0	1010.0	1325.0	1430.0	*	465.	25. AG	2571.	3.4	.0	44.0	
11. 0	US1nbD	1325.0	1430.0	1401.0	1631.0	*	215.	21. AG	2571.	3.4	.0	44.0	
12. 0	US1nbD	1401.0	1631.0	1488.0	1926.0	*	308.	16. AG	2571.	3.4	.0	44.0	
13. 0	US1sbAP	1443.0	1894.0	1339.0	1601.0	*	311.	200. AG	2037.	3.4	.0	44.0	
14. 0	US1sbAP	1339.0	1601.0	1279.0	1462.0	*	151.	203. AG	2037.	3.4	.0	44.0	
15. 0	US1sbT	1279.0	1462.0	1069.0	1021.0	*	488.	205. AG	1280.	3.4	.0	44.0	
16. 0	US1sbTQ	1111.0	1110.0	1218.1	1334.2	*	248.	26. AG	82. 100.0	.0	24.0	.71	12.6
17. 0	US1sbL	1299.0	1450.0	1090.0	1015.0	*	483.	206. AG	470.	3.4	.0	44.0	
18. 0	US1sbLQ	1130.0	1099.0	1199.5	1242.7	*	160.	26. AG	138. 100.0	.0	24.0	.75	8.1
19. 0	US1sbR	1259.0	1459.0	1055.0	1038.0	*	468.	206. AG	287.	3.4	.0	32.0	
20. 0	US1sbRQ	1094.0	1118.0	1142.6	1218.3	*	111.	26. AG	41. 100.0	.0	12.0	.36	5.7
21. 0	US1sbD	1068.0	1020.0	624.0	131.0	*	994.	207. AG	1756.	3.4	.0	44.0	
22. 0	CMebA	121.0	788.0	376.0	896.0	*	277.	67. AG	393.	4.4	.0	44.0	
23. 0	CMebTL	375.0	897.0	608.0	964.0	*	242.	74. AG	566.	4.4	.0	44.0	
24. 0	CMebTL	608.0	964.0	743.0	984.0	*	136.	82. AG	566.	4.4	.0	44.0	
25. 0	CMebTL	744.0	982.0	1049.0	996.0	*	305.	87. AG	566.	4.4	.0	44.0	
26. 0	CMebTLQ	993.0	993.0	822.9	985.9	*	170.	268. AG	126. 100.0	.0	24.0	.66	8.6
27. 0	CMebR	456.0	912.0	776.0	925.0	*	320.	88. AG	142.	4.4	.0	32.0	
28. 0	CMebR	776.0	925.0	866.0	877.0	*	102.	118. AG	142.	4.4	.0	32.0	
29. 0	CMebR	866.0	877.0	904.0	809.0	*	78.	151. AG	142.	4.4	.0	32.0	
30. 0	CMebR	904.0	809.0	909.0	713.0	*	96.	177. AG	142.	4.4	.0	32.0	
31. 0	CMebD	1046.0	994.0	1170.0	944.0	*	134.	112. AG	1289.	4.4	.0	44.0	
32. 0	CMebD	1170.0	944.0	1373.0	828.0	*	234.	120. AG	1289.	4.4	.0	44.0	
33. 0	CMebD	1373.0	828.0	1510.0	701.0	*	187.	133. AG	1289.	4.4	.0	44.0	
34. 0	CMebD	1510.0	701.0	1597.0	577.0	*	151.	145. AG	1289.	4.4	.0	44.0	
35. 0	CMebD	1597.0	577.0	1659.0	437.0	*	153.	156. AG	1289.	4.4	.0	44.0	
36. 0	CMebD	1659.0	437.0	1699.0	319.0	*	125.	161. AG	1289.	4.4	.0	44.0	
37. 0	CMebD	1699.0	319.0	1714.0	179.0	*	141.	174. AG	1289.	4.4	.0	44.0	
38. 0	CMwbA	1736.0	233.0	1714.0	361.0	*	130.	350. AG	1417.	4.4	.0	44.0	
39. 0	CMwbA	1714.0	361.0	1641.0	569.0	*	220.	341. AG	1417.	4.4	.0	44.0	
40. 0	CMwbA	1641.0	569.0	1581.0	691.0	*	136.	334. AG	1417.	4.4	.0	44.0	
41. 0	CMwbTL	1569.0	689.0	1464.0	803.0	*	155.	317. AG	566.	4.4	.0	56.0	
42. 0	CMwbTL	1464.0	803.0	1363.0	886.0	*	131.	309. AG	566.	4.4	.0	56.0	
43. 0	CMwbTL	1363.0	886.0	1103.0	1040.0	*	302.	301. AG	566.	4.4	.0	56.0	
44. 0	CMwbTLQ	1183.0	992.0	1321.0	910.3	*	160.	121. AG	220. 100.0	.0	36.0	.89	8.1

JOB: S19 Campus & US1 BRT2030PM  
 DATE: 12/10/2007 TIME: 11:16:58.17

RUN: Campus & US1 BRT2030PM

## LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
45. 0	CMwbR	1581.0	705.0	1486.0	813.0	*	144.	319. AG	851.	4.4	.0	44.0	
46. 0	CMwbR	1486.0	813.0	1375.0	908.0	*	146.	311. AG	851.	4.4	.0	44.0	
47. 0	CMwbR	1375.0	908.0	1119.0	1057.0	*	296.	300. AG	851.	4.4	.0	44.0	
48. 0	CMwbRQ	1191.0	1015.0	2092.1	492.3	*	1042.	120. AG	125. 100.0	.0	24.0	1.19	52.9
49. 0	CMwbD	1104.0	1037.0	957.0	1069.0	*	150.	282. AG	681.	4.4	.0	44.0	
50. 0	CMwbD	957.0	1069.0	832.0	1071.0	*	125.	271. AG	681.	4.4	.0	44.0	
51. 0	CMwbD	832.0	1071.0	672.0	1030.0	*	165.	256. AG	681.	4.4	.0	44.0	
52. 0	CMwbD2	666.0	1021.0	295.0	886.0	*	395.	250. AG	358.	4.4	.0	32.0	
53. 0	CMwbD2	295.0	886.0	109.0	808.0	*	202.	247. AG	358.	4.4	.0	32.0	
54. 0	BRTeb	123.0	782.0	378.0	891.0	*	277.	67. AG	34.	.6	.0	32.0	
55. 0	BRTeb	378.0	891.0	623.0	962.0	*	255.	74. AG	34.	.6	.0	32.0	
56. 0	BRTeb	623.0	962.0	743.0	978.0	*	121.	82. AG	34.	.6	.0	32.0	
57. 0	BRTeb	743.0	978.0	1045.0	991.0	*	302.	88. AG	34.	.6	.0	32.0	
58. 0	BRTebQ	994.0	989.0	973.6	988.1	*	20.	267. AG	4. 100.0	.0	12.0	.08	1.0
59. 0	BRTebD	1046.0	990.0	1170.0	938.0	*	134.	113. AG	34.	.6	.0	32.0	
60. 0	BRTebD	1170.0	938.0	1372.0	822.0	*	233.	120. AG	34.	.6	.0	32.0	
61. 0	BRTebD	1372.0	822.0	1504.0	697.0	*	182.	133. AG	34.	.6	.0	32.0	
62. 0	BRTebD	1504.0	697.0	1592.0	573.0	*	152.	145. AG	34.	.6	.0	32.0	
63. 0	BRTebD	1592.0	573.0	1655.0	433.0	*	154.	156. AG	34.	.6	.0	32.0	
64. 0	BRTebD	1655.0	433.0	1692.0	315.0	*	124.	163. AG	34.	.6	.0	32.0	
65. 0	BRTebD	1692.0	315.0	1703.0	213.0	*	103.	174. AG	34.	.6	.0	32.0	
66. 0	BRTwb	1742.0	243.0	1722.0	357.0	*	116.	350. AG	34.	.6	.0	32.0	
67. 0	BRTwb	1722.0	357.0	1649.0	570.0	*	225.	341. AG	34.	.6	.0	32.0	
68. 0	BRTwb	1649.0	570.0	1589.0	695.0	*	139.	334. AG	34.	.6	.0	32.0	
69. 0	BRTwb	1589.0	695.0	1492.0	818.0	*	157.	322. AG	34.	.6	.0	32.0	

70.0	BRTwb	*	1493.0	818.0	1378.0	913.0	*	149.	310. AG	34.	.6	.0	32.0
71.0	BRTwb	*	1378.0	913.0	1121.0	1060.0	*	296.	300. AG	34.	.6	.0	32.0
72.0	BRTwbQ	*	1193.0	1019.0	1213.6	1007.1	*	24.	120. AG	4.	100.0	.0	12.0
73.0	BRTwbD	*	1120.0	1060.0	952.0	1077.0	*	169.	276. AG	34.	.6	.0	32.0
74.0	BRTwbD	*	952.0	1077.0	829.0	1077.0	*	123.	270. AG	34.	.6	.0	32.0
75.0	BRTwbD	*	829.0	1077.0	668.0	1030.0	*	168.	254. AG	34.	.6	.0	32.0
76.0	BRTwbD	*	668.0	1030.0	446.0	944.0	*	238.	249. AG	34.	.6	.0	32.0
77.0	BRTwbD	*	446.0	944.0	243.0	868.0	*	217.	249. AG	34.	.6	.0	32.0
78.0	BRTwbD	*	243.0	868.0	116.0	814.0	*	138.	247. AG	34.	.6	.0	32.0

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JOB: S19 Campus & US1 BRT2030PM  
DATE: 12/10/2007 TIME: 11:16:58.17

RUN: Campus & US1 BRT2030PM

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#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
5.0	US1nbTQ	*	150	82	.6	1466	1770	32.10	1 3
7.0	US1nbLQ	*	150	131	.5	162	1717	32.10	1 3
9.0	US1nbRQ	*	150	82	.6	507	1583	32.10	1 3
16.0	US1sbTQ	*	150	71	.6	1280	1770	32.10	1 3
18.0	US1sbLQ	*	150	120	.5	470	1717	32.10	1 3
20.0	US1sbRQ	*	150	71	.6	287	1583	32.10	1 3
26.0	CMebTLQ	*	150	110	.6	566	1726	32.10	1 3
44.0	CMwbTLQ	*	150	128	.6	566	1645	32.10	1 3
48.0	CMwbRQ	*	150	109	.6	851	1394	32.10	1 3
58.0	BRTebQ	*	150	110	.6	34	1726	1.80	1 3
72.0	BRTwbQ	*	150	128	.6	34	1645	1.80	1 3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SE MID S	*	1016.0	704.0	5.0	*
2. SE 164 S	*	1052.0	778.0	5.0	*
3. SE 82 S	*	1086.0	852.0	5.0	*
4. SE CNR	*	1139.0	918.0	5.0	*
5. SE 82 E	*	1218.0	892.0	5.0	*
6. SE 164 E	*	1289.0	850.0	5.0	*
7. SE MID E	*	1359.0	807.0	5.0	*
8. NE MID E	*	1401.0	916.0	5.0	*
9. NE 164 E	*	1330.0	961.0	5.0	*
10. NE 82 E	*	1262.0	1001.0	5.0	*
11. NE CNR	*	1190.0	1057.0	5.0	*
12. NE 82 N	*	1215.0	1145.0	5.0	*
13. NE 164 N	*	1248.0	1219.0	5.0	*
14. NE MID N	*	1283.0	1293.0	5.0	*
15. NW MID N	*	1179.0	1327.0	5.0	*
16. NW 164 N	*	1142.0	1254.0	5.0	*
17. NW 82 N	*	1105.0	1181.0	5.0	*
18. NW CNR	*	1066.0	1108.0	5.0	*
19. NW 82 W	*	983.0	1094.0	5.0	*
20. NW 164 W	*	902.0	1094.0	5.0	*
21. NW MID W	*	820.0	1092.0	5.0	*
22. SW MID W	*	728.0	960.0	5.0	*
23. SW 164 W	*	810.0	963.0	5.0	*
24. SW 82 W	*	892.0	969.0	5.0	*
25. SW CNR	*	977.0	945.0	5.0	*
26. SW 82 S	*	959.0	857.0	5.0	*
27. SW 164 S	*	924.0	783.0	5.0	*
28. SW MID S	*	876.0	716.0	5.0	*

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#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.7	.8	.7	.6	.9	1.0	.4	.0	.0	.1	.6	.7	.5	.4	.0	.0	.0	.0	.0	.0
5.	*	.8	.8	.8	.7	.9	.8	.3	.0	.0	.1	.6	.7	.5	.6	.0	.0	.0	.0	.0	.0
10.	*	.8	.7	.7	.6	.9	.8	.3	.0	.0	.1	.6	.5	.4	.6	.0	.0	.0	.0	.0	.0
15.	*	.6	.5	.7	.5	.9	.7	.2	.0	.0	.0	.4	.4	.5	.5	.0	.0	.0	.0	.0	.0
20.	*	.4	.5	.6	.5	.8	.7	.3	.0	.0	.0	.2	.4	.5	.5	.0	.1	.1	.2	.0	.0
25.	*	.4	.5	.5	.4	.8	.6	.3	.0	.0	.0	.2	.4	.5	.4	.1	.1	.2	.2	.0	.0
30.	*	.5	.5	.4	.5	.8	.6	.4	.0	.0	.0	.1	.3	.4	.3	.2	.2	.5	.0	.0	.0
35.	*	.2	.1	.3	.5	.8	.4	.4	.0	.0	.0	.1	.2	.2	.3	.4	.4	.5	.0	.0	.0
40.	*	.1	.2	.2	.4	.8	.4	.5	.0	.0	.0	.0	.1	.2	.1	.3	.5	.6	.6	.0	.0
45.	*	.2	.2	.2	.6	.8	.4	.5	.0	.0	.0	.0	.1	.1	.1	.3	.5	.8	.6	.3	.0
50.	*	.2	.2	.3	.6	.8	.3	.4	.0	.0	.0	.0	.1	.1	.1	.4	.6	.8	.7	.4	.0
55.	*	.2	.2	.4	.6	.9	.4	.4	.0	.0	.0	.0	.1	.1	.1	.4	.5	.6	.7	.4	.0



60.	*	.1	.2	.4	.6	.8	.4	.6	.0	.0	.0	.0	.1	.0	.2	.4	.7	.7	.4	.2
65.	*	.1	.2	.4	.5	.8	.4	.6	.0	.0	.0	.0	.0	.0	.3	.4	.7	.7	.4	.3
70.	*	.1	.2	.3	.5	.7	.4	.5	.0	.0	.0	.0	.0	.0	.3	.4	.7	.7	.4	.3
75.	*	.1	.1	.3	.5	.7	.4	.4	.0	.0	.0	.0	.0	.0	.3	.4	.7	.5	.4	.2
80.	*	.1	.1	.3	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.3	.4	.7	.5	.4	.2
85.	*	.1	.1	.3	.7	.6	.4	.4	.0	.0	.0	.0	.0	.0	.3	.4	.7	.5	.3	.2
90.	*	.1	.1	.2	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.3	.5	.7	.4	.3	.1
95.	*	.1	.1	.1	.6	.6	.4	.4	.0	.0	.0	.0	.0	.0	.4	.5	.7	.4	.2	.2
100.	*	.0	.1	.1	.5	.6	.5	.4	.1	.1	.1	.0	.0	.0	.4	.5	.7	.3	.4	.5
105.	*	.0	.1	.1	.5	.5	.5	.4	.2	.1	.1	.1	.0	.0	.4	.5	.7	.4	.5	.4
110.	*	.0	.0	.1	.3	.5	.5	.3	.2	.2	.3	.1	.0	.0	.4	.6	.7	.6	.5	.4
115.	*	.0	.0	.0	.2	.3	.4	.3	.3	.4	.4	.2	.0	.0	.4	.6	.8	.6	.5	.4
120.	*	.0	.0	.0	.2	.3	.3	.3	.5	.5	.5	.5	.1	.0	.4	.6	.8	.6	.3	.4
125.	*	.0	.0	.0	.1	.3	.3	.2	.6	.7	.7	.5	.1	.0	.4	.7	.8	.7	.3	.3
130.	*	.0	.0	.0	.0	.1	.2	.2	.7	.7	.7	.7	.1	.1	.0	.4	.7	.9	.8	.1
135.	*	.0	.0	.0	.0	.1	.2	.2	.7	.7	.9	.7	.1	.1	.1	.5	.7	1.0	.7	.3
140.	*	.0	.0	.0	.0	.1	.0	.1	.7	.7	1.0	.8	.2	.1	.1	.5	.7	.9	.6	.3
145.	*	.0	.0	.0	.0	.0	.0	.1	.7	.8	1.1	1.0	.3	.1	.1	.5	.8	.9	.4	.3
150.	*	.0	.0	.0	.0	.0	.0	.1	.8	.8	1.2	1.0	.3	.1	.1	.5	.8	.9	.3	.2
155.	*	.0	.0	.0	.0	.0	.0	.0	.9	.6	1.2	1.0	.2	.1	.1	.6	.8	.9	.2	.2
160.	*	.0	.0	.0	.0	.0	.0	.0	.9	.6	1.1	1.0	.3	.2	.1	.7	.8	.8	.3	.3
165.	*	.0	.0	.0	.0	.0	.0	.0	.9	.8	1.2	.9	.3	.2	.1	.7	.8	.6	.3	.3
170.	*	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.2	.8	.3	.2	.3	.8	.7	.6	.5	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.8	.3	.3	.3	.9	.9	.5	.6	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.7	.8	1.2	.6	.4	.3	.3	.9	.9	.4	.6	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.2	.5	.3	.3	.3	.8	.8	.5	.5	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.7	.9	1.2	.5	.3	.4	.4	.8	.8	.5	.3	.3
195.	*	.0	.0	.1	.0	.0	.0	.0	.6	1.0	1.2	.4	.3	.3	.3	.7	.6	.4	.4	.3
200.	*	.2	.1	.3	.1	.0	.0	.0	.6	1.0	1.2	.5	.4	.4	.4	.5	.6	.3	.3	.2
205.	*	.2	.4	.4	.1	.0	.0	.0	.7	1.1	1.2	.7	.5	.5	.5	.5	.4	.2	.2	.2

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WIND * CONCENTRATION																				
ANGLE * (PPM)																				
(DEGR) * REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.3	.5	.8	.3	.0	.0	.7	1.1	1.2	.6	.6	.6	.3	.3	.1	.3	.2	.2	
215.	*	.5	.6	.8	.4	.0	.0	.6	1.1	1.3	.7	.7	.6	.7	.1	.0	.2	.3	.2	.2
220.	*	.5	.7	.8	.5	.1	.0	.6	1.1	1.4	.7	.5	.6	.9	.0	.0	.1	.2	.2	.2
225.	*	.5	.7	.9	.5	.2	.0	.6	1.2	1.4	.7	.5	.8	.9	.0	.0	.1	.2	.3	.1
230.	*	.5	.7	.9	.5	.2	.0	.6	1.3	1.4	.6	.6	.8	.8	.0	.0	.1	.2	.2	.1
235.	*	.6	.6	.8	.7	.2	.0	.6	1.3	1.4	.6	.6	.8	.7	.0	.0	.1	.2	.2	.1
240.	*	.6	.7	.8	.7	.2	.1	.6	1.3	1.4	.6	.7	.8	.7	.0	.0	.0	.1	.2	.1
245.	*	.7	.7	.7	.6	.2	.1	.8	1.3	1.3	.5	.8	.8	.7	.0	.0	.0	.1	.1	.1
250.	*	.6	.7	.6	.4	.2	.1	.9	1.3	1.3	.5	.7	.8	.6	.0	.0	.0	.1	.1	.2
255.	*	.6	.7	.6	.4	.3	.1	.9	1.2	1.3	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
260.	*	.6	.7	.6	.4	.3	.1	1.1	1.3	1.0	.4	.7	.7	.5	.0	.0	.0	.0	.1	.2
265.	*	.6	.7	.6	.4	.4	.1	1.1	1.2	1.2	.5	.7	.7	.5	.0	.0	.0	.0	.1	.1
270.	*	.6	.7	.7	.4	.4	.1	1.0	1.2	1.2	.9	.4	.7	.7	.5	.0	.0	.0	.1	.1
275.	*	.6	.7	.7	.4	.3	.0	1.1	1.1	.9	.4	.7	.7	.5	.0	.0	.0	.0	.0	.0
280.	*	.6	.6	.7	.4	.3	.1	1.0	1.1	.8	.4	.7	.7	.5	.0	.0	.0	.0	.0	.0
285.	*	.6	.6	.7	.3	.4	.1	1.1	1.0	.6	.3	.7	.7	.5	.0	.0	.0	.0	.0	.0
290.	*	.6	.6	.8	.3	.4	.1	1.1	.8	.4	.3	.7	.6	.5	.0	.0	.0	.0	.0	.0
295.	*	.6	.6	.9	.4	.4	.1	.8	.8	.3	.4	.7	.6	.5	.0	.0	.0	.0	.0	.0
300.	*	.6	.6	.9	.4	.3	.2	.3	.6	.5	.3	.4	.7	.6	.5	.0	.0	.0	.0	.0
305.	*	.6	.6	.9	.4	.3	.3	.3	.5	.4	.4	.4	.7	.6	.4	.0	.0	.0	.0	.0
310.	*	.6	.6	.9	.3	.3	.3	.4	.5	.4	.3	.5	.7	.6	.4	.0	.0	.0	.0	.0
315.	*	.6	.7	.9	.3	.3	.4	.6	.3	.4	.2	.5	.7	.5	.4	.0	.0	.0	.0	.0
320.	*	.6	.7	.9	.4	.4	.6	.6	.2	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0
325.	*	.6	.7	.9	.3	.5	.8	.7	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0
330.	*	.6	.7	.7	.3	.4	.9	.8	.1	.2	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0
335.	*	.7	.8	.7	.3	.5	.9	.7	.1	.1	.3	.6	.7	.5	.4	.0	.0	.0	.0	.0
340.	*	.7	.8	.8	.5	.7	1.0	.8	.1	.1	.3	.7	.7	.5	.4	.0	.0	.0	.0	.0
345.	*	.7	.8	.7	.5	1.0	1.0	.7	.0	.1	.3	.7	.8	.6	.5	.0	.0	.0	.0	.0
350.	*	.6	.8	.6	1.0	1.0	.5	.0	.1	.2	.7	.7	.6	.5	.0	.0	.0	.0	.0	.0
355.	*	.7	.8	.7	.7	.9	1.0	.5	.0	.1	.1	.7	.7	.5	.5	.0	.0	.0	.0	.0
360.	*	.7	.8	.7	.6	.9	1.0	.4	.0	.0	.1	.6	.7	.5	.4	.0	.0	.0	.0	.0
MAX	*	.8	.8	.9	.7	1.0	1.0	.8	1.2	1.3	1.4	1.0	.8	.8	.9	.9	1.0	.8	.5	.5
DEGR.	*	5	0	295	235	345	0	330	270	230	220	145	245	225	220	175	175	135	130	105
																			100	

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JOB: S19 Campus &amp; US1 BRT2030PM

RUN: Campus &amp; US1 BRT2030PM

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## MODEL RESULTS

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REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE * (PPM)									
(DEGR) * REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28		
0.	*	.0	.1	.1	.5	.3	.1	.1	.1
5.	*	.0	.1	.1	.5	.3	.1	.2	.1
10.	*	.0	.1	.2	.5	.3	.2	.2	.1
15.	*	.0	.1	.2	.5	.2	.2	.2	.1

20.	*	.0	.1	.2	.5	.2	.1	.2	.1
25.	*	.0	.1	.3	.5	.3	.3	.2	.1
30.	*	.0	.1	.3	.5	.6	.4	.4	.1
35.	*	.0	.1	.3	.5	.5	.3	.5	.3
40.	*	.0	.1	.4	.5	.6	.5	.6	.3
45.	*	.0	.1	.4	.7	.4	.5	.7	.4
50.	*	.0	.1	.4	.8	.4	.6	.7	.5
55.	*	.0	.1	.6	.8	.2	.6	.7	.5
60.	*	.0	.2	.6	.7	.3	.6	.7	.4
65.	*	.0	.2	.6	.7	.3	.8	.6	.6
70.	*	.1	.2	.6	.6	.4	.8	.6	.5
75.	*	.1	.2	.5	.6	.5	.7	.6	.5
80.	*	.2	.3	.4	.6	.5	.7	.5	.5
85.	*	.2	.2	.6	.6	.5	.7	.5	.5
90.	*	.1	.4	.5	.6	.5	.7	.5	.5
95.	*	.1	.3	.5	.5	.5	.6	.5	.4
100.	*	.3	.2	.4	.5	.5	.5	.5	.4
105.	*	.3	.1	.2	.3	.5	.5	.4	.4
110.	*	.3	.1	.1	.3	.5	.5	.4	.4
115.	*	.4	.0	.1	.3	.5	.4	.4	.4
120.	*	.3	.0	.2	.3	.4	.4	.4	.4
125.	*	.2	.0	.2	.3	.5	.4	.4	.4
130.	*	.2	.0	.1	.2	.5	.4	.4	.4
135.	*	.2	.0	.1	.2	.4	.4	.4	.4
140.	*	.2	.0	.2	.2	.4	.4	.4	.4
145.	*	.2	.0	.2	.2	.4	.4	.4	.4
150.	*	.3	.0	.2	.2	.4	.4	.4	.4
155.	*	.2	.0	.2	.2	.4	.4	.4	.4
160.	*	.2	.0	.1	.2	.5	.4	.4	.4
165.	*	.2	.0	.1	.2	.3	.4	.4	.4
170.	*	.2	.0	.1	.2	.3	.4	.6	.4
175.	*	.2	.0	.1	.2	.3	.5	.6	.4
180.	*	.2	.0	.1	.1	.4	.5	.5	.3
185.	*	.1	.0	.0	.1	.3	.6	.5	.3
190.	*	.1	.0	.0	.1	.3	.6	.5	.3
195.	*	.1	.0	.0	.1	.3	.5	.4	.3
200.	*	.1	.0	.0	.0	.2	.4	.4	.3
205.	*	.1	.0	.0	.0	.1	.3	.4	.2

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JOB: S19 Campus & US1 BRT2030PM

RUN: Campus & US1 BRT2030PM

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.1	.0	.0	.0	.1	.2	.2
215.	*	.1	.0	.0	.0	.1	.2	.2
220.	*	.1	.0	.0	.0	.0	.1	.1
225.	*	.1	.0	.0	.0	.0	.1	.0
230.	*	.1	.0	.0	.0	.0	.0	.1
235.	*	.1	.0	.0	.0	.0	.0	.0
240.	*	.1	.0	.0	.0	.0	.0	.0
245.	*	.1	.0	.0	.0	.0	.0	.0
250.	*	.1	.0	.0	.0	.0	.0	.0
255.	*	.1	.1	.0	.2	.0	.0	.0
260.	*	.1	.1	.0	.2	.0	.0	.0
265.	*	.1	.1	.1	.2	.0	.0	.0
270.	*	.0	.1	.1	.3	.1	.0	.0
275.	*	.0	.1	.1	.3	.1	.0	.0
280.	*	.0	.1	.1	.4	.1	.0	.0
285.	*	.0	.1	.1	.4	.3	.0	.0
290.	*	.0	.1	.1	.5	.3	.0	.0
295.	*	.0	.1	.1	.5	.3	.0	.0
300.	*	.0	.1	.1	.5	.3	.0	.0
305.	*	.0	.1	.1	.5	.3	.0	.0
310.	*	.0	.1	.1	.5	.4	.1	.0
315.	*	.0	.1	.1	.5	.4	.1	.0
320.	*	.0	.1	.1	.5	.3	.1	.0
325.	*	.0	.1	.1	.5	.3	.1	.0
330.	*	.0	.1	.1	.5	.3	.1	.0
335.	*	.0	.1	.1	.5	.3	.1	.0
340.	*	.0	.1	.1	.5	.3	.1	.0
345.	*	.0	.1	.1	.5	.3	.1	.0
350.	*	.0	.1	.1	.5	.3	.1	.0
355.	*	.0	.1	.1	.5	.3	.1	.0
360.	*	.0	.1	.1	.5	.3	.1	.1
MAX	*	.4	.4	.6	.8	.6	.8	.7
DEGR.	*	115	90	55	50	30	65	45

THE HIGHEST CONCENTRATION IS 1.40 PPM AT 220 DEGREES FROM REC10.  
 THE 2ND HIGHEST CONCENTRATION IS 1.30 PPM AT 230 DEGREES FROM REC9 .  
 THE 3RD HIGHEST CONCENTRATION IS 1.20 PPM AT 270 DEGREES FROM REC8 .

Site 20

East Campus Entrance and  
US1

2015

S20 E CAMPUS DR & US1 NB15AM				60.0321.0.0000.000280.30480000				1	1
SW COR		620.	772.	5.0					
SW 82W		683.	740.	5.0					
SW 164W		754.	704.	5.0					
SW 256W		825.	668.	5.0					
SW MIDW		974.	595.	5.0					
SW 82S		592.	716.	5.0					
SW 164S		550.	626.	5.0					
SW 256S		496.	518.	5.0					
SW MIDS		429.	328.	5.0					
NW COR		640.	813.	5.0					
NW 82W		703.	781.	5.0					
NW 164W		775.	747.	5.0					
NW 256W		847.	710.	5.0					
NW MIDW		977.	647.	5.0					
NW 82N		676.	885.	5.0					
NW 164N		740.	1020.	5.0					
NW 256N		844.	1194.	5.0					
EAST		730.	1250.	5.0					
EAST		639.	1064.	5.0					
EAST		597.	975.	5.0					
EAST		559.	903.	5.0					
EAST		515.	803.	5.0					
EAST		480.	709.	5.0					
EAST		457.	658.	5.0					
EAST		414.	570.	5.0					
EAST		363.	455.	5.0					
EAST		324.	379.	5.0					
EAST		308.	327.	5.0					
S20 E CAMPUS DR & US1 NB15AM				16	1	0			
1									
0	WB	AG	1545.	323.	576.	819.	148	3.6	0. 44 24.
2									
0	WB	AG	634.	790.	828.	691.	0.	12.	2
150		131	2.0	148	37.8	1677	1	3	
1									
0	NB	AG	244.	-126.	289.	71.	1088	3.7	0. 44 23.
1									
0	NB	AG	289.	71.	424.	452.	1088	3.7	0. 44 23.
1									
0	NB	AG	424.	452.	685.	993.	1088	3.7	0. 44 23.
2									
0	NB	AG	589.	795.	470.	547.	0.	24.	2
150		35	2.0	1088	37.8	1757	1	3	
1									
0	NB	AG	685.	993.	835.	1249.	1092	3.7	0. 44 23.
1									
0	NB	AG	835.	1249.	1056.	1699.	1092	3.7	0. 44 23.
1									
0	SB	AG	987.	1729.	702.	1118.	1958	3.7	0. 56 23.
1									
0	SBL	AG	713.	1106.	567.	819.	116	3.7	0. 12 23.
2									
0	SBL	AG	585.	854.	652.	986.	0.	12.	1
150		129	2.0	116	37.8	1770	1	3	
1									
0	SBT	AG	695.	1120.	554.	824.	1842	3.7	0. 24 23.
2									
0	SBT	AG	567.	855.	678.	1084.	0.	24.	2
150		15	2.0	1842	37.8	1770	1	3	
1									
0	SB	AG	559.	820.	425.	532.	1918	3.7	0. 36 23.
1									
0	SB	AG	425.	532.	314.	261.	1918	3.7	0. 36 23.
1									
0	SB	AG	314.	261.	203.	-106.	1918	3.7	0. 36 23.
1.0	04	1000	0Y	5	0	72			

JOB: S20 E CAMPUS DR & US1 NB15AM  
 DATE: 12/10/2007 TIME: 15:40:53.68

RUN: S20 E CAMPUS DR & US1 NB15AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	148.	3.6	.0	44.0	
2. 0	WB	634.0	790.0	681.2	765.9	*	53.	117. AG	177.	100.0	.0	12.0	.44 2.7
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	1088.	3.7	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	1088.	3.7	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	1088.	3.7	.0	44.0	
6. 0	NB	589.0	795.0	544.0	701.1	*	104.	206. AG	47.	100.0	.0	24.0	.42 5.3
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	1092.	3.7	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	1092.	3.7	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	1958.	3.7	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	116.	3.7	.0	12.0	
11. 0	SBL	585.0	854.0	622.0	927.0	*	82.	27. AG	87.	100.0	.0	12.0	.58 4.2
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	1842.	3.7	.0	24.0	
13. 0	SBT	567.0	855.0	599.9	923.0	*	76.	26. AG	20.	100.0	.0	24.0	.60 3.8
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	1918.	3.7	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	1918.	3.7	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	1918.	3.7	.0	36.0	

JOB: S20 E CAMPUS DR & US1 NB15AM  
 DATE: 12/10/2007 TIME: 15:40:53.68

RUN: S20 E CAMPUS DR & US1 NB15AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
2. 0	WB	150	131	2.0	148	1677	37.80	1	3
6. 0	NB	150	35	2.0	1088	1757	37.80	1	3
11. 0	SBL	150	129	2.0	116	1770	37.80	1	3
13. 0	SBT	150	15	2.0	1842	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*
28. EAST	*	308.0	327.0	5.0	*

JOB: S20 E CAMPUS DR & US1 NB15AM

RUN: S20 E CAMPUS DR & US1 NB15AM

#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR) *	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
0.	.3	.2	.0	.0	.0	.3	.3	.2	.4	.2	.0	.1	.0	.0	.2	.2	.3	.0	.0	.0	
5.	.2	.1	.0	.0	.0	.2	.4	.2	.2	.2	.1	.1	.0	.0	.4	.2	.3	.1	.0	.0	
10.	.2	.2	.0	.0	.0	.2	.3	.2	.2	.3	.1	.0	.0	.0	.3	.2	.2	.1	.1	.0	
15.	.3	.2	.0	.0	.0	.2	.3	.2	.2	.2	.1	.0	.0	.0	.3	.2	.2	.2	.1	.1	
20.	.3	.0	.0	.0	.0	.2	.1	.2	.1	.2	.0	.0	.0	.0	.2	.2	.2	.2	.1	.2	
25.	.3	.0	.0	.0	.0	.2	.1	.1	.1	.2	.0	.0	.0	.0	.2	.2	.1	.3	.2	.2	
30.	.1	.0	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.3	.3	.2	
35.	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.3	.3	
40.	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	
45.	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	
50.	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	
55.	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	
60.	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	
65.	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	
70.	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	
75.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2	
80.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	
85.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	
90.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	
95.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	
100.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	
105.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	
110.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
115.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
120.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
130.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
135.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
140.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	
145.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	
150.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4	
155.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4	
160.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	
165.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	
170.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.3	.4	
175.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.3	.4	
180.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.3	.4	
185.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.3	.5	
190.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.3	.3	.5	
195.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.3	.3	.5	
200.	.1	.0	.0	.0	.0	.0	.0	.1	.0	.3	.0	.0	.0	.0	.2	.1	.0	.3	.4	.3	
205.	.1	.0	.0	.0	.0	.1	.1	.1	.2	.2	.0	.0	.0	.0	.2	.1	.0	.3	.1	.2	

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JOB: S20 E CAMPUS DR & US1 NB15AM

RUN: S20 E CAMPUS DR & US1 NB15AM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR) *	REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20																				
210.	.1	.0	.0	.0	.0	.1	.2	.2	.2	.3	.0	.0	.0	.0	.3	.1	.1	.2	.1	.2	
215.	.2	.0	.0	.0	.0	.2	.2	.3	.2	.4	.1	.0	.0	.0	.2	.1	.1	.1	.1	.0	
220.	.2	.0	.0	.0	.0	.2	.2	.3	.2	.3	.1	.0	.0	.0	.2	.1	.2	.1	.0	.0	
225.	.3	.0	.0	.0	.0	.2	.2	.3	.2	.3	.1	.0	.0	.0	.2	.2	.2	.0	.0	.0	
230.	.3	.0	.0	.0	.0	.2	.3	.2	.2	.3	.4	.0	.0	.0	.2	.3	.2	.0	.0	.0	
235.	.3	.2	.0	.0	.0	.2	.3	.2	.2	.3	.4	.0	.0	.0	.2	.3	.2	.0	.0	.0	
240.	.3	.2	.0	.0	.0	.2	.2	.2	.2	.3	.4	.0	.0	.0	.2	.3	.3	.0	.0	.0	
245.	.3	.2	.0	.0	.0	.2	.2	.2	.2	.3	.5	.0	.0	.0	.2	.3	.2	.0	.0	.0	
250.	.3	.2	.0	.0	.0	.3	.2	.2	.2	.3	.5	.0	.0	.0	.3	.2	.2	.0	.0	.0	
255.	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
260.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
265.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
270.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
275.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
280.	.3	.2	.0	.0	.0	.3	.2	.3	.2	.1	.3	.1	.0	.0	.3	.2	.2	.0	.0	.0	
285.	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.3	.1	.0	.0	.3	.2	.2	.0	.0	.0	
290.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0	
295.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0	
300.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0	
305.	.3	.3	.1	.0	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.3	.2	.2	.0	.0	.0	
310.	.2	.3	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
315.	.2	.4	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
320.	.2	.5	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
325.	.2	.5	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
330.	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
335.	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
340.	.3	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
345.	.3	.5	.0	.0	.0	.4	.2	.2	.2	.3	.1	.0	.0	.0	.2	.2	.2	.0	.0	.0	
350.	.3	.3	.0	.0	.0	.3	.2	.2	.2	.3	.1	.0	.0	.0	.2	.2	.3	.0	.0	.0	
355.	.3	.3	.0	.0	.0	.3	.2	.2	.2	.2	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	
360.	.3	.2	.0	.0	.0	.3	.3	.2	.4	.2	.0	.1	.0	.0	.2	.2	.3	.0	.0	.0	
MAX	.4	.5	.1	.0	.0	.4	.4	.3	.4	.4	.5	.1	.0	.0	.4	.3	.3	.4	.4	.5	
DEGR.	65	320	260	0	0	345	5	215	0	155	245	0	0	0	5	230	0	40	50	185	

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JOB: S20 E CAMPUS DR & US1 NB15AM

RUN: S20 E CAMPUS DR & US1 NB15AM

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MODEL RESULTS

WIND ANGLE RANGE: 0.-360.

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JOB: S20 E CAMPUS DR & US1 NB15AM

RUN: S20 E CAMPUS DR & US1 NB15AM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	* (PPM)							
(DEGR)	* REC21	* REC22	* REC23	* REC24	* REC25	* REC26	* REC27	* REC28
210.	*	.1	.1	.2	.2	.1	.1	.0
215.	*	.1	.1	.1	.1	.0	.0	.0
220.	*	.0	.0	.1	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0

-----\*-----  
MAX \* .6 .5 .5 .5 .4 .5 .4 .4  
DEGR. \* 135 50 55 35 35 185 35 30

THE HIGHEST CONCENTRATION IS .60 PPM AT 135 DEGREES FROM REC21.  
THE 2ND HIGHEST CONCENTRATION IS .50 PPM AT 320 DEGREES FROM REC2 .  
THE 3RD HIGHEST CONCENTRATION IS .50 PPM AT 245 DEGREES FROM REC11.



S20 E CAMPUS DR & US1 NB15PM				60.0321.0.0000.000280.30480000				1	1
SW COR		620.	772.	5.0					
SW 82W		683.	740.	5.0					
SW 164W		754.	704.	5.0					
SW 256W		825.	668.	5.0					
SW MIDW		974.	595.	5.0					
SW 82S		592.	716.	5.0					
SW 164S		550.	626.	5.0					
SW 256S		496.	518.	5.0					
SW MIDS		429.	328.	5.0					
NW COR		640.	813.	5.0					
NW 82W		703.	781.	5.0					
NW 164W		775.	747.	5.0					
NW 256W		847.	710.	5.0					
NW MIDW		977.	647.	5.0					
NW 82N		676.	885.	5.0					
NW 164N		740.	1020.	5.0					
NW 256N		844.	1194.	5.0					
EAST		730.	1250.	5.0					
EAST		639.	1064.	5.0					
EAST		597.	975.	5.0					
EAST		559.	903.	5.0					
EAST		515.	803.	5.0					
EAST		480.	709.	5.0					
EAST		457.	658.	5.0					
EAST		414.	570.	5.0					
EAST		363.	455.	5.0					
EAST		324.	379.	5.0					
EAST		308.	327.	5.0					
S20 E CAMPUS DR & US1 NB15PM				16	1	0			
1									
0	WB	AG	1545.	323.	576.	819.	250	3.7	0. 44 24.
2									
0	WB	AG	634.	790.	828.	691.	0.	12.	2
150		128	2.0	250	37.8	1677	1	3	
1									
0	NB	AG	244.	-126.	289.	71.	2121	3.7	0. 44 23.
1									
0	NB	AG	289.	71.	424.	452.	2121	3.7	0. 44 23.
1									
0	NB	AG	424.	452.	685.	993.	2121	3.7	0. 44 23.
2									
0	NB	AG	589.	795.	470.	547.	0.	24.	2
150		34	2.0	2121	37.8	1758	1	3	
1									
0	NB	AG	685.	993.	835.	1249.	2113	3.7	0. 44 23.
1									
0	NB	AG	835.	1249.	1056.	1699.	2113	3.7	0. 44 23.
1									
0	SB	AG	987.	1729.	702.	1118.	1480	3.7	0. 56 23.
1									
0	SBL	AG	713.	1106.	567.	819.	113	3.7	0. 12 23.
2									
0	SBL	AG	585.	854.	652.	986.	0.	12.	1
150		134	2.0	113	37.8	1770	1	3	
1									
0	SBT	AG	695.	1120.	554.	824.	1367	3.7	0. 24 23.
2									
0	SBT	AG	567.	855.	678.	1084.	0.	24.	2
150		18	2.0	1367	37.8	1770	1	3	
1									
0	SB	AG	559.	820.	425.	532.	1484	3.7	0. 36 23.
1									
0	SB	AG	425.	532.	314.	261.	1484	3.7	0. 36 23.
1									
0	SB	AG	314.	261.	203.	-106.	1484	3.7	0. 36 23.
1.0	04	1000	0Y	5	0	72			

JOB: S20 E CAMPUS DR & US1 NB15PM  
DATE: 12/10/2007 TIME: 15:41:41.52

RUN: S20 E CAMPUS DR & US1 NB15PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	250.	3.7	.0	44.0	
2. 0	WB	634.0	790.0	712.3	750.0	*	88.	117. AG	173.	100.0	.0	12.0	.62 4.5
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	2121.	3.7	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	2121.	3.7	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	2121.	3.7	.0	44.0	
6. 0	NB	589.0	795.0	503.7	617.3	*	197.	206. AG	46.	100.0	.0	24.0	.81 10.0
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	2113.	3.7	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	2113.	3.7	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	1480.	3.7	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	113.	3.7	.0	12.0	
11. 0	SBL	585.0	854.0	628.4	939.5	*	96.	27. AG	91.	100.0	.0	12.0	.80 4.9
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	1367.	3.7	.0	24.0	
13. 0	SBT	567.0	855.0	596.3	915.5	*	67.	26. AG	24.	100.0	.0	24.0	.45 3.4
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	1484.	3.7	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	1484.	3.7	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	1484.	3.7	.0	36.0	

JOB: S20 E CAMPUS DR & US1 NB15PM  
DATE: 12/10/2007 TIME: 15:41:41.52

RUN: S20 E CAMPUS DR & US1 NB15PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
2. 0	WB	150	128	2.0	250	1677	37.80	1	3
6. 0	NB	150	34	2.0	2121	1758	37.80	1	3
11. 0	SBL	150	134	2.0	113	1770	37.80	1	3
13. 0	SBT	150	18	2.0	1367	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*
28. EAST	*	308.0	327.0	5.0	*

JOB: S20 E CAMPUS DR & US1 NB15PM

RUN: S20 E CAMPUS DR & US1 NB15PM

#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.5	.5	.0	.0	.0	.5	.5	.4	.3	.3	.1	.1	.0	.0	.4	.4	.4	.0	.0	.0
5.	*	.4	.6	.0	.0	.0	.4	.5	.5	.2	.3	.1	.0	.0	.0	.3	.4	.4	.1	.0	.0
10.	*	.3	.5	.0	.0	.0	.4	.4	.5	.2	.3	.1	.0	.0	.0	.3	.4	.4	.1	.0	.0
15.	*	.3	.5	.0	.0	.0	.2	.3	.5	.1	.4	.1	.0	.0	.0	.3	.5	.4	.1	.1	.0
20.	*	.4	.4	.0	.0	.0	.2	.3	.3	.1	.2	.0	.0	.0	.0	.3	.4	.2	.2	.1	.2
25.	*	.3	.4	.0	.0	.0	.2	.2	.2	.1	.2	.0	.0	.0	.0	.1	.4	.2	.2	.1	.2
30.	*	.3	.4	.0	.0	.0	.2	.2	.1	.1	.2	.0	.0	.0	.0	.1	.2	.2	.3	.2	.3
35.	*	.3	.4	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.1	.2	.1	.4	.3	.4
40.	*	.2	.4	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.4	.3
45.	*	.2	.4	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
50.	*	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
55.	*	.3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
60.	*	.3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
65.	*	.4	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
70.	*	.4	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4
75.	*	.4	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
80.	*	.4	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
85.	*	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
90.	*	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2
95.	*	.4	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
100.	*	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
105.	*	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
110.	*	.3	.1	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
115.	*	.3	.1	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
120.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
125.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	.2	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0	.1	.0	.0	.3	.3	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0	.1	.0	.0	.3	.3	.6
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.3	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.4	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.4	.5
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.4	.4	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.3	.0	.0	.0	.1	.0	.0	.5	.5	.5
195.	*	.1	.0	.0	.0	.0	.1	.0	.1	.1	.3	.4	.0	.0	.0	.2	.1	.0	.5	.2	.4
200.	*	.1	.0	.0	.0	.0	.1	.2	.1	.1	.3	.4	.0	.0	.0	.2	.1	.1	.4	.2	.3
205.	*	.1	.0	.0	.0	.0	.2	.2	.1	.2	.2	.4	.0	.0	.0	.3	.2	.2	.3	.2	.3

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JOB: S20 E CAMPUS DR & US1 NB15PM

RUN: S20 E CAMPUS DR & US1 NB15PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.3	.0	.0	.0	.0	.3	.2	.3	.3	.4	.4	.0	.0	.0	.3	.2	.2	.1	.2	.1
215.	*	.4	.0	.0	.0	.0	.3	.4	.4	.3	.5	.5	.0	.0	.0	.3	.2	.3	.1	.0	.0
220.	*	.5	.1	.0	.0	.0	.5	.4	.3	.3	.5	.5	.0	.0	.0	.4	.3	.3	.0	.0	.0
225.	*	.5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.0	.0	.0	.4	.3	.3	.0	.0	.0
230.	*	.5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.0	.0	.0	.4	.4	.3	.0	.0	.0
235.	*	.5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.1	.0	.0	.4	.4	.3	.0	.0	.0
240.	*	.5	.1	.1	.0	.0	.5	.3	.3	.2	.5	.6	.1	.0	.0	.3	.3	.3	.0	.0	.0
245.	*	.4	.2	.1	.0	.0	.5	.3	.3	.3	.4	.6	.1	.0	.0	.2	.4	.4	.0	.0	.0
250.	*	.4	.2	.1	.0	.0	.4	.3	.3	.3	.4	.6	.1	.0	.0	.3	.4	.4	.0	.0	.0
255.	*	.4	.2	.1	.1	.0	.4	.3	.3	.3	.3	.6	.2	.1	.0	.4	.4	.3	.0	.0	.0
260.	*	.4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.6	.2	.1	.0	.4	.3	.3	.0	.0	.0
265.	*	.4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.6	.2	.1	.0	.4	.3	.3	.0	.0	.0
270.	*	.4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.4	.2	.1	.0	.4	.3	.3	.0	.0	.0
275.	*	.4	.2	.1	.1	.0	.4	.4	.3	.3	.2	.4	.3	.2	.0	.4	.3	.3	.0	.0	.0
280.	*	.4	.2	.1	.1	.0	.4	.4	.2	.3	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
285.	*	.4	.1	.2	.1	.0	.4	.4	.3	.3	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
290.	*	.4	.1	.2	.2	.0	.4	.4	.3	.3	.3	.2	.3	.2	.0	.4	.3	.3	.0	.0	.0
295.	*	.4	.2	.2	.2	.0	.4	.4	.3	.3	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
300.	*	.4	.2	.3	.2	.1	.4	.4	.3	.3	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
305.	*	.3	.3	.3	.2	.1	.4	.4	.3	.3	.3	.1	.2	.1	.0	.4	.3	.3	.0	.0	.0
310.	*	.2	.3	.3	.2	.1	.4	.4	.3	.3	.4	.1	.1	.1	.0	.4	.3	.3	.0	.0	.0
315.	*	.2	.4	.3	.2	.1	.4	.4	.3	.3	.4	.1	.1	.0	.0	.4	.3	.3	.0	.0	.0
320.	*	.3	.4	.3	.1	.1	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
325.	*	.3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
330.	*	.3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.2	.3	.0	.0	.0
335.	*	.3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.0	.0	.0	.3	.2	.3	.0	.0	.0
340.	*	.4	.5	.1	.0	.0	.4	.4	.3	.3	.4	.1	.0	.0	.0	.3	.3	.4	.0	.0	.0
345.	*	.4	.5	.0	.0	.0	.3	.4	.4	.3	.4	.1	.0	.0	.0	.3	.4	.4	.0	.0	.0
350.	*	.4	.5	.0	.0	.0	.5	.5	.4	.4	.4	.1	.1	.0	.0	.3	.4	.3	.0	.0	.0
355.	*	.5	.5	.0	.0	.0	.5	.5	.4	.3	.4	.1	.1	.0	.0	.4	.4	.3	.0	.0	.0
360.	*	.5	.5	.0	.0	.0	.5	.5	.4	.3	.3	.1	.1	.0	.0	.4	.4	.4	.0	.0	.0
MAX	*	.5	.6	.3	.2	.1	.5	.5	.5	.4	.5	.6	.3	.2	.0	.4	.5	.4	.5	.5	.6
DEGR.	*	0	5	300	290	95	0	0	5	350	215	240	275	275	0	0	15	0	190	190	160

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JOB: S20 E CAMPUS DR & US1 NB15PM

RUN: S20 E CAMPUS DR & US1 NB15PM

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MODEL RESULTS

WIND ANGLE RANGE: 0.-360.

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JOB: S20 E CAMPUS DR & US1 NB15PM

RUN: S20 E CAMPUS DR & US1 NB15PM

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	* (PPM)							
(DEGR)	* REC21	* REC22	* REC23	* REC24	* REC25	* REC26	* REC27	* REC28
210.	*	.1	.1	.1	.2	.1	.1	.0
215.	*	.0	.0	.1	.1	.1	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0

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MAX \* .5 .5 .6 .5 .5 .5 .4 .4  
DEGR. \* 55 160 65 45 40 45 45 35

THE HIGHEST CONCENTRATION IS .60 PPM AT 5 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS .60 PPM AT 240 DEGREES FROM REC11.  
THE 3RD HIGHEST CONCENTRATION IS .60 PPM AT 160 DEGREES FROM REC20.

S20 E CAMPUS DR & US1 LRT15AM				60.0321.0.0000.000280.30480000				1	1
SW COR		620.	772.	5.0					
SW 82W		683.	740.	5.0					
SW 164W		754.	704.	5.0					
SW 256W		825.	668.	5.0					
SW MIDW		974.	595.	5.0					
SW 82S		592.	716.	5.0					
SW 164S		550.	626.	5.0					
SW 256S		496.	518.	5.0					
SW MIDS		429.	328.	5.0					
NW COR		640.	813.	5.0					
NW 82W		703.	781.	5.0					
NW 164W		775.	747.	5.0					
NW 256W		847.	710.	5.0					
NW MIDW		977.	647.	5.0					
NW 82N		676.	885.	5.0					
NW 164N		740.	1020.	5.0					
NW 256N		844.	1194.	5.0					
EAST		730.	1250.	5.0					
EAST		639.	1064.	5.0					
EAST		597.	975.	5.0					
EAST		559.	903.	5.0					
EAST		515.	803.	5.0					
EAST		480.	709.	5.0					
EAST		457.	658.	5.0					
EAST		414.	570.	5.0					
EAST		363.	455.	5.0					
EAST		324.	379.	5.0					
EAST		308.	327.	5.0					
S20 E CAMPUS DR & US1 LRT15AM				16	1	0			
1									
0		WB	AG	1545.	323.	576.	819.	148 3.6 0.	44 24.
2									
0		WB	AG	634.	790.	828.	691.	0. 12.	2
	150			131	2.0	148	37.8 1677 1 3		
1									
0		NB	AG	244.	-126.	289.	71.	1088 3.7 0.	44 23.
1									
0		NB	AG	289.	71.	424.	452.	1088 3.7 0.	44 23.
1									
0		NB	AG	424.	452.	685.	993.	1088 3.7 0.	44 23.
2									
0		NB	AG	589.	795.	470.	547.	0. 24.	2
	150			35	2.0	1088	37.8 1757 1 3		
1									
0		NB	AG	685.	993.	835.	1249.	1092 3.7 0.	44 23.
1									
0		NB	AG	835.	1249.	1056.	1699.	1092 3.7 0.	44 23.
1									
0		SB	AG	987.	1729.	702.	1118.	1958 3.7 0.	56 23.
1									
0		SBL	AG	713.	1106.	567.	819.	116 3.7 0.	12 23.
2									
0		SBL	AG	585.	854.	652.	986.	0. 12.	1
	150			129	2.0	116	37.8 1770 1 3		
1									
0		SBT	AG	695.	1120.	554.	824.	1842 3.7 0.	24 23.
2									
0		SBT	AG	567.	855.	678.	1084.	0. 24.	2
	150			15	2.0	1842	37.8 1770 1 3		
1									
0		SB	AG	559.	820.	425.	532.	1918 3.7 0.	36 23.
1									
0		SB	AG	425.	532.	314.	261.	1918 3.7 0.	36 23.
1									
0		SB	AG	314.	261.	203.	-106.	1918 3.7 0.	36 23.
1.0	04	1000	0Y	5	0	72			

JOB: S20 E CAMPUS DR & US1 LRT15AM  
 DATE: 12/10/2007 TIME: 15:48:12.37

RUN: S20 E CAMPUS DR & US1 LRT15AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	148.	3.6	.0	44.0	
2. 0	WB	634.0	790.0	681.2	765.9	*	53.	117. AG	177.	100.0	.0	12.0	.44 2.7
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	1088.	3.7	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	1088.	3.7	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	1088.	3.7	.0	44.0	
6. 0	NB	589.0	795.0	544.0	701.1	*	104.	206. AG	47.	100.0	.0	24.0	.42 5.3
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	1092.	3.7	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	1092.	3.7	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	1958.	3.7	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	116.	3.7	.0	12.0	
11. 0	SBL	585.0	854.0	622.0	927.0	*	82.	27. AG	87.	100.0	.0	12.0	.58 4.2
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	1842.	3.7	.0	24.0	
13. 0	SBT	567.0	855.0	599.9	923.0	*	76.	26. AG	20.	100.0	.0	24.0	.60 3.8
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	1918.	3.7	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	1918.	3.7	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	1918.	3.7	.0	36.0	

JOB: S20 E CAMPUS DR & US1 LRT15AM  
 DATE: 12/10/2007 TIME: 15:48:12.37

RUN: S20 E CAMPUS DR & US1 LRT15AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. 0	WB	150	131	2.0	148	1677	37.80	1	3
6. 0	NB	150	35	2.0	1088	1757	37.80	1	3
11. 0	SBL	150	129	2.0	116	1770	37.80	1	3
13. 0	SBT	150	15	2.0	1842	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*
28. EAST	*	308.0	327.0	5.0	*

JOB: S20 E CAMPUS DR & US1 LRT15AM

RUN: S20 E CAMPUS DR & US1 LRT15AM

#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	.3	.2	.0	.0	.0	.3	.3	.2	.4	.2	.0	.1	.0	.0	.2	.2	.3	.0	.0	.0	
5.	.2	.1	.0	.0	.0	.2	.4	.2	.2	.2	.1	.1	.0	.0	.4	.2	.3	.1	.0	.0	
10.	.2	.2	.0	.0	.0	.2	.3	.2	.2	.3	.1	.0	.0	.0	.3	.2	.2	.1	.1	.0	
15.	.3	.2	.0	.0	.0	.2	.3	.2	.2	.2	.1	.0	.0	.0	.3	.2	.2	.2	.1	.1	
20.	.3	.0	.0	.0	.0	.2	.1	.2	.1	.2	.0	.0	.0	.0	.2	.2	.2	.2	.1	.2	
25.	.3	.0	.0	.0	.0	.2	.1	.1	.1	.2	.0	.0	.0	.0	.2	.2	.1	.3	.2	.2	
30.	.1	.0	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	.1	.3	.3	.2	
35.	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.3	.3	
40.	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	
45.	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	
50.	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	
55.	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	
60.	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	
65.	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3	
70.	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3	
75.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2	
80.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	
85.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2	
90.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	
95.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	
100.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	
105.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3	
110.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
115.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
120.	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
125.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
130.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
135.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3	
140.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	
145.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3	
150.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4	
155.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4	
160.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	
165.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4	
170.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.3	.4	
175.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.3	.4	
180.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.3	.4	
185.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.3	.5	
190.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.3	.3	.5	
195.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.3	.3	.5	
200.	.1	.0	.0	.0	.0	.0	.0	.1	.0	.3	.0	.0	.0	.0	.2	.1	.0	.3	.4	.3	
205.	.1	.0	.0	.0	.0	.1	.1	.1	.2	.2	.0	.0	.0	.0	.2	.1	.0	.3	.1	.2	

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JOB: S20 E CAMPUS DR & US1 LRT15AM

RUN: S20 E CAMPUS DR & US1 LRT15AM

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WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	.1	.0	.0	.0	.0	.1	.2	.2	.2	.3	.0	.0	.0	.0	.3	.1	.1	.2	.1	.2	
215.	.2	.0	.0	.0	.0	.2	.2	.3	.2	.4	.1	.0	.0	.0	.2	.1	.1	.1	.1	.0	
220.	.2	.0	.0	.0	.0	.2	.2	.3	.2	.3	.1	.0	.0	.0	.2	.1	.2	.1	.0	.0	
225.	.3	.0	.0	.0	.0	.2	.2	.3	.2	.3	.1	.0	.0	.0	.2	.2	.2	.0	.0	.0	
230.	.3	.0	.0	.0	.0	.2	.3	.2	.2	.3	.4	.0	.0	.0	.2	.3	.2	.0	.0	.0	
235.	.3	.2	.0	.0	.0	.2	.3	.2	.3	.3	.4	.0	.0	.0	.2	.3	.2	.0	.0	.0	
240.	.3	.2	.0	.0	.0	.2	.2	.2	.3	.3	.4	.0	.0	.0	.2	.3	.3	.0	.0	.0	
245.	.3	.2	.0	.0	.0	.2	.2	.2	.2	.3	.5	.0	.0	.0	.2	.3	.2	.0	.0	.0	
250.	.3	.2	.0	.0	.0	.3	.2	.2	.2	.3	.5	.0	.0	.0	.3	.2	.2	.0	.0	.0	
255.	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
260.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
265.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
270.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
275.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0	
280.	.3	.2	.0	.0	.0	.3	.2	.3	.2	.1	.3	.1	.0	.0	.3	.2	.2	.0	.0	.0	
285.	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.3	.1	.0	.0	.3	.2	.2	.0	.0	.0	
290.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0	
295.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0	
300.	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0	
305.	.3	.3	.1	.0	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.3	.2	.2	.0	.0	.0	
310.	.2	.3	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
315.	.2	.4	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
320.	.2	.5	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
325.	.2	.5	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
330.	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
335.	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
340.	.3	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0	
345.	.3	.5	.0	.0	.0	.4	.2	.2	.2	.3	.1	.0	.0	.0	.2	.2	.2	.0	.0	.0	
350.	.3	.3	.0	.0	.0	.3	.2	.2	.2	.3	.1	.0	.0	.0	.2	.2	.3	.0	.0	.0	
355.	.3	.3	.0	.0	.0	.3	.2	.2	.2	.2	.0	.0	.0	.0	.2	.2	.3	.0	.0	.0	
360.	.3	.2	.0	.0	.0	.3	.3	.2	.4	.2	.0	.1	.0	.0	.2	.2	.3	.0	.0	.0	
MAX	.4	.5	.1	.0	.0	.4	.4	.3	.4	.4	.5	.1	.0	.0	.4	.3	.3	.4	.4	.5	
DEGR.	65	320	260	0	0	345	5	215	0	155	245	0	0	0	5	230	0	40	50	185	

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JOB: S20 E CAMPUS DR & US1 LRT15AM

RUN: S20 E CAMPUS DR & US1 LRT15AM

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MODEL RESULTS



WIND ANGLE RANGE: 0.-360.

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JOB: S20 E CAMPUS DR & US1 LRT15AM

RUN: S20 E CAMPUS DR & US1 LRT15AM

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	* (PPM)							
(DEGR)	* REC21	* REC22	* REC23	* REC24	* REC25	* REC26	* REC27	* REC28
210.	*	.1	.1	.2	.2	.1	.1	.0
215.	*	.1	.1	.1	.1	.0	.0	.0
220.	*	.0	.0	.1	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0

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MAX \* .6 .5 .5 .5 .4 .5 .4 .4  
DEGR. \* 135 50 55 35 35 185 35 30

THE HIGHEST CONCENTRATION IS .60 PPM AT 135 DEGREES FROM REC21.  
THE 2ND HIGHEST CONCENTRATION IS .50 PPM AT 320 DEGREES FROM REC2 .  
THE 3RD HIGHEST CONCENTRATION IS .50 PPM AT 245 DEGREES FROM REC11.

S20 E CAMPUS DR & US1 LRT15PM				60.0321.0.0000.000280.30480000				1	1
SW COR		620.	772.	5.0					
SW 82W		683.	740.	5.0					
SW 164W		754.	704.	5.0					
SW 256W		825.	668.	5.0					
SW MIDW		974.	595.	5.0					
SW 82S		592.	716.	5.0					
SW 164S		550.	626.	5.0					
SW 256S		496.	518.	5.0					
SW MIDS		429.	328.	5.0					
NW COR		640.	813.	5.0					
NW 82W		703.	781.	5.0					
NW 164W		775.	747.	5.0					
NW 256W		847.	710.	5.0					
NW MIDW		977.	647.	5.0					
NW 82N		676.	885.	5.0					
NW 164N		740.	1020.	5.0					
NW 256N		844.	1194.	5.0					
EAST		730.	1250.	5.0					
EAST		639.	1064.	5.0					
EAST		597.	975.	5.0					
EAST		559.	903.	5.0					
EAST		515.	803.	5.0					
EAST		480.	709.	5.0					
EAST		457.	658.	5.0					
EAST		414.	570.	5.0					
EAST		363.	455.	5.0					
EAST		324.	379.	5.0					
EAST		308.	327.	5.0					
S20 E CAMPUS DR & US1 LRT15PM				16	1	0			
1									
0		WB	AG	1545.	323.	576.	819.	250 3.7 0. 44	24.
2									
0		WB	AG	634.	790.	828.	691.	0. 12. 2	
	150			128	2.0	250	37.8 1677 1 3		
1									
0		NB	AG	244.	-126.	289.	71.	2121 3.7 0. 44	23.
1									
0		NB	AG	289.	71.	424.	452.	2121 3.7 0. 44	23.
1									
0		NB	AG	424.	452.	685.	993.	2121 3.7 0. 44	23.
2									
0		NB	AG	589.	795.	470.	547.	0. 24. 2	
	150			34	2.0	2121	37.8 1758 1 3		
1									
0		NB	AG	685.	993.	835.	1249.	2113 3.7 0. 44	23.
1									
0		NB	AG	835.	1249.	1056.	1699.	2113 3.7 0. 44	23.
1									
0		SB	AG	987.	1729.	702.	1118.	1480 3.7 0. 56	23.
1									
0		SBL	AG	713.	1106.	567.	819.	113 3.7 0. 12	23.
2									
0		SBL	AG	585.	854.	652.	986.	0. 12. 1	
	150			134	2.0	113	37.8 1770 1 3		
1									
0		SBT	AG	695.	1120.	554.	824.	1367 3.7 0. 24	23.
2									
0		SBT	AG	567.	855.	678.	1084.	0. 24. 2	
	150			18	2.0	1367	37.8 1770 1 3		
1									
0		SB	AG	559.	820.	425.	532.	1484 3.7 0. 36	23.
1									
0		SB	AG	425.	532.	314.	261.	1484 3.7 0. 36	23.
1									
0		SB	AG	314.	261.	203.	-106.	1484 3.7 0. 36	23.
1.0	04	1000	0Y	5	0	72			

JOB: S20 E CAMPUS DR & US1 LRT15PM  
 DATE: 12/10/2007 TIME: 15:48:35.99

RUN: S20 E CAMPUS DR & US1 LRT15PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	250.	3.7	.0	44.0	
2. 0	WB	634.0	790.0	712.3	750.0	*	88.	117. AG	173.	100.0	.0	12.0	.62 4.5
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	2121.	3.7	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	2121.	3.7	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	2121.	3.7	.0	44.0	
6. 0	NB	589.0	795.0	503.7	617.3	*	197.	206. AG	46.	100.0	.0	24.0	.81 10.0
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	2113.	3.7	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	2113.	3.7	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	1480.	3.7	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	113.	3.7	.0	12.0	
11. 0	SBL	585.0	854.0	628.4	939.5	*	96.	27. AG	91.	100.0	.0	12.0	.80 4.9
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	1367.	3.7	.0	24.0	
13. 0	SBT	567.0	855.0	596.3	915.5	*	67.	26. AG	24.	100.0	.0	24.0	.45 3.4
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	1484.	3.7	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	1484.	3.7	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	1484.	3.7	.0	36.0	

JOB: S20 E CAMPUS DR & US1 LRT15PM  
 DATE: 12/10/2007 TIME: 15:48:35.99

RUN: S20 E CAMPUS DR & US1 LRT15PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	WB	150	128	2.0	250	1677	37.80	1	3
6. 0	NB	150	34	2.0	2121	1758	37.80	1	3
11. 0	SBL	150	134	2.0	113	1770	37.80	1	3
13. 0	SBT	150	18	2.0	1367	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*
28. EAST	*	308.0	327.0	5.0	*

JOB: S20 E CAMPUS DR & US1 LRT15PM

RUN: S20 E CAMPUS DR & US1 LRT15PM

#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.5	.5	.0	.0	.0	.5	.5	.4	.3	.3	.1	.1	.0	.0	.4	.4	.4	.0	.0	.0
5.	*	.4	.6	.0	.0	.0	.4	.5	.5	.2	.3	.1	.0	.0	.0	.3	.4	.4	.1	.0	.0
10.	*	.3	.5	.0	.0	.0	.4	.4	.5	.2	.3	.1	.0	.0	.0	.3	.4	.4	.1	.0	.0
15.	*	.3	.5	.0	.0	.0	.2	.3	.5	.1	.4	.1	.0	.0	.0	.3	.5	.4	.1	.1	.0
20.	*	.4	.4	.0	.0	.0	.2	.3	.3	.1	.2	.0	.0	.0	.0	.3	.4	.2	.2	.1	.2
25.	*	.3	.4	.0	.0	.0	.2	.2	.2	.1	.2	.0	.0	.0	.0	.1	.4	.2	.2	.1	.2
30.	*	.3	.4	.0	.0	.0	.2	.2	.1	.1	.2	.0	.0	.0	.0	.1	.2	.2	.3	.2	.3
35.	*	.3	.4	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.1	.2	.1	.4	.3	.4
40.	*	.2	.4	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.4	.3
45.	*	.2	.4	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
50.	*	.3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
55.	*	.3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
60.	*	.3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
65.	*	.4	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
70.	*	.4	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4
75.	*	.4	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
80.	*	.4	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
85.	*	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
90.	*	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2
95.	*	.4	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
100.	*	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
105.	*	.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
110.	*	.3	.1	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
115.	*	.3	.1	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
120.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
125.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	.2	.2
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.2
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0	.1	.0	.0	.3	.3	.6
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0	.1	.0	.0	.3	.3	.6
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.3	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.4	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.4	.5
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.4	.4	.4
190.	*	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.3	.0	.0	.0	.1	.0	.0	.5	.5	.5
195.	*	.1	.0	.0	.0	.0	.1	.0	.1	.1	.3	.4	.0	.0	.0	.2	.1	.0	.5	.2	.4
200.	*	.1	.0	.0	.0	.0	.1	.2	.1	.1	.3	.4	.0	.0	.0	.2	.1	.1	.4	.2	.3
205.	*	.1	.0	.0	.0	.0	.2	.2	.1	.2	.2	.4	.0	.0	.0	.3	.2	.2	.3	.2	.3

1

JOB: S20 E CAMPUS DR & US1 LRT15PM

RUN: S20 E CAMPUS DR & US1 LRT15PM

PAGE 4

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.3	.0	.0	.0	.0	.3	.2	.3	.3	.4	.4	.0	.0	.0	.3	.2	.2	.1	.2	.1
215.	*	.4	.0	.0	.0	.0	.3	.4	.4	.3	.5	.5	.0	.0	.0	.3	.2	.3	.1	.0	.0
220.	*	.5	.1	.0	.0	.0	.5	.4	.3	.3	.5	.5	.0	.0	.0	.4	.3	.3	.0	.0	.0
225.	*	.5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.0	.0	.0	.4	.3	.3	.0	.0	.0
230.	*	.5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.0	.0	.0	.4	.4	.3	.0	.0	.0
235.	*	.5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.1	.0	.0	.4	.4	.3	.0	.0	.0
240.	*	.5	.1	.1	.0	.0	.5	.3	.3	.2	.5	.6	.1	.0	.0	.3	.3	.3	.0	.0	.0
245.	*	.4	.2	.1	.0	.0	.5	.3	.3	.3	.4	.6	.1	.0	.0	.2	.4	.4	.0	.0	.0
250.	*	.4	.2	.1	.0	.0	.4	.3	.3	.3	.4	.6	.1	.0	.0	.3	.4	.4	.0	.0	.0
255.	*	.4	.2	.1	.1	.0	.4	.3	.3	.3	.3	.6	.2	.1	.0	.4	.4	.3	.0	.0	.0
260.	*	.4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.6	.2	.1	.0	.4	.3	.3	.0	.0	.0
265.	*	.4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.6	.2	.1	.0	.4	.3	.3	.0	.0	.0
270.	*	.4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.4	.2	.1	.0	.4	.3	.3	.0	.0	.0
275.	*	.4	.2	.1	.1	.0	.4	.4	.3	.3	.2	.4	.3	.2	.0	.4	.3	.3	.0	.0	.0
280.	*	.4	.2	.1	.1	.0	.4	.4	.2	.3	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
285.	*	.4	.1	.2	.1	.0	.4	.4	.3	.3	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
290.	*	.4	.1	.2	.2	.0	.4	.4	.3	.3	.3	.2	.3	.2	.0	.4	.3	.3	.0	.0	.0
295.	*	.4	.2	.2	.2	.0	.4	.4	.3	.3	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
300.	*	.4	.2	.3	.2	.1	.4	.4	.3	.3	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
305.	*	.3	.3	.3	.2	.1	.4	.4	.3	.3	.3	.1	.2	.1	.0	.4	.3	.3	.0	.0	.0
310.	*	.2	.3	.3	.2	.1	.4	.4	.3	.3	.4	.1	.1	.1	.0	.4	.3	.3	.0	.0	.0
315.	*	.2	.4	.3	.2	.1	.4	.4	.3	.3	.4	.1	.1	.0	.0	.4	.3	.3	.0	.0	.0
320.	*	.3	.4	.3	.1	.1	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
325.	*	.3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
330.	*	.3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.2	.3	.0	.0	.0
335.	*	.3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.0	.0	.0	.3	.2	.3	.0	.0	.0
340.	*	.4	.5	.1	.0	.0	.4	.4	.3	.3	.4	.1	.0	.0	.0	.3	.3	.4	.0	.0	.0
345.	*	.4	.5	.0	.0	.0	.3	.4	.4	.3	.4	.1	.0	.0	.0	.3	.4	.4	.0	.0	.0
350.	*	.4	.5	.0	.0	.0	.5	.5	.4	.4	.4	.1	.1	.0	.0	.3	.4	.3	.0	.0	.0
355.	*	.5	.5	.0	.0	.0	.5	.5	.4	.3	.4	.1	.1	.0	.0	.4	.4	.3	.0	.0	.0
360.	*	.5	.5	.0	.0	.0	.5	.5	.4	.3	.3	.1	.1	.0	.0	.4	.4	.4	.0	.0	.0
MAX	*	.5	.6	.3	.2	.1	.5	.5	.5	.4	.5	.6	.3	.2	.0	.4	.5	.4	.5	.5	.6
DEGR.	*	0	5	300	290	95	0	0	5	350	215	240	275	275	0	0	15	0	190	190	160

1

JOB: S20 E CAMPUS DR & US1 LRT15PM

RUN: S20 E CAMPUS DR & US1 LRT15PM

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MODEL RESULTS

WIND ANGLE RANGE: 0.-360.

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JOB: S20 E CAMPUS DR & US1 LRT15PM

RUN: S20 E CAMPUS DR & US1 LRT15PM

PAGE 6

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	* (PPM)							
(DEGR)	* REC21	* REC22	* REC23	* REC24	* REC25	* REC26	* REC27	* REC28
210.	*	.1	.1	.1	.2	.1	.1	.0
215.	*	.0	.0	.1	.1	.1	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0

-----\*-----  
MAX \* .5 .5 .6 .5 .5 .5 .4 .4  
DEGR. \* 55 160 65 45 40 45 45 35

THE HIGHEST CONCENTRATION IS .60 PPM AT 5 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS .60 PPM AT 240 DEGREES FROM REC11.  
THE 3RD HIGHEST CONCENTRATION IS .60 PPM AT 160 DEGREES FROM REC20.

S20 E CAMPUS DR & US1 BRT15AM										60.0321.0.0000.000280.30480000										1	1
SW COR			620.		772.		5.0														
SW 82W			683.		740.		5.0														
SW 164W			754.		704.		5.0														
SW 256W			825.		668.		5.0														
SW MIDW			974.		595.		5.0														
SW 82S			592.		716.		5.0														
SW 164S			550.		626.		5.0														
SW 256S			496.		518.		5.0														
SW MIDS			429.		328.		5.0														
NW COR			640.		813.		5.0														
NW 82W			703.		781.		5.0														
NW 164W			775.		747.		5.0														
NW 256W			847.		710.		5.0														
NW MIDW			977.		647.		5.0														
NW 82N			676.		885.		5.0														
NW 164N			740.		1020.		5.0														
NW 256N			844.		1194.		5.0														
EAST			730.		1250.		5.0														
EAST			639.		1064.		5.0														
EAST			597.		975.		5.0														
EAST			559.		903.		5.0														
EAST			515.		803.		5.0														
EAST			480.		709.		5.0														
EAST			457.		658.		5.0														
EAST			414.		570.		5.0														
EAST			363.		455.		5.0														
EAST			324.		379.		5.0														
EAST			308.		327.		5.0														
S20 E CAMPUS DR & US1 BRT15AM										31	1	0									
1																					
0		WB		AG	1545.	323.	576.	819.		148	3.6	0.	44	24.							
2																					
0		WB		AG	634.	790.	828.	691.		0.	12.	2									
	150		131		2.0	148	37.8	1677	1	3											
1																					
0		NB		AG	244.	-126.	289.	71.		1088	3.7	0.	44	23.							
1																					
0		NB		AG	289.	71.	424.	452.		1088	3.7	0.	44	23.							
1																					
0		NB		AG	424.	452.	685.	993.		1088	3.7	0.	44	23.							
2																					
0		NB		AG	589.	795.	470.	547.		0.	24.	2									
	150		35		2.0	1088	37.8	1757	1	3											
1																					
0		NB		AG	685.	993.	835.	1249.		1092	3.7	0.	44	23.							
1																					
0		NB		AG	835.	1249.	1056.	1699.		1092	3.7	0.	44								



0		BUS WB	AG	233.	1395.	-6.	1294.	34	0.7	0.	32	11.
1.0	04	1000	0Y 5	0 72								

JOB: S20 E CAMPUS DR & US1 BRT15AM  
 DATE: 12/10/2007 TIME: 15:47:18.60

RUN: S20 E CAMPUS DR & US1 BRT15AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	148.	3.6	.0	44.0	
2. 0	WB	634.0	790.0	681.2	765.9	*	53.	117. AG	177.	100.0	.0	12.0	.44 2.7
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	1088.	3.7	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	1088.	3.7	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	1088.	3.7	.0	44.0	
6. 0	NB	589.0	795.0	544.0	701.1	*	104.	206. AG	47.	100.0	.0	24.0	.42 5.3
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	1092.	3.7	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	1092.	3.7	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	1958.	3.7	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	116.	3.7	.0	12.0	
11. 0	SBL	585.0	854.0	622.0	927.0	*	82.	27. AG	87.	100.0	.0	12.0	.58 4.2
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	1842.	3.7	.0	24.0	
13. 0	SBT	567.0	855.0	599.9	923.0	*	76.	26. AG	20.	100.0	.0	24.0	.60 3.8
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	1918.	3.7	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	1918.	3.7	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	1918.	3.7	.0	36.0	
17. 0	BUS EB	2.0	1276.0	203.0	1365.0	*	220.	66. AG	34.	.7	.0	44.0	
18. 0	BUS EB	203.0	1368.0	406.0	1429.0	*	212.	73. AG	34.	.7	.0	44.0	
19. 0	BUS EB	406.0	1429.0	565.0	1469.0	*	164.	76. AG	34.	.7	.0	44.0	
20. 0	BUS EB	565.0	1469.0	796.0	1484.0	*	231.	86. AG	34.	.7	.0	44.0	
21. 0	BUS EB	796.0	1484.0	1018.0	1425.0	*	230.	105. AG	34.	.7	.0	44.0	
22. 0	BUS EB	1018.0	1425.0	1229.0	1292.0	*	249.	122. AG	34.	.7	.0	44.0	
23. 0	BUS EB	1229.0	1292.0	1337.0	1176.0	*	158.	137. AG	34.	.7	.0	44.0	
24. 0	BUS EB	1337.0	1176.0	1433.0	993.0	*	207.	152. AG	34.	.7	.0	44.0	
25. 0	BUS WB	1425.0	1088.0	1318.0	1270.0	*	211.	330. AG	34.	.7	.0	56.0	
26. 0	BUS WB	1318.0	1270.0	1145.0	1421.0	*	230.	311. AG	34.	.7	.0	56.0	
27. 0	BUS WB	1145.0	1421.0	932.0	1555.0	*	252.	302. AG	34.	.7	.0	56.0	
28. 0	BUS WB	932.0	1555.0	724.0	1555.0	*	208.	270. AG	34.	.7	.0	56.0	
29. 0	BUS WB	727.0	1553.0	572.0	1520.0	*	158.	258. AG	34.	.7	.0	32.0	
30. 0	BUS WB	572.0	1520.0	233.0	1395.0	*	361.	250. AG	34.	.7	.0	32.0	
31. 0	BUS WB	233.0	1395.0	-6.0	1294.0	*	259.	247. AG	34.	.7	.0	32.0	

JOB: S20 E CAMPUS DR & US1 BRT15AM  
 DATE: 12/10/2007 TIME: 15:47:18.60

RUN: S20 E CAMPUS DR & US1 BRT15AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	WB	150	131	2.0	148	1677	37.80	1	3
6. 0	NB	150	35	2.0	1088	1757	37.80	1	3
11. 0	SBL	150	129	2.0	116	1770	37.80	1	3
13. 0	SBT	150	15	2.0	1842	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*

28. EAST \* 308.0 327.0 5.0 \*  
1

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JOB: S20 E CAMPUS DR & US1 BRT15AM

RUN: S20 E CAMPUS DR & US1 BRT15AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.3	.2	.0	.0	.0	.3	.3	.2	.4	.2	.0	.1	.0	.0	.2	.2	.3	.0	.0
5.	*	.2	.1	.0	.0	.0	.2	.4	.2	.2	.2	.1	.1	.0	.0	.4	.2	.3	.1	.0
10.	*	.2	.2	.0	.0	.0	.2	.3	.2	.2	.3	.1	.0	.0	.0	.3	.2	.2	.1	.0
15.	*	.3	.2	.0	.0	.0	.2	.3	.2	.2	.2	.1	.0	.0	.0	.3	.2	.2	.2	.1
20.	*	.3	.0	.0	.0	.0	.2	.1	.2	.1	.2	.0	.0	.0	.0	.2	.2	.2	.2	.1
25.	*	.3	.0	.0	.0	.0	.2	.1	.1	.1	.2	.0	.0	.0	.0	.2	.2	.1	.3	.2
30.	*	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	.1	.3	.2
35.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.3
40.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
45.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
50.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
55.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
60.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
65.	*	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
70.	*	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
75.	*	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2
80.	*	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2
85.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.2
90.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
95.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
100.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
105.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
110.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
115.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
120.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.3	.3	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.3	.3	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.2	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.2	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.2	.4
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.3	.2	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.3	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	.4	.3	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	.4	.3	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	.4	.3	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	.4	.3	.5
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.3	.3	.5
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.3	.3	.5
200.	*	.1	.0	.0	.0	.0	.0	.0	.1	.0	.3	.0	.0	.0	.2	.1	.0	.3	.4	.3
205.	*	.1	.0	.0	.0	.0	.1	.1	.1	.2	.2	.0	.0	.0	.2	.1	.0	.3	.1	.2

1

JOB: S20 E CAMPUS DR & US1 BRT15AM

RUN: S20 E CAMPUS DR & US1 BRT15AM

PAGE 4

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.1	.0	.0	.0	.0	.1	.2	.2	.2	.3	.0	.0	.0	.0	.3	.1	.1	.2	.1
215.	*	.2	.0	.0	.0	.0	.2	.2	.3	.2	.4	.1	.0	.0	.0	.2	.1	.1	.1	.0
220.	*	.2	.0	.0	.0	.0	.2	.2	.3	.2	.3	.1	.0	.0	.0	.2	.1	.2	.1	.0
225.	*	.3	.0	.0	.0	.0	.2	.2	.3	.2	.3	.1	.0	.0	.0	.2	.2	.2	.0	.0
230.	*	.3	.0	.0	.0	.0	.2	.3	.2	.2	.3	.4	.0	.0	.0	.2	.3	.2	.0	.0
235.	*	.3	.2	.0	.0	.0	.2	.3	.2	.3	.3	.4	.0	.0	.0	.2	.3	.2	.0	.0
240.	*	.3	.2	.0	.0	.0	.2	.2	.2	.3	.3	.4	.0	.0	.0	.2	.3	.3	.0	.0
245.	*	.3	.2	.0	.0	.0	.2	.2	.2	.2	.3	.5	.0	.0	.0	.2	.3	.2	.0	.0
250.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.3	.5	.0	.0	.0	.3	.2	.2	.0	.0
255.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0
260.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0
265.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0
270.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0
275.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0
280.	*	.3	.2	.0	.0	.0	.3	.2	.3	.2	.1	.3	.1	.0	.0	.3	.2	.2	.0	.0
285.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.3	.1	.0	.0	.3	.2	.2	.0	.0
290.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0
295.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0
300.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0
305.	*	.3	.3	.1	.0	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.3	.2	.2	.0	.0
310.	*	.2	.3	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
315.	*	.2	.4	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
320.	*	.2	.5	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
325.	*	.2	.5	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
330.	*	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
335.	*	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0



290.	*	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0
-----*									
MAX	*	.6	.5	.5	.5	.4	.5	.4	.4
DEGR.	*	135	50	55	35	35	185	35	30

THE HIGHEST CONCENTRATION IS .60 PPM AT 135 DEGREES FROM REC21.  
 THE 2ND HIGHEST CONCENTRATION IS .50 PPM AT 320 DEGREES FROM REC2 .  
 THE 3RD HIGHEST CONCENTRATION IS .50 PPM AT 245 DEGREES FROM REC11.

S20 E CAMPUS DR & US1 BRT15PM										60.0321.0.0000.000280.30480000										1	1
SW COR				620.		772.		5.0													
SW 82W				683.		740.		5.0													
SW 164W				754.		704.		5.0													
SW 256W				825.		668.		5.0													
SW MIDW				974.		595.		5.0													
SW 82S				592.		716.		5.0													
SW 164S				550.		626.		5.0													
SW 256S				496.		518.		5.0													
SW MIDS				429.		328.		5.0													
NW COR				640.		813.		5.0													
NW 82W				703.		781.		5.0													
NW 164W				775.		747.		5.0													
NW 256W				847.		710.		5.0													
NW MIDW				977.		647.		5.0													
NW 82N				676.		885.		5.0													
NW 164N				740.		1020.		5.0													
NW 256N				844.		1194.		5.0													
EAST				730.		1250.		5.0													
EAST				639.		1064.		5.0													
EAST				597.		975.		5.0													
EAST				559.		903.		5.0													
EAST				515.		803.		5.0													
EAST				480.		709.		5.0													
EAST				457.		658.		5.0													
EAST				414.		570.		5.0													
EAST				363.		455.		5.0													
EAST				324.		379.		5.0													
EAST				308.		327.		5.0													
S20 E CAMPUS DR & US1 BRT15PM										31	1	0									
1																					
0		WB	AG	1545.	323.	576.	819.		250	3.7	0.	44	24.								
2																					
0		WB	AG	634.	790.	828.	691.		0.	12.	2										
	150		128	2.0	250	37.8	1677	1 3													
1																					
0		NB	AG	244.	-126.	289.	71.		2121	3.7	0.	44	23.								
1																					
0		NB	AG	289.	71.	424.	452.		2121	3.7	0.	44	23.								
1																					
0		NB	AG	424.	452.	685.	993.		2121	3.7	0.	44	23.								

0  
1.0 04 BUS WB AG 233. 1395. -6. 1294. 34 4.1 0. 32 11.  
1000 0Y 5 0 72

JOB: S20 E CAMPUS DR & US1 BRT15PM  
 DATE: 12/10/2007 TIME: 15:47:52.60

RUN: S20 E CAMPUS DR & US1 BRT15PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
 U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	250.	3.7	.0	44.0	
2. 0	WB	634.0	790.0	712.3	750.0	*	88.	117. AG	173.	100.0	.0	12.0	.62 4.5
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	2121.	3.7	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	2121.	3.7	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	2121.	3.7	.0	44.0	
6. 0	NB	589.0	795.0	503.7	617.3	*	197.	206. AG	46.	100.0	.0	24.0	.81 10.0
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	2113.	3.7	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	2113.	3.7	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	1480.	3.7	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	113.	3.7	.0	12.0	
11. 0	SBL	585.0	854.0	628.4	939.5	*	96.	27. AG	91.	100.0	.0	12.0	.80 4.9
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	1367.	3.7	.0	24.0	
13. 0	SBT	567.0	855.0	596.3	915.5	*	67.	26. AG	24.	100.0	.0	24.0	.45 3.4
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	1484.	3.7	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	1484.	3.7	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	1484.	3.7	.0	36.0	
17. 0	BUS EB	2.0	1276.0	203.0	1365.0	*	220.	66. AG	34.	4.1	.0	44.0	
18. 0	BUS EB	203.0	1368.0	406.0	1429.0	*	212.	73. AG	34.	4.1	.0	44.0	
19. 0	BUS EB	406.0	1429.0	565.0	1469.0	*	164.	76. AG	34.	4.1	.0	44.0	
20. 0	BUS EB	565.0	1469.0	796.0	1484.0	*	231.	86. AG	34.	4.1	.0	44.0	
21. 0	BUS EB	796.0	1484.0	1018.0	1425.0	*	230.	105. AG	34.	4.1	.0	44.0	
22. 0	BUS EB	1018.0	1425.0	1229.0	1292.0	*	249.	122. AG	34.	4.1	.0	44.0	
23. 0	BUS EB	1229.0	1292.0	1337.0	1176.0	*	158.	137. AG	34.	4.1	.0	44.0	
24. 0	BUS EB	1337.0	1176.0	1433.0	993.0	*	207.	152. AG	34.	4.1	.0	44.0	
25. 0	BUS WB	1425.0	1088.0	1318.0	1270.0	*	211.	330. AG	34.	4.1	.0	56.0	
26. 0	BUS WB	1318.0	1270.0	1145.0	1421.0	*	230.	311. AG	34.	4.1	.0	56.0	
27. 0	BUS WB	1145.0	1421.0	932.0	1555.0	*	252.	302. AG	34.	4.1	.0	56.0	
28. 0	BUS WB	932.0	1555.0	724.0	1555.0	*	208.	270. AG	34.	4.1	.0	56.0	
29. 0	BUS WB	727.0	1553.0	572.0	1520.0	*	158.	258. AG	34.	4.1	.0	32.0	
30. 0	BUS WB	572.0	1520.0	233.0	1395.0	*	361.	250. AG	34.	4.1	.0	32.0	
31. 0	BUS WB	233.0	1395.0	-6.0	1294.0	*	259.	247. AG	34.	4.1	.0	32.0	

JOB: S20 E CAMPUS DR & US1 BRT15PM  
 DATE: 12/10/2007 TIME: 15:47:52.60

RUN: S20 E CAMPUS DR & US1 BRT15PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	WB	150	128	2.0	250	1677	37.80	1	3
6. 0	NB	150	34	2.0	2121	1758	37.80	1	3
11. 0	SBL	150	134	2.0	113	1770	37.80	1	3
13. 0	SBT	150	18	2.0	1367	1770	37.80	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*



1 28. EAST \* 308.0 327.0 5.0 \*

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JOB: S20 E CAMPUS DR & US1 BRT15PM

RUN: S20 E CAMPUS DR & US1 BRT15PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	* .5	.5	.0	.0	.0	.5	.5	.4	.3	.3	.1	.1	.0	.0	.4	.4	.4	.0	.0	.0
5.	* .4	.6	.0	.0	.0	.4	.5	.5	.2	.3	.1	.0	.0	.0	.3	.4	.4	.1	.0	.0
10.	* .3	.5	.0	.0	.0	.4	.4	.5	.2	.3	.1	.0	.0	.0	.3	.4	.4	.1	.0	.0
15.	* .3	.5	.0	.0	.0	.2	.3	.5	.1	.4	.1	.0	.0	.0	.3	.5	.4	.1	.1	.0
20.	* .4	.4	.0	.0	.0	.2	.3	.3	.1	.2	.0	.0	.0	.0	.3	.4	.2	.2	.1	.2
25.	* .3	.4	.0	.0	.0	.2	.2	.2	.1	.2	.0	.0	.0	.0	.1	.4	.2	.2	.1	.2
30.	* .3	.4	.0	.0	.0	.2	.2	.1	.1	.2	.0	.0	.0	.0	.1	.2	.2	.3	.2	.3
35.	* .3	.4	.0	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.1	.2	.1	.4	.3	.4
40.	* .2	.4	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.4	.3
45.	* .2	.4	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
50.	* .3	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
55.	* .3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
60.	* .3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
65.	* .4	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
70.	* .4	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4
75.	* .4	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
80.	* .4	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
85.	* .4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
90.	* .4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.2
95.	* .4	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
100.	* .4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
105.	* .4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
110.	* .3	.1	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
115.	* .3	.1	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
120.	* .1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.2	.2
125.	* .1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	.2	.2
130.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.2
135.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
140.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.3
145.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
150.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
155.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.3	.2	.4
160.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0	.1	.0	.0	.3	.3	.6
165.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0	.1	.0	.0	.3	.3	.6
170.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.3	.5
175.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.4	.5
180.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.3	.4	.5
185.	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.1	.0	.0	.4	.4	.4
190.	* .0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.3	.0	.0	.0	.1	.0	.0	.5	.5	.5
195.	* .1	.0	.0	.0	.0	.1	.0	.1	.1	.3	.4	.0	.0	.0	.2	.1	.0	.5	.2	.4
200.	* .1	.0	.0	.0	.0	.1	.2	.1	.1	.3	.4	.0	.0	.0	.2	.1	.1	.4	.2	.3
205.	* .1	.0	.0	.0	.0	.2	.2	.1	.2	.2	.4	.0	.0	.0	.3	.2	.2	.3	.2	.3

1

JOB: S20 E CAMPUS DR & US1 BRT15PM

RUN: S20 E CAMPUS DR & US1 BRT15PM

PAGE 4

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	* .3	.0	.0	.0	.0	.3	.2	.3	.3	.4	.4	.0	.0	.0	.3	.2	.2	.1	.2	.1
215.	* .4	.0	.0	.0	.0	.3	.4	.4	.3	.5	.5	.0	.0	.0	.3	.2	.3	.1	.0	.0
220.	* .5	.1	.0	.0	.0	.5	.4	.3	.3	.5	.5	.0	.0	.0	.4	.3	.3	.0	.0	.0
225.	* .5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.0	.0	.0	.4	.3	.3	.0	.0	.0
230.	* .5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.0	.0	.0	.4	.4	.3	.0	.0	.0
235.	* .5	.1	.0	.0	.0	.5	.3	.4	.3	.5	.5	.1	.0	.0	.4	.4	.3	.0	.0	.0
240.	* .5	.1	.1	.0	.0	.5	.3	.3	.2	.5	.6	.1	.0	.0	.3	.3	.3	.0	.0	.0
245.	* .4	.2	.1	.0	.0	.5	.3	.3	.3	.4	.6	.1	.0	.0	.2	.4	.4	.0	.0	.0
250.	* .4	.2	.1	.0	.0	.4	.3	.3	.3	.4	.6	.1	.0	.0	.3	.4	.4	.0	.0	.0
255.	* .4	.2	.1	.1	.0	.4	.3	.3	.3	.3	.6	.2	.1	.0	.4	.4	.3	.0	.0	.0
260.	* .4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.6	.2	.1	.0	.4	.3	.3	.0	.0	.0
265.	* .4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.6	.2	.1	.0	.4	.3	.3	.0	.0	.0
270.	* .4	.2	.1	.1	.0	.4	.4	.3	.3	.3	.4	.2	.1	.0	.4	.3	.3	.0	.0	.0
275.	* .4	.2	.1	.1	.0	.4	.4	.3	.3	.2	.4	.3	.2	.0	.4	.3	.3	.0	.0	.0
280.	* .4	.2	.1	.1	.0	.4	.4	.2	.3	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
285.	* .4	.1	.2	.1	.0	.4	.4	.3	.3	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
290.	* .4	.1	.2	.2	.0	.4	.4	.3	.3	.3	.2	.3	.2	.0	.4	.3	.3	.0	.0	.0
295.	* .4	.2	.2	.2	.0	.4	.4	.3	.3	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
300.	* .4	.2	.3	.2	.1	.4	.4	.3	.3	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
305.	* .3	.3	.3	.2	.1	.4	.4	.3	.3	.3	.1	.2	.1	.0	.4	.3	.3	.0	.0	.0
310.	* .2	.3	.3	.2	.1	.4	.4	.3	.3	.4	.1	.1	.1	.0	.4	.3	.3	.0	.0	.0
315.	* .2	.4	.3	.2	.1	.4	.4	.3	.3	.4	.1	.1	.0	.0	.4	.3	.3	.0	.0	.0
320.	* .3	.4	.3	.1	.1	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
325.	* .3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
330.	* .3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.1	.0	.0	.3	.2	.3	.0	.0	.0
335.	* .3	.5	.2	.0	.0	.4	.4	.3	.3	.4	.1	.0	.0	.0	.3	.2	.3	.0	.0	.0



290.	*	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0

-----*									
MAX	*	.5	.5	.6	.5	.5	.5	.4	.4
DEGR.	*	55	160	65	45	40	45	45	35

THE HIGHEST CONCENTRATION IS .60 PPM AT 5 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS .60 PPM AT 240 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS .60 PPM AT 160 DEGREES FROM REC20.

Site 20

East Campus Entrance and  
US1

2030

S20 E CAMPUS DR & US1 LRT30AM				60.0321.0.0000.000280.30480000				1	1
SW COR		620.	772.	5.0					
SW 82W		683.	740.	5.0					
SW 164W		754.	704.	5.0					
SW 256W		825.	668.	5.0					
SW MIDW		974.	595.	5.0					
SW 82S		592.	716.	5.0					
SW 164S		550.	626.	5.0					
SW 256S		496.	518.	5.0					
SW MIDS		429.	328.	5.0					
NW COR		640.	813.	5.0					
NW 82W		703.	781.	5.0					
NW 164W		775.	747.	5.0					
NW 256W		847.	710.	5.0					
NW MIDW		977.	647.	5.0					
NW 82N		676.	885.	5.0					
NW 164N		740.	1020.	5.0					
NW 256N		844.	1194.	5.0					
EAST		730.	1250.	5.0					
EAST		639.	1064.	5.0					
EAST		597.	975.	5.0					
EAST		559.	903.	5.0					
EAST		515.	803.	5.0					
EAST		480.	709.	5.0					
EAST		457.	658.	5.0					
EAST		414.	570.	5.0					
EAST		363.	455.	5.0					
EAST		324.	379.	5.0					
EAST		308.	327.	5.0					
S20 E CAMPUS DR & US1 LRT30AM				16 1 0					
1									
0	WB	AG	1545.	323.	576.	819.	148 3.1	0.	44 24.
2									
0	WB	AG	634.	790.	828.	691.	0. 12.	2	
150		131	2.0	148	32.1	1677 1 3			
1									
0	NB	AG	244.	-126.	289.	71.	1375 3.1	0.	44 23.
1									
0	NB	AG	289.	71.	424.	452.	1375 3.1	0.	44 23.
1									
0	NB	AG	424.	452.	685.	993.	1375 3.1	0.	44 23.
2									
0	NB	AG	589.	795.	470.	547.	0. 24.	2	
150		35	2.0	1375	32.1	1757 1 3			
1									
0	NB	AG	685.	993.	835.	1249.	1379 3.1	0.	44 23.
1									
0	NB	AG	835.	1249.	1056.	1699.	1379 3.1	0.	44 23.
1									
0	SB	AG	987.	1729.	702.	1118.	2596 3.1	0.	56 23.
1									
0	SBL	AG	713.	1106.	567.	819.	116 3.1	0.	12 23.
2									
0	SBL	AG	585.	854.	652.	986.	0. 12.	1	
150		129	2.0	116	32.1	1770 1 3			
1									
0	SBT	AG	695.	1120.	554.	824.	2480 3.1	0.	24 23.
2									
0	SBT	AG	567.	855.	678.	1084.	0. 24.	2	
150		15	2.0	2480	32.1	1770 1 3			
1									
0	SB	AG	559.	820.	425.	532.	2552 3.1	0.	36 23.
1									
0	SB	AG	425.	532.	314.	261.	2552 3.1	0.	36 23.
1									
0	SB	AG	314.	261.	203.	-106.	2552 3.1	0.	36 23.
1.0	04	1000	0Y	5	0	72			

JOB: S20 E CAMPUS DR & US1 LRT30AM  
DATE: 12/05/2007 TIME: 22:16:44.23

RUN: S20 E CAMPUS DR & US1 LRT30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	148.	3.1	.0	44.0	
2. 0	WB	634.0	790.0	681.2	765.9	*	53.	117. AG	150.	100.0	.0	12.0	.44 2.7
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	1375.	3.1	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	1375.	3.1	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	1375.	3.1	.0	44.0	
6. 0	NB	589.0	795.0	532.1	676.5	*	131.	206. AG	40.	100.0	.0	24.0	.53 6.7
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	1379.	3.1	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	1379.	3.1	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	2596.	3.1	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	116.	3.1	.0	12.0	
11. 0	SBL	585.0	854.0	622.0	927.0	*	82.	27. AG	74.	100.0	.0	12.0	.58 4.2
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	2480.	3.1	.0	24.0	
13. 0	SBT	567.0	855.0	611.4	946.5	*	102.	26. AG	17.	100.0	.0	24.0	.80 5.2
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	2552.	3.1	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	2552.	3.1	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	2552.	3.1	.0	36.0	

JOB: S20 E CAMPUS DR & US1 LRT30AM  
DATE: 12/05/2007 TIME: 22:16:44.23

RUN: S20 E CAMPUS DR & US1 LRT30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
2. 0	WB	150	131	2.0	148	1677	32.10	1	3
6. 0	NB	150	35	2.0	1375	1757	32.10	1	3
11. 0	SBL	150	129	2.0	116	1770	32.10	1	3
13. 0	SBT	150	15	2.0	2480	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*
28. EAST	*	308.0	327.0	5.0	*

JOB: S20 E CAMPUS DR & US1 LRT30AM

RUN: S20 E CAMPUS DR & US1 LRT30AM

#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

0.	*	.2	.1	.1	.0	.0	.3	.3	.3	.4	.2	.1	.1	.0	.0	.3	.4	.3	.1	.0	.0
5.	*	.2	.2	.1	.0	.0	.2	.4	.3	.4	.2	.1	.1	.0	.0	.4	.4	.3	.1	.0	.0
10.	*	.3	.2	.0	.0	.0	.2	.4	.3	.2	.3	.1	.1	.0	.0	.3	.4	.2	.1	.1	.0
15.	*	.3	.2	.0	.0	.0	.3	.3	.2	.2	.3	.1	.0	.0	.0	.3	.2	.2	.2	.1	.2
20.	*	.3	.0	.0	.0	.0	.3	.2	.2	.2	.2	.1	.0	.0	.0	.2	.2	.2	.2	.1	.2
25.	*	.3	.0	.0	.0	.0	.3	.1	.1	.1	.2	.0	.0	.0	.0	.2	.2	.1	.3	.2	.2
30.	*	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1	.2	.1	.4	.3	.2
35.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.3	.3
40.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.4
45.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.4
50.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4
55.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
60.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
65.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
70.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
75.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2
80.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2
85.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
90.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
95.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
100.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
105.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
110.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
115.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.4	.2	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.4	.2	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.0	.4	.4	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.4	.4	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.5	.4	.5
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.4	.3	.5
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.0	.4	.4	.4
200.	*	.1	.0	.0	.0	.0	.1	.0	.1	.2	.2	.0	.0	.0	.0	.2	.1	.0	.3	.4	.3
205.	*	.1	.0	.0	.0	.0	.1	.2	.1	.2	.2	.0	.0	.0	.0	.2	.1	.0	.3	.2	.2

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JOB: S20 E CAMPUS DR & US1 LRT30AM

RUN: S20 E CAMPUS DR & US1 LRT30AM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)\* REC1 REC2 REC3 REC4 REC5 REC6 REC7 REC8 REC9 REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20

210.	*	.2	.0	.0	.0	.0	.2	.2	.3	.2	.3	.0	.0	.0	.0	.2	.1	.1	.2	.1	.2
215.	*	.2	.0	.0	.0	.0	.3	.2	.3	.2	.3	.1	.0	.0	.0	.2	.2	.2	.2	.1	.1
220.	*	.3	.0	.0	.0	.0	.3	.2	.3	.2	.3	.1	.0	.0	.0	.2	.3	.2	.1	.0	.0
225.	*	.3	.0	.0	.0	.0	.2	.3	.3	.2	.4	.1	.0	.0	.0	.2	.2	.2	.1	.0	.0
230.	*	.3	.1	.0	.0	.0	.2	.3	.3	.2	.3	.3	.0	.0	.0	.2	.3	.2	.0	.0	.0
235.	*	.3	.2	.0	.0	.0	.3	.3	.2	.3	.3	.4	.0	.0	.0	.2	.3	.3	.0	.0	.0
240.	*	.3	.2	.0	.0	.0	.3	.2	.2	.3	.3	.4	.0	.0	.0	.2	.3	.3	.0	.0	.0
245.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.3	.4	.0	.0	.0	.3	.3	.2	.0	.0	.0
250.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.2	.2	.2	.0	.0	.0
255.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0
260.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0
265.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0	.0
270.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.2	.0	.0	.3	.2	.2	.0	.0	.0
275.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.4	.1	.0	.0	.3	.2	.2	.0	.0	.0
280.	*	.3	.2	.1	.0	.0	.3	.2	.3	.2	.2	.3	.1	.0	.0	.3	.2	.2	.0	.0	.0
285.	*	.3	.2	.1	.0	.0	.3	.2	.3	.2	.2	.3	.1	.0	.0	.3	.2	.2	.0	.0	.0
290.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0
295.	*	.3	.3	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0	.0
300.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.3	.0	.0	.0	.3	.2	.2	.0	.0	.0
305.	*	.2	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0
310.	*	.3	.3	.1	.0	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.2	.2	.2	.0	.0	.0
315.	*	.2	.4	.1	.0	.0	.3	.2	.2	.2	.2	.3	.2	.0	.0	.2	.2	.2	.0	.0	.0
320.	*	.2	.5	.1	.0	.0	.3	.2	.2	.2	.2	.3	.2	.0	.0	.2	.2	.2	.0	.0	.0
325.	*	.2	.5	.0	.0	.0	.3	.2	.2	.2	.2	.3	.2	.0	.0	.2	.2	.2	.0	.0	.0
330.	*	.2	.5	.0	.0	.0	.3	.2	.2	.2	.2	.3	.2	.0	.0	.2	.2	.2	.0	.0	.0
335.	*	.2	.5	.0	.0	.0	.3	.2	.2	.2	.2	.3	.2	.0	.0	.2	.3	.2	.0	.0	.0
340.	*	.2	.5	.0	.0	.0	.4	.2	.2	.2	.2	.3	.2	.0	.0	.2	.2	.2	.0	.0	.0
345.	*	.3	.4	.0	.0	.0	.4	.3	.2	.2	.3	.1	.0	.0	.0	.2	.2	.3	.0	.0	.0
350.	*	.3	.4	.0	.0	.0	.4	.3	.2	.2	.3	.1	.0	.0	.0	.2	.2	.3	.0	.0	.0
355.	*	.3	.3	.0	.0	.0	.3	.3	.2	.2	.2	.0	.1	.0	.0	.2	.2	.3	.0	.0	.0
360.	*	.2	.1	.1	.0	.0	.3	.3	.3	.4	.2	.1	.1	.0	.0	.3	.4	.3	.1	.0	.0

MAX	*	.3	.5	.1	.0	.0	.4	.4	.3	.4	.4	.5	.2	.0	.0	.4	.4	.3	.5	.4	.5
DEGR.	*	10	320	0	0	0	340	5	0	0	225	250	270	0	0	5	0	0	40	50	185

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JOB: S20 E CAMPUS DR & US1 LRT30AM

RUN: S20 E CAMPUS DR & US1 LRT30AM

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MODEL RESULTS

REMARKS : In search of the angle corresponding to  
the maximum concentration, only the first  
angle, of the angles with same maximum  
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	*	(PPM)						
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	.0	.0	.0	.0	.0	.0	.0
5.	*	.0	.0	.0	.0	.0	.0	.0
10.	*	.0	.0	.1	.1	.1	.0	.1
15.	*	.1	.1	.2	.1	.1	.1	.1
20.	*	.2	.2	.2	.3	.2	.2	.2
25.	*	.2	.3	.3	.3	.2	.3	.3
30.	*	.3	.3	.3	.5	.4	.3	.4
35.	*	.3	.3	.4	.5	.4	.4	.4
40.	*	.3	.3	.5	.4	.4	.4	.4
45.	*	.3	.5	.5	.4	.4	.4	.4
50.	*	.2	.5	.4	.4	.4	.4	.4
55.	*	.2	.4	.4	.5	.4	.5	.4
60.	*	.3	.3	.5	.5	.4	.4	.4
65.	*	.4	.3	.5	.4	.4	.4	.4
70.	*	.4	.3	.5	.4	.4	.4	.3
75.	*	.4	.4	.5	.4	.4	.3	.3
80.	*	.4	.3	.5	.4	.4	.3	.3
85.	*	.4	.3	.5	.4	.3	.3	.3
90.	*	.4	.3	.4	.3	.3	.2	.3
95.	*	.4	.4	.4	.3	.3	.2	.3
100.	*	.4	.4	.4	.3	.3	.3	.3
105.	*	.4	.4	.4	.3	.3	.3	.3
110.	*	.4	.3	.3	.4	.3	.3	.3
115.	*	.4	.3	.4	.4	.3	.3	.3
120.	*	.4	.4	.3	.4	.3	.3	.3
125.	*	.4	.4	.3	.3	.3	.3	.3
130.	*	.4	.4	.3	.3	.3	.3	.3
135.	*	.4	.4	.3	.3	.3	.3	.3
140.	*	.4	.4	.3	.3	.3	.3	.3
145.	*	.4	.4	.4	.4	.4	.3	.3
150.	*	.4	.4	.4	.4	.4	.3	.3
155.	*	.4	.4	.4	.4	.4	.4	.3
160.	*	.3	.3	.4	.4	.4	.4	.4
165.	*	.3	.4	.4	.4	.4	.4	.4
170.	*	.4	.4	.4	.4	.4	.4	.4
175.	*	.4	.4	.4	.4	.5	.4	.5
180.	*	.4	.4	.4	.5	.4	.4	.4
185.	*	.3	.4	.4	.5	.5	.5	.4
190.	*	.4	.4	.5	.5	.5	.5	.2
195.	*	.4	.3	.5	.4	.4	.4	.2
200.	*	.2	.2	.3	.3	.3	.3	.2
205.	*	.1	.1	.3	.3	.2	.2	.1

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JOB: S20 E CAMPUS DR & US1 LRT30AM

RUN: S20 E CAMPUS DR & US1 LRT30AM

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	*	(PPM)						
(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
210.	*	.1	.1	.2	.2	.1	.1	.1
215.	*	.1	.1	.1	.2	.1	.1	.0
220.	*	.0	.0	.1	.1	.1	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0



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MAX \* .4 .5 .5 .5 .5 .5 .4 .5  
DEGR. \* 65 45 40 30 175 55 35 175

THE HIGHEST CONCENTRATION IS .50 PPM AT 320 DEGREES FROM REC2 .  
THE 2ND HIGHEST CONCENTRATION IS .50 PPM AT 250 DEGREES FROM REC11.  
THE 3RD HIGHEST CONCENTRATION IS .50 PPM AT 40 DEGREES FROM REC18.

S20 E CAMPUS DR & US1 LRT30PM				60.0321.0.0000.000280.30480000				1	1
SW COR		620.	772.	5.0					
SW 82W		683.	740.	5.0					
SW 164W		754.	704.	5.0					
SW 256W		825.	668.	5.0					
SW MIDW		974.	595.	5.0					
SW 82S		592.	716.	5.0					
SW 164S		550.	626.	5.0					
SW 256S		496.	518.	5.0					
SW MIDS		429.	328.	5.0					
NW COR		640.	813.	5.0					
NW 82W		703.	781.	5.0					
NW 164W		775.	747.	5.0					
NW 256W		847.	710.	5.0					
NW MIDW		977.	647.	5.0					
NW 82N		676.	885.	5.0					
NW 164N		740.	1020.	5.0					
NW 256N		844.	1194.	5.0					
EAST		730.	1250.	5.0					
EAST		639.	1064.	5.0					
EAST		597.	975.	5.0					
EAST		559.	903.	5.0					
EAST		515.	803.	5.0					
EAST		480.	709.	5.0					
EAST		457.	658.	5.0					
EAST		414.	570.	5.0					
EAST		363.	455.	5.0					
EAST		324.	379.	5.0					
EAST		308.	327.	5.0					
S20 E CAMPUS DR & US1 LRT30PM				16 1 0					
1									
0	WB	AG	1545.	323.	576.	819.	250 3.2	0. 44	24.
2									
0	WB	AG	634.	790.	828.	691.	0. 12.	2	
150		128	2.0	250	32.1	1677 1 3			
1									
0	NB	AG	244.	-126.	289.	71.	2693 3.2	0. 44	23.
1									
0	NB	AG	289.	71.	424.	452.	2693 3.2	0. 44	23.
1									
0	NB	AG	424.	452.	685.	993.	2693 3.2	0. 44	23.
2									
0	NB	AG	589.	795.	470.	547.	0. 24.	2	
150		32	2.0	2693	32.1	1756 1 3			
1									
0	NB	AG	685.	993.	835.	1249.	2685 3.2	0. 44	23.
1									
0	NB	AG	835.	1249.	1056.	1699.	2685 3.2	0. 44	23.
1									
0	SB	AG	987.	1729.	702.	1118.	1873 3.2	0. 56	23.
1									
0	SBL	AG	713.	1106.	567.	819.	113 3.2	0. 12	23.
2									
0	SBL	AG	585.	854.	652.	986.	0. 12.	1	
150		134	2.0	113	32.1	1770 1 3			
1									
0	SBT	AG	695.	1120.	554.	824.	1769 3.2	0. 24	23.
2									
0	SBT	AG	567.	855.	678.	1084.	0. 24.	2	
150		18	2.0	1769	32.1	1770 1 3			
1									
0	SB	AG	559.	820.	425.	532.	1886 3.2	0. 36	23.
1									
0	SB	AG	425.	532.	314.	261.	1886 3.2	0. 36	23.
1									
0	SB	AG	314.	261.	203.	-106.	1886 3.2	0. 36	23.
1.0	04	1000	0Y	5	0	72			

JOB: S20 E CAMPUS DR & US1 LRT30PM  
DATE: 12/10/2007 TIME: 15:20:02.86

RUN: S20 E CAMPUS DR & US1 LRT30PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)		(G/MI)	(FT)	(FT)	(VEH)
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	250.	3.2	.0	44.0	
2. 0	WB	634.0	790.0	712.3	750.0	*	88.	117. AG	147.	100.0	.0	12.0	.62 4.5
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	2693.	3.2	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	2693.	3.2	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	2693.	3.2	.0	44.0	
6. 0	NB	589.0	795.0	358.2	314.0	*	533.	206. AG	37.	100.0	.0	24.0	1.01 27.1
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	2685.	3.2	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	2685.	3.2	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	1873.	3.2	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	113.	3.2	.0	12.0	
11. 0	SBL	585.0	854.0	628.4	939.5	*	96.	27. AG	77.	100.0	.0	12.0	.80 4.9
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	1769.	3.2	.0	24.0	
13. 0	SBT	567.0	855.0	605.0	933.3	*	87.	26. AG	21.	100.0	.0	24.0	.59 4.4
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	1886.	3.2	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	1886.	3.2	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	1886.	3.2	.0	36.0	

JOB: S20 E CAMPUS DR & US1 LRT30PM  
DATE: 12/10/2007 TIME: 15:20:02.86

RUN: S20 E CAMPUS DR & US1 LRT30PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. 0	WB	150	128	2.0	250	1677	32.10	1	3
6. 0	NB	150	32	2.0	2693	1756	32.10	1	3
11. 0	SBL	150	134	2.0	113	1770	32.10	1	3
13. 0	SBT	150	18	2.0	1769	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
	*	X	Y	Z	*
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*
28. EAST	*	308.0	327.0	5.0	*

JOB: S20 E CAMPUS DR & US1 LRT30PM

RUN: S20 E CAMPUS DR & US1 LRT30PM

#### MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	.5	.4	.1	.0	.0	.4	.5	.5	.4	.4	.2	.1	.0	.0	.4	.4	.4	.0	.0	.0
5.	*	.4	.5	.0	.0	.0	.4	.5	.5	.4	.4	.1	.0	.0	.0	.4	.4	.4	.1	.0	.0
10.	*	.5	.4	.0	.0	.0	.4	.4	.5	.5	.4	.2	.0	.0	.0	.3	.4	.5	.1	.0	.0
15.	*	.3	.4	.0	.0	.0	.3	.4	.5	.4	.4	.1	.0	.0	.0	.3	.5	.5	.1	.1	.0
20.	*	.4	.3	.0	.0	.0	.3	.2	.4	.1	.3	.1	.0	.0	.0	.3	.5	.3	.2	.1	.2
25.	*	.3	.3	.0	.0	.0	.4	.2	.3	.1	.2	.0	.0	.0	.0	.4	.4	.2	.2	.1	.2
30.	*	.3	.3	.0	.0	.0	.2	.1	.1	.1	.2	.0	.0	.0	.0	.1	.3	.2	.4	.3	.4
35.	*	.2	.3	.0	.0	.0	.2	.2	.1	.1	.1	.0	.0	.0	.0	.1	.2	.1	.4	.4	.4
40.	*	.2	.3	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.4	.5
45.	*	.2	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
50.	*	.2	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
55.	*	.3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
60.	*	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.3
65.	*	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.3
70.	*	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4
75.	*	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4
80.	*	.4	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4
85.	*	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
90.	*	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
95.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
100.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
105.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
110.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
115.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
120.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.2	.4
125.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.4
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3	.5
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	.4	.5
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	.4	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	.4	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.1	.0	.0	.3	.3	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.1	.0	.0	.3	.3	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.1	.0	.0	.3	.4	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.1	.0	.0	.3	.4	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0	.1	.0	.0	.3	.4	.5
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0	.1	.0	.0	.4	.4	.5
190.	*	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	.3	.0	.0	.0	.1	.0	.0	.5	.4	.6
195.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.3	.3	.0	.0	.0	.2	.1	.0	.5	.4	.3
200.	*	.1	.0	.0	.0	.0	.1	.2	.1	.1	.2	.3	.0	.0	.0	.2	.1	.2	.4	.2	.3
205.	*	.3	.0	.0	.0	.0	.3	.2	.3	.2	.4	.3	.0	.0	.0	.3	.2	.2	.3	.2	.3

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JOB: S20 E CAMPUS DR & US1 LRT30PM

RUN: S20 E CAMPUS DR & US1 LRT30PM

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WIND \* CONCENTRATION

ANGLE \* (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.3	.0	.0	.0	.0	.4	.5	.5	.3	.4	.3	.0	.0	.0	.3	.2	.2	.3	.2	.3
215.	*	.4	.1	.0	.0	.0	.4	.5	.5	.3	.5	.4	.0	.0	.0	.5	.2	.3	.1	.1	.0
220.	*	.5	.1	.0	.0	.0	.5	.5	.4	.3	.5	.4	.0	.0	.0	.5	.3	.3	.1	.0	.0
225.	*	.5	.1	.0	.0	.0	.5	.5	.5	.3	.5	.4	.0	.0	.0	.4	.4	.5	.0	.0	.0
230.	*	.5	.1	.0	.0	.0	.5	.6	.5	.3	.5	.4	.1	.0	.0	.4	.4	.4	.0	.0	.0
235.	*	.5	.1	.1	.0	.0	.5	.5	.5	.3	.5	.5	.1	.0	.0	.4	.4	.3	.0	.0	.0
240.	*	.5	.2	.1	.0	.0	.5	.5	.5	.3	.5	.5	.1	.0	.0	.4	.4	.4	.0	.0	.0
245.	*	.5	.2	.1	.0	.0	.5	.5	.4	.3	.5	.5	.1	.0	.0	.3	.4	.4	.0	.0	.0
250.	*	.5	.2	.1	.0	.0	.5	.5	.4	.3	.4	.5	.1	.1	.0	.4	.4	.4	.0	.0	.0
255.	*	.5	.2	.1	.1	.0	.5	.5	.4	.3	.4	.5	.2	.1	.0	.4	.4	.4	.0	.0	.0
260.	*	.4	.2	.1	.1	.0	.4	.4	.4	.3	.3	.5	.2	.1	.0	.4	.3	.4	.0	.0	.0
265.	*	.4	.2	.1	.1	.0	.4	.4	.4	.3	.3	.5	.2	.1	.0	.4	.3	.3	.0	.0	.0
270.	*	.4	.2	.1	.1	.0	.4	.4	.4	.3	.3	.5	.2	.1	.0	.4	.3	.3	.0	.0	.0
275.	*	.4	.2	.1	.1	.0	.4	.4	.4	.4	.2	.3	.2	.1	.0	.4	.3	.3	.0	.0	.0
280.	*	.4	.2	.1	.1	.0	.4	.4	.4	.4	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
285.	*	.4	.2	.2	.1	.0	.4	.4	.4	.4	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
290.	*	.4	.1	.2	.1	.0	.4	.4	.4	.4	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
295.	*	.4	.2	.2	.2	.0	.4	.4	.4	.4	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
300.	*	.3	.2	.2	.2	.0	.4	.4	.4	.4	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
305.	*	.3	.2	.3	.2	.0	.4	.4	.4	.4	.3	.1	.2	.1	.0	.4	.3	.3	.0	.0	.0
310.	*	.2	.3	.3	.2	.0	.4	.4	.4	.4	.3	.1	.1	.1	.0	.4	.3	.3	.0	.0	.0
315.	*	.2	.3	.3	.2	.0	.4	.4	.4	.4	.4	.1	.1	.1	.0	.4	.3	.3	.0	.0	.0
320.	*	.3	.4	.2	.1	.0	.4	.4	.4	.4	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
325.	*	.3	.4	.2	.1	.0	.4	.4	.4	.4	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
330.	*	.3	.4	.2	.0	.0	.4	.4	.4	.4	.4	.2	.1	.0	.0	.3	.2	.3	.0	.0	.0
335.	*	.3	.5	.2	.0	.0	.5	.4	.5	.4	.4	.2	.1	.0	.0	.3	.3	.4	.0	.0	.0
340.	*	.5	.5	.1	.0	.0	.5	.5	.5	.4	.5	.1	.0	.0	.0	.3	.4	.4	.0	.0	.0
345.	*	.5	.4	.0	.0	.0	.5	.5	.5	.4	.5	.1	.0	.0	.0	.3	.4	.4	.0	.0	.0
350.	*	.5	.4	.0	.0	.0	.5	.5	.5	.5	.5	.1	.1	.0	.0	.3	.4	.4	.0	.0	.0
355.	*	.5	.4	.0	.0	.0	.5	.5	.5	.5	.5	.2	.1	.0	.0	.4	.4	.4	.0	.0	.0
360.	*	.5	.4	.1	.0	.0	.4	.5	.5	.4	.4	.2	.1	.0	.0	.4	.4	.4	.0	.0	.0
MAX	*	.5	.5	.3	.2	.0	.5	.6	.5	.5	.5	.3	.2	.0	.5	.5	.5	.5	.5	.6	
DEGR.	*	0	5	305	295	0	220	230	0	10	215	235	280	280	0	215	15	10	190	35	190

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JOB: S20 E CAMPUS DR & US1 LRT30PM

RUN: S20 E CAMPUS DR & US1 LRT30PM

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MODEL RESULTS

WIND ANGLE RANGE: 0.-360.

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JOB: S20 E CAMPUS DR & US1 LRT30PM

RUN: S20 E CAMPUS DR & US1 LRT30PM

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WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION							
ANGLE	* (PPM)							
(DEGR)	* REC21	* REC22	* REC23	* REC24	* REC25	* REC26	* REC27	* REC28
210.	*	.1	.1	.1	.2	.1	.1	.0
215.	*	.0	.0	.1	.1	.1	.0	.0
220.	*	.0	.0	.0	.0	.0	.0	.0
225.	*	.0	.0	.0	.0	.0	.0	.0
230.	*	.0	.0	.0	.0	.0	.0	.0
235.	*	.0	.0	.0	.0	.0	.0	.0
240.	*	.0	.0	.0	.0	.0	.0	.0
245.	*	.0	.0	.0	.0	.0	.0	.0
250.	*	.0	.0	.0	.0	.0	.0	.0
255.	*	.0	.0	.0	.0	.0	.0	.0
260.	*	.0	.0	.0	.0	.0	.0	.0
265.	*	.0	.0	.0	.0	.0	.0	.0
270.	*	.0	.0	.0	.0	.0	.0	.0
275.	*	.0	.0	.0	.0	.0	.0	.0
280.	*	.0	.0	.0	.0	.0	.0	.0
285.	*	.0	.0	.0	.0	.0	.0	.0
290.	*	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0

-----\*-----  
MAX \* .5 .5 .6 .6 .6 .6 .5 .5  
DEGR. \* 60 35 70 180 45 40 35 35

THE HIGHEST CONCENTRATION IS .60 PPM AT 230 DEGREES FROM REC7 .  
THE 2ND HIGHEST CONCENTRATION IS .60 PPM AT 190 DEGREES FROM REC20 .  
THE 3RD HIGHEST CONCENTRATION IS .60 PPM AT 70 DEGREES FROM REC23 .

S20 E CAMPUS DR & US1 BRT30AM										60.0321.0.0000.000280.30480000										1	1
SW COR			620.			772.		5.0													
SW 82W			683.			740.		5.0													
SW 164W			754.			704.		5.0													
SW 256W			825.			668.		5.0													
SW MIDW			974.			595.		5.0													
SW 82S			592.			716.		5.0													
SW 164S			550.			626.		5.0													
SW 256S			496.			518.		5.0													
SW MIDS			429.			328.		5.0													
NW COR			640.			813.		5.0													
NW 82W			703.			781.		5.0													
NW 164W			775.			747.		5.0													
NW 256W			847.			710.		5.0													
NW MIDW			977.			647.		5.0													
NW 82N			676.			885.		5.0													
NW 164N			740.			1020.		5.0													
NW 256N			844.			1194.		5.0													
EAST			730.			1250.		5.0													
EAST			639.			1064.		5.0													
EAST			597.			975.		5.0													
EAST			559.			903.		5.0													
EAST			515.			803.		5.0													
EAST			480.			709.		5.0													
EAST			457.			658.		5.0													
EAST			414.			570.		5.0													
EAST			363.			455.		5.0													
EAST			324.			379.		5.0													
EAST			308.			327.		5.0													
S20 E CAMPUS DR & US1 BRT30AM										31	1	0									
1																					
0		WB		AG	1545.	323.	576.	819.		148	3.1	0.	44	24.							
2																					
0		WB		AG	634.	790.	828.	691.		0.	12.	2									
	150		131		2.0	148	32.1	1677	1 3												
1																					
0		NB		AG	244.	-126.	289.	71.		1375	3.1	0.	44	23.							
1																					
0		NB		AG	289.	71.	424.	452.		1375	3.1	0.	44	23.							
1																					
0		NB		AG	424.	452.	685.	993.		1375	3.1	0.	44	23.							
2																					
0		NB		AG	589.	795.	470.	547.		0.	24.	2									
	150		35		2.0	1375	32.1	1757	1 3												
1																					
0		NB		AG	685.	993.	835.	1249.		1379	3.1	0.	44	23.							
1																					
0		NB		AG	835.	1249.	1056.	1699.		1379	3.1	0.	44	23.							

0  
1.0 04 BUS WB AG 233. 1395. -6. 1294. 34 0.7 0. 32 11.  
1000 0Y 5 0 72



JOB: S20 E CAMPUS DR & US1 BRT30AM  
DATE: 12/05/2007 TIME: 22:13:14.03

RUN: S20 E CAMPUS DR & US1 BRT30AM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	148.	3.1	.0	44.0	
2. 0	WB	634.0	790.0	681.2	765.9	*	53.	117. AG	150.	100.0	.0	12.0	.44 2.7
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	1375.	3.1	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	1375.	3.1	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	1375.	3.1	.0	44.0	
6. 0	NB	589.0	795.0	532.1	676.5	*	131.	206. AG	40.	100.0	.0	24.0	.53 6.7
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	1379.	3.1	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	1379.	3.1	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	2596.	3.1	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	116.	3.1	.0	12.0	
11. 0	SBL	585.0	854.0	622.0	927.0	*	82.	27. AG	74.	100.0	.0	12.0	.58 4.2
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	2480.	3.1	.0	24.0	
13. 0	SBT	567.0	855.0	611.4	946.5	*	102.	26. AG	17.	100.0	.0	24.0	.80 5.2
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	2552.	3.1	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	2552.	3.1	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	2552.	3.1	.0	36.0	
17. 0	BUS EB	2.0	1276.0	203.0	1365.0	*	220.	66. AG	34.	.7	.0	44.0	
18. 0	BUS EB	203.0	1368.0	406.0	1429.0	*	212.	73. AG	34.	.7	.0	44.0	
19. 0	BUS EB	406.0	1429.0	565.0	1469.0	*	164.	76. AG	34.	.7	.0	44.0	
20. 0	BUS EB	565.0	1469.0	796.0	1484.0	*	231.	86. AG	34.	.7	.0	44.0	
21. 0	BUS EB	796.0	1484.0	1018.0	1425.0	*	230.	105. AG	34.	.7	.0	44.0	
22. 0	BUS EB	1018.0	1425.0	1229.0	1292.0	*	249.	122. AG	34.	.7	.0	44.0	
23. 0	BUS EB	1229.0	1292.0	1337.0	1176.0	*	158.	137. AG	34.	.7	.0	44.0	
24. 0	BUS EB	1337.0	1176.0	1433.0	993.0	*	207.	152. AG	34.	.7	.0	44.0	
25. 0	BUS WB	1425.0	1088.0	1318.0	1270.0	*	211.	330. AG	34.	.7	.0	56.0	
26. 0	BUS WB	1318.0	1270.0	1145.0	1421.0	*	230.	311. AG	34.	.7	.0	56.0	
27. 0	BUS WB	1145.0	1421.0	932.0	1555.0	*	252.	302. AG	34.	.7	.0	56.0	
28. 0	BUS WB	932.0	1555.0	724.0	1555.0	*	208.	270. AG	34.	.7	.0	56.0	
29. 0	BUS WB	727.0	1553.0	572.0	1520.0	*	158.	258. AG	34.	.7	.0	32.0	
30. 0	BUS WB	572.0	1520.0	233.0	1395.0	*	361.	250. AG	34.	.7	.0	32.0	
31. 0	BUS WB	233.0	1395.0	-6.0	1294.0	*	259.	247. AG	34.	.7	.0	32.0	

JOB: S20 E CAMPUS DR & US1 BRT30AM  
DATE: 12/05/2007 TIME: 22:13:14.03

RUN: S20 E CAMPUS DR & US1 BRT30AM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	WB	150	131	2.0	148	1677	32.10	1	3
6. 0	NB	150	35	2.0	1375	1757	32.10	1	3
11. 0	SBL	150	129	2.0	116	1770	32.10	1	3
13. 0	SBT	150	15	2.0	2480	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*

1 28. EAST \* 308.0 327.0 5.0 \*

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JOB: S20 E CAMPUS DR & US1 BRT30AM

RUN: S20 E CAMPUS DR & US1 BRT30AM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.2	.1	.1	.0	.0	.3	.3	.4	.2	.1	.1	.0	.0	.3	.4	.3	.1	.0	.0
5.	*	.2	.2	.1	.0	.0	.2	.4	.3	.4	.2	.1	.1	.0	.0	.4	.3	.1	.0	.0
10.	*	.3	.2	.0	.0	.0	.2	.4	.3	.2	.3	.1	.1	.0	.0	.3	.4	.2	.1	.0
15.	*	.3	.2	.0	.0	.0	.3	.3	.2	.2	.3	.1	.0	.0	.0	.3	.2	.2	.1	.2
20.	*	.3	.0	.0	.0	.0	.3	.2	.2	.2	.2	.1	.0	.0	.0	.2	.2	.2	.1	.2
25.	*	.3	.0	.0	.0	.0	.3	.1	.1	.1	.2	.0	.0	.0	.0	.2	.2	.1	.3	.2
30.	*	.1	.0	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.1	.2	.1	.4	.3
35.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.4	.3
40.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.4
45.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.4
50.	*	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.4
55.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
60.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
65.	*	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.3
70.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
75.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.2
80.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.2
85.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
90.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
95.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
100.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.3
105.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
110.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
115.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
120.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.4	.3	.3
125.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.3	.3
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.3	.3	.3
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.3	.2	.3
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.2	.3
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.4	.2	.3
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.4	.2	.4
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.4	.3	.4
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.4	.3	.4
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.4	.3	.4
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	.0	.4	.4	.4
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.4	.4	.4
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.5	.4	.5
190.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.4	.3	.5
195.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	.0	.4	.4	.4
200.	*	.1	.0	.0	.0	.0	.1	.0	.1	.2	.2	.0	.0	.0	.0	.2	.1	.0	.3	.4
205.	*	.1	.0	.0	.0	.0	.1	.2	.1	.2	.2	.0	.0	.0	.0	.2	.1	.0	.3	.2

1

JOB: S20 E CAMPUS DR & US1 BRT30AM

RUN: S20 E CAMPUS DR & US1 BRT30AM

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WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
210.	*	.2	.0	.0	.0	.0	.2	.2	.3	.2	.3	.0	.0	.0	.0	.2	.1	.1	.2	.1
215.	*	.2	.0	.0	.0	.0	.3	.2	.3	.2	.3	.1	.0	.0	.0	.2	.2	.2	.1	.1
220.	*	.3	.0	.0	.0	.0	.3	.2	.3	.2	.3	.1	.0	.0	.0	.2	.3	.2	.1	.0
225.	*	.3	.0	.0	.0	.0	.2	.3	.3	.2	.4	.1	.0	.0	.0	.2	.2	.2	.1	.0
230.	*	.3	.1	.0	.0	.0	.2	.3	.3	.2	.3	.3	.0	.0	.0	.2	.3	.2	.0	.0
235.	*	.3	.2	.0	.0	.0	.3	.3	.2	.3	.3	.4	.0	.0	.0	.2	.3	.3	.0	.0
240.	*	.3	.2	.0	.0	.0	.3	.2	.2	.3	.3	.4	.0	.0	.0	.2	.3	.3	.0	.0
245.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.3	.4	.0	.0	.0	.3	.3	.2	.0	.0
250.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.2	.2	.2	.0	.0
255.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0
260.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0
265.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.1	.0	.0	.3	.2	.2	.0	.0
270.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.5	.2	.0	.0	.3	.2	.2	.0	.0
275.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.4	.1	.0	.0	.3	.2	.2	.0	.0
280.	*	.3	.2	.1	.0	.0	.3	.2	.3	.2	.2	.3	.1	.0	.0	.3	.2	.2	.0	.0
285.	*	.3	.2	.1	.0	.0	.3	.2	.3	.2	.2	.3	.1	.0	.0	.3	.2	.2	.0	.0
290.	*	.3	.2	.0	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0
295.	*	.3	.3	.1	.0	.0	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3	.2	.2	.0	.0
300.	*	.3	.2	.1	.0	.0	.3	.2	.2	.2	.2	.3	.0	.0	.0	.3	.2	.2	.0	.0
305.	*	.2	.2	.1	.0	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.2	.2	.2	.0	.0
310.	*	.3	.3	.1	.0	.0	.3	.2	.2	.2	.2	.2	.0	.0	.0	.2	.2	.2	.0	.0
315.	*	.2	.4	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
320.	*	.2	.5	.1	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
325.	*	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
330.	*	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.2	.2	.0	.0
335.	*	.2	.5	.0	.0	.0	.3	.2	.2	.2	.3	.2	.0	.0	.0	.2	.3	.2	.0	.0



290.	*	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0

-----*									
MAX	*	.4	.5	.5	.5	.5	.5	.4	.5
DEGR.	*	65	45	40	30	175	55	35	175

THE HIGHEST CONCENTRATION IS .50 PPM AT 320 DEGREES FROM REC2 .  
 THE 2ND HIGHEST CONCENTRATION IS .50 PPM AT 250 DEGREES FROM REC11.  
 THE 3RD HIGHEST CONCENTRATION IS .50 PPM AT 40 DEGREES FROM REC18.

S20 E CAMPUS DR & US1 BRT30PM										60.0321.0.0000.000280.30480000										1	1
SW COR			620.		772.		5.0														
SW 82W			683.		740.		5.0														
SW 164W			754.		704.		5.0														
SW 256W			825.		668.		5.0														
SW MIDW			974.		595.		5.0														
SW 82S			592.		716.		5.0														
SW 164S			550.		626.		5.0														
SW 256S			496.		518.		5.0														
SW MIDS			429.		328.		5.0														
NW COR			640.		813.		5.0														
NW 82W			703.		781.		5.0														
NW 164W			775.		747.		5.0														
NW 256W			847.		710.		5.0														
NW MIDW			977.		647.		5.0														
NW 82N			676.		885.		5.0														
NW 164N			740.		1020.		5.0														
NW 256N			844.		1194.		5.0														
EAST			730.		1250.		5.0														
EAST			639.		1064.		5.0														
EAST			597.		975.		5.0														
EAST			559.		903.		5.0														
EAST			515.		803.		5.0														
EAST			480.		709.		5.0														
EAST			457.		658.		5.0														
EAST			414.		570.		5.0														
EAST			363.		455.		5.0														
EAST			324.		379.		5.0														
EAST			308.		327.		5.0														
S20 E CAMPUS DR & US1 BRT30PM										31	1	0									
1																					
0		WB	AG	1545.	323.	576.	819.		250	3.2	0.	44	24.								
2																					
0		WB	AG	634.	790.	828.	691.		0.	12.	2										
	150		128	2.0	250	32.1	1677	1 3													
1																					
0		NB	AG	244.	-126.	289.	71.		2693	3.2	0.	44	23.								
1																					
0		NB	AG	289.	71.	424.	452.		2693	3.2	0.	44	23.								
1																					
0		NB	AG	424.	452.	685.	993.		2693	3.2	0.	44	23.								



JOB: S20 E CAMPUS DR & US1 BRT30PM  
DATE: 12/05/2007 TIME: 22:15:52.82

RUN: S20 E CAMPUS DR & US1 BRT30PM

#### SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 321. CM  
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

#### LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
		X1	Y1	X2	Y2								
1. 0	WB	1545.0	323.0	576.0	819.0	*	1089.	297. AG	250.	3.2	.0	44.0	
2. 0	WB	634.0	790.0	712.3	750.0	*	88.	117. AG	147.	100.0	.0	12.0	.62 4.5
3. 0	NB	244.0	-126.0	289.0	71.0	*	202.	13. AG	2693.	3.2	.0	44.0	
4. 0	NB	289.0	71.0	424.0	452.0	*	404.	20. AG	2693.	3.2	.0	44.0	
5. 0	NB	424.0	452.0	685.0	993.0	*	601.	26. AG	2693.	3.2	.0	44.0	
6. 0	NB	589.0	795.0	358.2	314.0	*	533.	206. AG	37.	100.0	.0	24.0	1.01 27.1
7. 0	NB	685.0	993.0	835.0	1249.0	*	297.	30. AG	2685.	3.2	.0	44.0	
8. 0	NB	835.0	1249.0	1056.0	1699.0	*	501.	26. AG	2685.	3.2	.0	44.0	
9. 0	SB	987.0	1729.0	702.0	1118.0	*	674.	205. AG	1873.	3.2	.0	56.0	
10. 0	SBL	713.0	1106.0	567.0	819.0	*	322.	207. AG	113.	3.2	.0	12.0	
11. 0	SBL	585.0	854.0	628.4	939.5	*	96.	27. AG	77.	100.0	.0	12.0	.80 4.9
12. 0	SBT	695.0	1120.0	554.0	824.0	*	328.	205. AG	1769.	3.2	.0	24.0	
13. 0	SBT	567.0	855.0	605.0	933.3	*	87.	26. AG	21.	100.0	.0	24.0	.59 4.4
14. 0	SB	559.0	820.0	425.0	532.0	*	318.	205. AG	1886.	3.2	.0	36.0	
15. 0	SB	425.0	532.0	314.0	261.0	*	293.	202. AG	1886.	3.2	.0	36.0	
16. 0	SB	314.0	261.0	203.0	-106.0	*	383.	197. AG	1886.	3.2	.0	36.0	
17. 0	BUS EB	2.0	1276.0	203.0	1365.0	*	220.	66. AG	34.	.7	.0	44.0	
18. 0	BUS EB	203.0	1368.0	406.0	1429.0	*	212.	73. AG	34.	.7	.0	44.0	
19. 0	BUS EB	406.0	1429.0	565.0	1469.0	*	164.	76. AG	34.	.7	.0	44.0	
20. 0	BUS EB	565.0	1469.0	796.0	1484.0	*	231.	86. AG	34.	.7	.0	44.0	
21. 0	BUS EB	796.0	1484.0	1018.0	1425.0	*	230.	105. AG	34.	.7	.0	44.0	
22. 0	BUS EB	1018.0	1425.0	1229.0	1292.0	*	249.	122. AG	34.	.7	.0	44.0	
23. 0	BUS EB	1229.0	1292.0	1337.0	1176.0	*	158.	137. AG	34.	.7	.0	44.0	
24. 0	BUS EB	1337.0	1176.0	1433.0	993.0	*	207.	152. AG	34.	.7	.0	44.0	
25. 0	BUS WB	1425.0	1088.0	1318.0	1270.0	*	211.	330. AG	34.	.7	.0	56.0	
26. 0	BUS WB	1318.0	1270.0	1145.0	1421.0	*	230.	311. AG	34.	.7	.0	56.0	
27. 0	BUS WB	1145.0	1421.0	932.0	1555.0	*	252.	302. AG	34.	.7	.0	56.0	
28. 0	BUS WB	932.0	1555.0	724.0	1555.0	*	208.	270. AG	34.	.7	.0	56.0	
29. 0	BUS WB	727.0	1553.0	572.0	1520.0	*	158.	258. AG	34.	.7	.0	32.0	
30. 0	BUS WB	572.0	1520.0	233.0	1395.0	*	361.	250. AG	34.	.7	.0	32.0	
31. 0	BUS WB	233.0	1395.0	-6.0	1294.0	*	259.	247. AG	34.	.7	.0	32.0	

JOB: S20 E CAMPUS DR & US1 BRT30PM  
DATE: 12/05/2007 TIME: 22:15:52.82

RUN: S20 E CAMPUS DR & US1 BRT30PM

#### ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. 0	WB	150	128	2.0	250	1677	32.10	1	3
6. 0	NB	150	32	2.0	2693	1756	32.10	1	3
11. 0	SBL	150	134	2.0	113	1770	32.10	1	3
13. 0	SBT	150	18	2.0	1769	1770	32.10	1	3

#### RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)			*
		X	Y	Z	
1. SW COR	*	620.0	772.0	5.0	*
2. SW 82W	*	683.0	740.0	5.0	*
3. SW 164W	*	754.0	704.0	5.0	*
4. SW 256W	*	825.0	668.0	5.0	*
5. SW MIDW	*	974.0	595.0	5.0	*
6. SW 82S	*	592.0	716.0	5.0	*
7. SW 164S	*	550.0	626.0	5.0	*
8. SW 256S	*	496.0	518.0	5.0	*
9. SW MIDS	*	429.0	328.0	5.0	*
10. NW COR	*	640.0	813.0	5.0	*
11. NW 82W	*	703.0	781.0	5.0	*
12. NW 164W	*	775.0	747.0	5.0	*
13. NW 256W	*	847.0	710.0	5.0	*
14. NW MIDW	*	977.0	647.0	5.0	*
15. NW 82N	*	676.0	885.0	5.0	*
16. NW 164N	*	740.0	1020.0	5.0	*
17. NW 256N	*	844.0	1194.0	5.0	*
18. EAST	*	730.0	1250.0	5.0	*
19. EAST	*	639.0	1064.0	5.0	*
20. EAST	*	597.0	975.0	5.0	*
21. EAST	*	559.0	903.0	5.0	*
22. EAST	*	515.0	803.0	5.0	*
23. EAST	*	480.0	709.0	5.0	*
24. EAST	*	457.0	658.0	5.0	*
25. EAST	*	414.0	570.0	5.0	*
26. EAST	*	363.0	455.0	5.0	*
27. EAST	*	324.0	379.0	5.0	*

1 28. EAST \* 308.0 327.0 5.0 \*

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JOB: S20 E CAMPUS DR & US1 BRT30PM

RUN: S20 E CAMPUS DR & US1 BRT30PM

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	.5	.4	.1	.0	.0	.4	.5	.4	.4	.2	.1	.0	.0	.4	.4	.4	.0	.0	.0
5.	*	.4	.5	.0	.0	.0	.4	.5	.4	.4	.1	.0	.0	.0	.4	.4	.4	.1	.0	.0
10.	*	.5	.4	.0	.0	.0	.4	.4	.5	.5	.4	.2	.0	.0	.3	.4	.5	.1	.0	.0
15.	*	.3	.4	.0	.0	.0	.3	.4	.5	.4	.4	.1	.0	.0	.3	.5	.5	.1	.1	.0
20.	*	.4	.3	.0	.0	.0	.3	.2	.4	.1	.3	.1	.0	.0	.3	.5	.3	.2	.1	.2
25.	*	.3	.3	.0	.0	.0	.4	.2	.3	.1	.2	.0	.0	.0	.4	.4	.2	.2	.1	.2
30.	*	.3	.3	.0	.0	.0	.2	.1	.1	.1	.2	.0	.0	.0	.1	.3	.2	.4	.3	.4
35.	*	.2	.3	.0	.0	.0	.2	.2	.1	.1	.1	.0	.0	.0	.1	.2	.1	.4	.4	.4
40.	*	.2	.3	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.4	.4	.5
45.	*	.2	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
50.	*	.2	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.4
55.	*	.3	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
60.	*	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.3
65.	*	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.3
70.	*	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4
75.	*	.3	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4
80.	*	.4	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.4
85.	*	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.4
90.	*	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.3	.3
95.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
100.	*	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
105.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.3
110.	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.2	.3
115.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.2	.3
120.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.2	.4
125.	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.3	.3	.4
130.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.3	.3	.4
135.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3	.4
140.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3	.5
145.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.3	.4	.5
150.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.3	.4	.5
155.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.3	.4	.5
160.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.1	.0	.0	.3	.3	.5
165.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.1	.0	.0	.3	.3	.5
170.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.1	.0	.0	.3	.4	.5
175.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.1	.0	.0	.3	.4	.5
180.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0	.1	.0	.3	.4	.5
185.	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0	.1	.0	.4	.4	.5
190.	*	.0	.0	.0	.0	.0	.0	.1	.0	.2	.3	.0	.0	.0	.1	.0	.0	.5	.4	.6
195.	*	.1	.0	.0	.0	.0	.1	.1	.1	.1	.3	.3	.0	.0	.2	.1	.0	.5	.4	.3
200.	*	.1	.0	.0	.0	.0	.1	.2	.1	.1	.2	.3	.0	.0	.2	.1	.2	.4	.2	.3
205.	*	.3	.0	.0	.0	.0	.3	.2	.3	.2	.4	.3	.0	.0	.3	.2	.2	.3	.2	.3

1

JOB: S20 E CAMPUS DR & US1 BRT30PM

RUN: S20 E CAMPUS DR & US1 BRT30PM

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WIND \* CONCENTRATION

ANGLE * (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
210.	*	.3	.0	.0	.0	.0	.4	.5	.5	.3	.4	.3	.0	.0	.0	.3	.2	.2	.3	.2	.3
215.	*	.4	.1	.0	.0	.0	.4	.5	.5	.3	.5	.4	.0	.0	.0	.5	.2	.3	.1	.1	.0
220.	*	.5	.1	.0	.0	.0	.5	.5	.4	.3	.5	.4	.0	.0	.0	.5	.3	.3	.1	.0	.0
225.	*	.5	.1	.0	.0	.0	.5	.5	.5	.3	.5	.4	.0	.0	.0	.4	.4	.5	.0	.0	.0
230.	*	.5	.1	.0	.0	.0	.5	.6	.5	.3	.5	.4	.1	.0	.0	.4	.4	.4	.0	.0	.0
235.	*	.5	.1	.1	.0	.0	.5	.5	.5	.3	.5	.5	.1	.0	.0	.4	.4	.3	.0	.0	.0
240.	*	.5	.2	.1	.0	.0	.5	.5	.5	.3	.5	.5	.1	.0	.0	.4	.4	.4	.0	.0	.0
245.	*	.5	.2	.1	.0	.0	.5	.5	.4	.3	.5	.5	.1	.0	.0	.3	.4	.4	.0	.0	.0
250.	*	.5	.2	.1	.0	.0	.5	.5	.4	.3	.4	.5	.1	.1	.0	.4	.4	.4	.0	.0	.0
255.	*	.5	.2	.1	.1	.0	.5	.5	.4	.3	.4	.5	.2	.1	.0	.4	.4	.4	.0	.0	.0
260.	*	.4	.2	.1	.1	.0	.4	.4	.4	.3	.3	.5	.2	.1	.0	.4	.3	.4	.0	.0	.0
265.	*	.4	.2	.1	.1	.0	.4	.4	.4	.3	.3	.5	.2	.1	.0	.4	.3	.3	.0	.0	.0
270.	*	.4	.2	.1	.1	.0	.4	.4	.4	.3	.3	.5	.2	.1	.0	.4	.3	.3	.0	.0	.0
275.	*	.4	.2	.1	.1	.0	.4	.4	.4	.4	.2	.3	.2	.1	.0	.4	.3	.3	.0	.0	.0
280.	*	.4	.2	.1	.1	.0	.4	.4	.4	.4	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
285.	*	.4	.2	.2	.1	.0	.4	.4	.4	.4	.2	.3	.3	.2	.0	.4	.3	.3	.0	.0	.0
290.	*	.4	.1	.2	.1	.0	.4	.4	.4	.4	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
295.	*	.4	.2	.2	.2	.0	.4	.4	.4	.4	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
300.	*	.3	.2	.2	.2	.0	.4	.4	.4	.4	.3	.2	.2	.2	.0	.4	.3	.3	.0	.0	.0
305.	*	.3	.2	.3	.2	.0	.4	.4	.4	.4	.3	.1	.2	.1	.0	.4	.3	.3	.0	.0	.0
310.	*	.2	.3	.3	.2	.0	.4	.4	.4	.4	.3	.1	.1	.1	.0	.4	.3	.3	.0	.0	.0
315.	*	.2	.3	.3	.2	.0	.4	.4	.4	.4	.4	.1	.1	.1	.0	.4	.3	.3	.0	.0	.0
320.	*	.3	.4	.2	.1	.0	.4	.4	.4	.4	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
325.	*	.3	.4	.2	.1	.0	.4	.4	.4	.4	.4	.1	.1	.0	.0	.3	.3	.3	.0	.0	.0
330.	*	.3	.4	.2	.0	.0	.4	.4	.4	.4	.4	.2	.1	.0	.0	.3	.2	.3	.0	.0	.0
335.	*	.3	.5	.2	.0	.0	.5	.4	.5	.4	.4	.2	.1	.0	.0	.3	.3	.4	.0	.0	.0





290.	*	.0	.0	.0	.0	.0	.0	.0	.0
295.	*	.0	.0	.0	.0	.0	.0	.0	.0
300.	*	.0	.0	.0	.0	.0	.0	.0	.0
305.	*	.0	.0	.0	.0	.0	.0	.0	.0
310.	*	.0	.0	.0	.0	.0	.0	.0	.0
315.	*	.0	.0	.0	.0	.0	.0	.0	.0
320.	*	.0	.0	.0	.0	.0	.0	.0	.0
325.	*	.0	.0	.0	.0	.0	.0	.0	.0
330.	*	.0	.0	.0	.0	.0	.0	.0	.0
335.	*	.0	.0	.0	.0	.0	.0	.0	.0
340.	*	.0	.0	.0	.0	.0	.0	.0	.0
345.	*	.0	.0	.0	.0	.0	.0	.0	.0
350.	*	.0	.0	.0	.0	.0	.0	.0	.0
355.	*	.0	.0	.0	.0	.0	.0	.0	.0
360.	*	.0	.0	.0	.0	.0	.0	.0	.0

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MAX	*	.5	.5	.6	.6	.6	.6	.5	.5
DEGR.	*	60	35	70	180	45	40	35	35

THE HIGHEST CONCENTRATION IS .60 PPM AT 230 DEGREES FROM REC7 .  
 THE 2ND HIGHEST CONCENTRATION IS .60 PPM AT 190 DEGREES FROM REC20.  
 THE 3RD HIGHEST CONCENTRATION IS .60 PPM AT 70 DEGREES FROM REC23.